



DNS Log Message Reference

Level	Log message	Message description
ERROR	[DNS name]/NS '[DNS name]' (out of zone) is a CNAME '[DNS name]' (illegal)	Canonical name record is out of zone while checking the name server record.
ERROR	[DNS name]/NS '[DNS name]' (out of zone) has no addresses records (A or AAAA)	Address record or IPv6 address record is out of zone while checking the name server record.
INFO	getaddrinfo([DNS name]) failed: [error message]	Cannot to get an IP address of a domain name when checking the name server record.
ERROR	[DNS name]/NS '[DNS name]'extra GLUE A record ([IP address])	There is an extra GLUE A record when checking the name server record.
ERROR	[DNS name]/NS '[DNS name]' extra GLUE AAAA record ([IP address])	There is an extra GLUE AAAA record when checking the name server record.
ERROR	[DNS name]/NS '[DNS name]' missing GLUE [type] record ([IP address])	Glue records are required when you wish to set the name servers of a domain name to a hostname under the domain name itself. It is the IP address of a name server held at the domain name registry. Without the glue records, DNS requests never resolve to the correct IP address because the domain registry does not associate the IP with the correct records.
N/A	[DNS name]/MX '[DNS name]' (out of zone) is a CNAME '[DNS name]' (illegal)	Canonical name record is out of zone when checking the mail exchange (MX) record.
ERROR	[DNS name]/MX '[DNS name]' (out of zone) has no addresses records (A or AAAA)	named-checkzone cannot resolve address record (A) or IPv6 address record (AAAA – “Quad A”) for a mail exchanger record. The zone has no these address records thus “out of zone” message.
INFO	getaddrinfo([DNS name]) failed: [error message]	Getting an IP address of a domain name when checking the mail exchanger record (MX record) failed.
N/A	[DNS name]/SRV '[DNS name]'(out of zone) is a CNAME [DNS name] (illegal)	When checking the Service locator a canonical name record (CNAME record) is found to be out of zone.
ERROR	[DNS name]/SRV '[DNS name]' (out of zone) has no addresses records (A or AAAA)	When checking the Service locator an address record or IPv6 address record is found to be out of zone.
INFO	getaddrinfo(DNS name) failed:[error message]	Getting an IP address of a domain name when checking the Service record (SRV record) failed.



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ERROR	change directory to '[directory]' failed: [error message]	Cannot change directory that includes directives in the named configuration file.
ERROR	setting timeout: [error message]	Setting the specified timeout for a request on a TCP connection failed.
WARNING	error sending response: [warning message]	Sending response on TCP connection failed.
ERROR	Unable to determine view to log response.	Cannot determine a view to log a response.
INFO	[info message]	The content of a Message that is sent to a client.
INFO	Allow access since the client is from special source address [IP address] that matches view [view name]	Access is allowed to clients that belong to a match list of IP address(es) which are allowed to issue queries to the server and in conjunction with a view clause.
ERROR	UDP client handler shutting down due to fatal receive error: [error message]	UDP client handler is shutting down due to a fatal receive error.
ERROR	Error creating GSS-TSIG signer name: [error message]	The GSS-TSIG signer name cannot be created.
ERROR	request has invalid signature: TSIG [DNS name] ([DNS name]): [error message] ([TSIG code])	NS client reverse request sent through TCP or UDP connection has an invalid transaction signature(TSIG). TSIG has a creator.



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ERROR	request has invalid signature: TSIG [DNS name]: [error message] ([TSIG code])	The reverse request that NS client sends to the name server through TCP or UDP connection has an invalid Transaction SIGNature. The Secret Key Transaction Authentication for DNS (TSIG) protocol provides transaction level authentication for DNS. For more information, see RFC 3645, Generic Security Service Algorithm for Secret Key Transaction Authentication for DNS (GSS-TSIG).
ERROR	request has invalid signature: [error message] ([TSIG code])	The reverse request that NS client sends to the name server through TCP or UDP connection has an invalid signature.
WARNING	no more TCP clients: [warning message]	This message appears when the quota for simultaneous lookup requests that server will perform on behalf of its clients is exceeded.
ERROR	Error creating GSS-TSIG signer name: [error message]	GSS-TSIG signer name cannot be created because of the signature length mismatch. This message appears during NS access control list check.
ERROR	Error converting DHCP key to string: [error message]	An internal error. DHCP key cannot be converted to a string because it may contain an unknown character. This message appears during NS access control list check.
ERROR	Error converting signer to string: [error message]	An internal error. NS client signer cannot be converted to a string because it may contain an unknown character. This message appears during NS access control list check.
N/A	[opname] denied	An access control list validity check failure.
N/A	client [client name] [client signer] [dns name] [view name for client]: [message]	Client information: client name, signer, DNS name, view name for a client.
ERROR	unknown class [class]	An unknown class of DNS record found while getting a configured class.
ERROR	unknown type [type]	An unknown type of DNS record found while configuring named. An "RR of unknown type" is an RR whose RDATA format is not known to the DNS implementation at hand. For more information, see RFC2929, section 3.1.
ERROR	port [port] out of range	Invalid port found while getting the list of IP addresses.
ERROR	port [port] out of range	Invalid port found while getting the list of IP addresses and keys.
ERROR	primaries [primaries list] not found	Key primaries are not found while getting the list of IP addresses and keys.
ERROR	port [port] out of range	Invalid port found while getting a configured port.



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N/A	received control channel command [command]	The description of the command received by the Remote Name Daemon Control utility (rndc).
WARNING	unknown control channel command [command]	The Remote Name Daemon Control utility (rndc) received a command that is not present in the configuration file (rndc.conf).
N/A	stopping command channel on [socket]	Named stops listening on a TCP socket when it shuts down.
WARNING	error sending command response to [socket]: [error]	Sending command response from a command channel to rndc socket failed. The reason of failure is specified.
ERROR	invalid command from [socket]:[error]	Command channel received an invalid command from rndc. The reason of failure is specified.
WARNING	rejected command channel message from [socket]	Name server control tries to declare a command channel to be used by rndc. The message is rejected because its TCP address is not in a listener ACL.
WARNING	dropped command channel from [socket]: [warning]	Name server control tried to declare a command channel to be used by rndc and failed because listener cannot connect to a rndc socket.
WARNING	Couldn't find key [key] for use with command channel [socket]	Cannot find key in configured key list for a socket listener while registering keys.
WARNING	unsupported algorithm [algorithm] in key [key] for use with command channel [socket]	When named configures name server controls, it finds the key for a command channel but algorithm for this key is unsupported by a name server.
WARNING	secret for key [key] on command channel [socket]: [warning]	When named configures name server controls it finds the key for a command channel but cannot decode it.



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WARNING	couldn't register key [key]': out of memory	When named configures name server controls it finds a key for a command channel but this key cannot be registered due to a lack of available memory.
WARNING	unsupported algorithm [algorithm] in key [key] for use with command channel	When named configures name server controls it finds the key for a command channel but algorithm for this key is unsupported for use on this command channel.
WARNING	secret for key [key] on command channel: [socket]	When named configures name server controls it finds the key for a command channel but cannot decode it on this socket.
WARNING	couldn't register key [key]: out of memory	When named configures name server controls it finds a key for a command channel but this key cannot be registered due to a lack of available memory.
WARNING	couldn't install new keys for command channel [socket]: [warning]	Named cannot install a new key for command channel (ns control) when it tries to configure name server controls.
WARNING	couldn't install new keys for command channel [socket]: [warning]	Named cannot install a new key for command channel(rdns) when it tries to configure name server controls.
WARNING	couldn't install new acl for command channel [socket]: [warning]	Named cannot install a new ACL for command channel(ns control) when it tries to configure name server controls.
WARNING	couldn't install new acl for command channel [socket]: [warning]	Named cannot install a new ACL for command channel(rdns) when it tries to configure name server controls.
WARNING	couldn't update ownership/permission for command channel [socket]	named cannot update ownership/permission for a command channel when it tries No configure name server controls.
WARNING	couldn't install keys for command channel [socket]: [warning]	Named cannot install keys for a command channel when it tries to configure name server controls.
N/A	command channel listening on [socket]	Named successfully adds a command channel while configuring name server controls.
WARNING	couldn't add command channel [socket]: [warning]	Named tries to configure name server controls but cannot add the command channel.



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N/A	couldn't add command channel [socket]: [warning]	Named tries to configure name server controls but cannot add the command channel.
ERROR	ns_interface_create() failed: unknown number of worker threads on [interface]	UDP shadow sockets for IPv4/IPv6 cannot be created because the number of worker threads is unknown.
ERROR	ns_interface_create() failed: error creating shadow UDP socket on [interface]: [error]	Named created an interface manager. Although the number of worker threads are known, an attempt to create UDP shadow sockets for IPv4/IPv6 failed due to the failure of the infoblox_socket_create_shadowudp() function to create UDP shadow socket.
ERROR	ns_interface_create() failed: error binding shadow UDP socket on [interface]: [error]	Named created an interface manager. Although the number of worker threads are known, an attempt to create UDP shadow sockets for IPv4/IPv6 failed due to the failure to bind the local address to the raw socket created.
ERROR	ns_clientmgr_create() failed:[error]	Named cannot create an interface manager due to the specified reason of failure.
ERROR	could not listen on UDP socket: [error]	An interface manager cannot listen on one of UDP sockets due to the specified reason of failure.
ERROR	creating TCP socket: [error]	Named created an interface manager. The interface manager accepts TCP socket but TCP socket cannot be created for the interface manager due to the specified reason of failure.
ERROR	binding TCP socket: [error]	Named created an interface manager. The interface manager accepts a TCP socket but TCP socket cannot be assigned to an address due to the specified error.
ERROR	listening on TCP socket: [error]	Named created an interface manager. The interface manager accepts a TCP socket but listening on TCP socket is not possible due to the specified error.
INFO	no longer listening on [socket]	This message may appear in the following situations: - when interface manager shuts down, it detaches from all interfaces; - named goes through the interface list and deletes everything that does not have the current generation number while scanning the operating system list of network interfaces.
WARNING	omitting IPv4 interface [interface] from localnets ACL: [warning]	When named scans the operating system list of network interfaces, it omits IPv4 interface from localnets ACL due to the specified reason.



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INFO	listening on IPv6 interfaces, port [port]	Socket listener is open to listen for IPv6 queries.
ERROR	listening on all IPv6 interfaces failed	While named scans the operating systems list of network interfaces, an interface manager cannot find IPv6 interface for IP address.
INFO	[[[additionally]or[]]] listening on [[IPv4]or[IPv6]] interface [interface name], [socket]	Named is listening on IPv4 or IPv6 interface.
ERROR	creating [[IPv4]or[IPv6]] interface [interface name] failed; interface ignored	Named cannot create IPv4 or IPv6 interface when scanning the operating system list of network interfaces due to the error in the ns_interface_setup() function.
ERROR	ignoring [[IPv4]or[IPv6]] interface [interface name]: [error message]	Named ignores IPv4 or IPv6 interfaces while scanning the operating system list of network interfaces because localnets are not set.
WARNING	not listening on any interfaces	Named does not listen on any interface in lwresd-only mode when updating the listening interfaces.
ERROR	unknown logging category '[category name]' ignored	A message contains an unknown logging category and is ignored.
ERROR	logging channel '[chanel name]': [error message]	Named cannot assign a logging category and a logging channel when it sets up a logging channel according to the named.conf data.
ERROR	channel '[chanel name]': exactly one of file, syslog, null, and stderr must be present	Exactly one of the predefined channel name values such as file, syslog, null, or stderr must be present for the logging channel.
N/A	created client [client], manager [manager]	Initializing lwd client for a lightweight daemon client manager object.
N/A	destroying client [client], manager [manager]	Deleting lwd client for a lightweight daemon client manager object.
N/A	destroying manager [manager]	Destroying lightweight daemon client manager object.



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N/A	invalid packet header received	An error is found in a request header when parsing a client request.
N/A	opcode [operation code]	This log message displays the operational code for a client's packet.
N/A	unknown opcode [operation code]	An unknown operational code of a client's packet.
N/A	restarting client [client]...	Restarting lwd client.
N/A	event received: task [task], length [length], result [result] ([message])	The message received from an lwd client.
ERROR	could not start lwres client handler: [error message]	A lightweight resolver cannot be started.
N/A	got shutdown event, task [task], lwdclientmgr [manager]	Shutdown event carried out when closing an object.
N/A	destroying client [client], manager [manager]	Deleting lwd client for a lightweight daemon client manager object.
ERROR	could not start lwres client handler: [error message]	A lightweight resolver cannot be started.
N/A	task [task] for client [client] got send-done event	Executing lwd client task.
N/A	cleaning up client [client]	Cleaning up lwd client.
N/A	adding address [address], family [family], length [length]	Addresses are added to an lwres list.
N/A	generating gabn reply for client [client]	Generating gabn reply for lwd client.
N/A	find done for task [task], client [client]	Search for lwd client task is completed.
N/A	starting find for client [client]	Search for lwd client task is started.
N/A	found alias, restarting query	Alias found, query is restarted.
N/A	out of buffer space adding alias	Alias cannot be rendered due to insufficient buffer size.
N/A	find returned [result] ([message])	An lwd client task search result.
N/A	client [client] ipv4 satisfied by find [client find]	IPv4 client satisfied by a search result.
N/A	client [client] ipv6 satisfied by find [client find]	IPv6 client satisfied by a search result.
N/A	event will be sent	An event will be sent.



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N/A	no event will be sent	No event will be sent.
N/A	client [client] looking for addrtypes [client find]	Lwd client is looking for address types.
N/A	byaddr event result = [message]	DNS name search for a lwd client is completed.
N/A	found name [DNS name]	DNS name is found.
N/A	client [client] looking for addrtype [family]	An lwd client is looking for an address type.
N/A	lookup event result = [message]	DNS names search for a lwd client is completed.
N/A	found name [DNS name]	DNS name is found.
N/A	filled in [number] rdata[[s]or[]]	The number of records received from a DNS recordset.
N/A	filled in [number] signature[[s]or[]]	The number of signature records received from a DNS recordset.
ERROR	error constructing getrrsetbyname response	An lwd client cannot send a replay.
N/A	client [client] looking for type [record type]	An lwd client is looking for an address type.
ERROR	processing sortlist: [netmask] is not a valid netmask	The specified netmask found during the sortlist processing is invalid.
WARNING	couldn't find view [view name]	DNS view list cannot be found.
WARNING	couldn't create searchlist	The lightweight resolver daemon manager cannot create a searchlist.
WARNING	invalid name [DNS name] in searchlist	The lwresd manager finds an invalid name in a searchlist.
WARNING	couldn't update searchlist	The lightweight resolver daemon manager (lwresd) cannot update a searchlist.



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WARNING	failed to create lwres socket: [warning message]	The lightweight resolver daemon manager (lwresd) cannot create a socket listener.
WARNING	failed to add lwres socket: [socket]: [warning message]	The lightweight resolver daemon manager (lwresd) cannot add a socket listener.
ERROR	could not start lwres client handler: [error message]	The lightweight resolver daemon manager (lwresd) cannot start lwres client when it configures a listener.
WARNING	lwres failed to configure [socket]: [warning message]	The lightweight resolver daemon manager (lwresd) cannot create a listener.
WARNING	lwres: failed to start [socket]: [warning message]	The lightweight resolver daemon manager (lwresd) cannot start lwres clients.
N/A	lwres listening on [socket]	The lightweight resolver server is listening on a socket.
N/A	lwres no longer listening on [socket]	The lightweight resolver server stops listening on a socket.
ERROR	exiting (due to early fatal error)	Named is exiting due to early fatal error.
CRITICAL	[file]:[line]: [error]([condition]) failed[, back trace]or[]]	Assertion failure. The particular file, line number and condition that caused it are indicated.
CRITICAL	[number of trace][trace] in [file] (+[offset])	Cannot process the file. The backtrace symbol is available to investigate the error.



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CRITICAL	[number of trace][trace] in ??	Cannot process the file. The backtrace symbol is not available to investigate the error.
CRITICAL	exiting (due to assertion failure)	Named is exiting due to an assertion failure.
ERROR	[file]:[line]: fatal error:	Fatal error in a library. The source file and the line number are indicated.
ERROR	exiting (due to fatal error in library)	Named is exiting due to a fatal error in a library.
ERROR	[file]:[line]: unexpected error:	Unexpected error in library. The source file and line number are indicated.
INFO	found [number] CPU[[s]or[]], using [number] worker thread[[s]or[]]	Number of CPUs and worker threads found.
INFO	using [UDP] UDP listener[[s]or[]] per interface	The number of currently utilized UDP listeners per interface.
INFO	using up to [socket] sockets	The maximum number of sockets that can be used.
N/A	starting BIND [version][command line]	The start of named loading procedure with the version number indicated.
N/A	built with [configuration arguments]	Starting BIND. Build version and configuration arguments location is displayed.
N/A	-----	divider
N/A	BIND 9 is maintained by Internet Systems Consortium,	BIND copyright info line1



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N/A	Inc. (ISC), a non-profit 501(c)(3) public-benefit	BIND copyright info line 2
N/A	corporation. Support and training for BIND 9 are	BIND copyright info line 3
N/A	available at https://www.isc.org/support	BIND copyright info line 4
N/A	-----	divider
N/A	adjusted limit on open files from %" [number] to [number]	The limit of simultaneously opened files is adjusted (increased) for safety reason.
N/A	exiting	Named is exiting.
N/A	notify question section empty	The notify question section is empty, nothing to process.
N/A	notify question section contains multiple RRs	The question section of DNS query contains multiple Resource Records (RRs). There should be only one record.
N/A	notify question section contains multiple RRs	The question section of DNS query contains multiple Resource Records (RRs). There shall be only one record.
N/A	notify question section contains no SOA	The notify question section does not contain Authority Resource Record (SOA) for a zone. There shall be one SOA record.
INFO	received notify for zone [DNS name][TSIG]	NOTIFY for a zone is received.
N/A	received notify for zone [DNS name][TSIG]: not authoritative	NS client cannot examine the incoming DNS message to determine an appropriate zone. Possible causes: - Zone name from Question section of DNS message is not found in zone table; - Zone type from Question section of DNS message is not a primary, secondary or stub.
INFO	[message] denied	NS client cannot check zone ACL.



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INFO	[disabled]srpz [type] [policy] rewrite [DNS name] via [DNS name]	Due to the specified policy, DNS address is rewritten to a new address.
INFO	CEF:0 Infoblox NIOs [version] RPZ-[type] [policy] 4 app=DNS dst=[destination] src=[source] spt=[source port] view=[view name] qtype=[type] msg=[message]	RPZ (Request Policy Zone) message in CEF format.
INFO	[message]	RPZ (Request Policy Zone) message.
INFO	Suppressed [number] messages for view [client view] regarding RPZ zones that have not been loaded	Suppressed messages for a client view regarding RPZ zones that are not loaded.
ERROR	rpz [rpz type] rewrite [DNS name] via [DNS name] [rpz type] failed: [error message]	RPZ with the specified type cannot rewrite a DNS client query with an RPZ query.
INFO	[message] denied	NS client cannot check cache ACL.
WARNING	recursive-clients soft limit exceeded ([used]/[soft]/[max]), aborting oldest query	When the soft limit of recursive clients is exceeded, the oldest query is always dropped.



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WARNING	no more recursive clients ([used]/[soft]/[max]): [warning message]	The quota for recursive clients is exceeded.
WARNING	ns_client_replace() failed: [warning message]	Recursive client may be "mortal" or it is not a TCP client.
WARNING	RFC 1918 response from Internet for [DNS name]	If the IN-ADDR.ARPA name covered refers to an internal address space you are using, then you have failed to follow RFC 1918 usage rules and are leaking queries to the Internet. You should establish your own zones for these addresses to prevent querying the Internet's name servers for these addresses.
WARNING	expected a exact match NSEC3, got a covering record	Query result. Expecting a matching NSEC3, but received a covering record.
WARNING	expected covering NSEC3, got an exact match	Expecting a matching NSEC3, but received a covering record. The final NSEC3 record does not contain any data or wildcard.
ERROR	Error adding blacklist match result for [DNS name] to cache for view [view]: [error message]	Cannot add a blacklist match result for a NS client query to a cache for a view.
INFO	Intercept (blacklist rule): [DNS name] matched ruleset-pattern (redirect): [rs name] -- [pattern] ([net address])	Query is intercepted according to the blacklist rule: query name matched ruleset pattern and was redirected.



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INFO	Intercept (blacklist rule): [DNS name] matched ruleset-pattern (refusal): [rs name] – [pattern] ([net address])	Query is intercepted according to the blacklist rule: query name matched ruleset pattern and was refused.
INFO	Intercept (blacklist rule): [DNS name] matched ruleset-pattern (pass): [rs name] – [pattern] ([net address])	Query is intercepted according to the blacklist rule: query name matched ruleset pattern and was passed.
ERROR	Error adding NXDOMAIN match result for [DNS name] to cache for view [view]: [error message]	Cannot add NXDOMAIN match result for a query name to a cache for a view.
INFO	Intercept (NXDOMAIN rule): [DNS name] matched ruleset-pattern (redirect): [rs name] – [pattern] ([net address])	Query is intercepted according to the NXDOMAIN rule: query name matched ruleset pattern and was redirected.
INFO	Intercept (blacklist rule): [rs name] – [pattern] ([net address])	Query is intercepted according to the NXDOMAIN rule: query name matched ruleset pattern and was passed.
INFO	Intercept (NXDOMAIN rule): [DNS name] matched ruleset-pattern (modify): [rs name] – [pattern] ([net address])	Query is intercepted according to the NXDOMAIN rule: query name matched ruleset pattern and was modified.



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ERROR	Error adding whitelist entry for [DNS name] to cache for view [view]: [error message]	Cannot add whitelist entry for a NS client query to cache for a view.
INFO	rewriting query name [DNS name] to [DNS name], type [type]	Rewriting query name to the Infoblox query name.
ERROR	[function]: unexpected result code from dns_rbt_findnode([DNS name]): [error message]	Dns_rbt_findnode() function has been updated in a backward incompatible way, or there may be a serious internal bug.
INFO	Query rewrite skipped for non-IPv4 client	Query rewrite is skipped for a non-IPv4 client.
ERROR	Unable to obtain buffer for query name rewrite	Cannot obtain a buffer for a query name rewrite.
ERROR	Unable to get temporary name for query name rewrite	Cannot get a temporary name for a query name rewrite.
ERROR	Error constructing prepended label for query rewrite: [error message]	Cannot construct a prepended label for a query rewrite.
INFO	Error concatenating name for query rewrite: [error message]	Cannot concatenate a name for a query rewrite.



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ERROR	Unable to obtain buffer for original query name before rewrite"	Cannot obtain a buffer for original query name before a rewrite.
ERROR	Unable to get temporary name for query name rewrite	Cannot get temporary name for a query name rewrite.
ERROR	check-names failure [DNS name]/[type]/[class]	Host name does not comply with RFC 952 and RFC 1123 or name's owner cannot be verified.
ERROR	zone not loaded and not found in zone table: [error message]	Zone is not loaded and not found in a zone table.
ERROR	No NS records; zone may have been deleted	No NS records found. The zone may have been deleted, but this could also be due to some more serious problems.
INFO	Redirected NXDOMAIN query: [DNS name] ([net address])	NXDOMAIN query is redirected.
INFO	DNAME and query rewrite cannot coexist	DNAME and query rewrite cannot coexist.
WARNING	missing signature for [DNS name]	NS client query signature is missing.
ERROR	Error adding RPZ white list entry for [DNS name] to cache for view [view]: [error message]	Cannot add a RPZ whitelist entry for a NS client query to a cache for a view.



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ERROR	Error matching the requested domain name [DNS name] against the query log table: [error message]	Cannot match the requested domain name against the query log table.
N/A	query: [DNS name][class][type] [[+]-] [[S]or[]] [[E]or[]] [[T]or[]] [[D]or[]] [[C]or[]] ([net address])	The detailed information that describes an NS client query.
ERROR	query failed ([error message])[separator][DNS name][separator][class][separator][type] at [File]:[Line]	NS client query failed.
ERROR	failed to add [object] for [configuration name]: [error message]	Cannot add DNS fixed name to a red-black-tree database.
ERROR	managed key [key]: invalid initialization method [initialization method]	Invalid initialization method is used for a managed key.
WARNING	[[managed]or[trusted]] key [key name] has a weak exponent	Managed or trusted key has a weak exponent.
ERROR	ignoring [[managed]or[trusted]] key for [key name]: no crypto support	Ignoring managed or trusted key, no crypto support.
WARNING	skipping [[managed]or[trusted]] key for [key name]: [warning message]	Skipping managed or trusted key.
ERROR	configuring [[managed]or[trusted]] key for [key name]: [error message]	Configuring managed or trusted key.



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ERROR	negative trust anchor [object] was rejected due to conflict with other positive/negative anchor	Negative trust anchor was rejected due to a conflict with the other positive/negative anchor.
ERROR	couldn't create keytable	Keytable cannot be created.
WARNING	using built-in DLV key for view [view]	Using built-in DLV key for a view.
WARNING	using built-in root key for view [view]	Using built-in root key for a view.
INFO	using specific query-source port suppresses port randomization and can be insecure.	Using specific query-source port that suppresses port randomization and can be insecure.
ERROR	could not get query source dispatcher ([socket])	Named cannot get a dispatcher appropriate for the resolver of a given view. Named is not started.
ERROR	invalid algorithm	An invalid algorithm.
INFO	dns64 reverse zone[separator][view name]: [reverse]	The information about DNS64 reverse zone.
ERROR	invalid zone [zone name]	Invalid zone.
ERROR	invalid zone [zone name]	Invalid zone.
ERROR	invalid zone [zone name]	Invalid zone.
ERROR	unknown zone [zone name]	Unknown zone.
ERROR	zone [zone name] is neither primary nor secondary	Zone is neither primary nor secondary.
ERROR	duplicate [zone name]	Named found duplicated DNS name.
ERROR	invalid cname [cname]	Named found an invalid cname.



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ERROR	failed to create a filtering tree for query logging: [error message]	Named cannot create a filtering tree for a query logging.
ERROR	failed to create an exclusion tree for query logging: [error message]	Named cannot create an exclusion tree for a query logging.
INFO	failed to add [object] for infoblox-query-log-domain: [info message]	Cannot add a configuration object for the infoblox-query-log-domain while configuring a view.
INFO	failed to add [object] for infoblox-query-not-log-domain:[info message]	Cannot add a configuration object for the infoblox-query-log-domain while configuring a view.
ERROR	max-acache-size [value] is too large	The cache size is found to be too large while creating an additional cache for this view and zones under the view.
INFO	loading additional zones for view [view]	Named loads additional zones for a view.
ERROR	max-cache-size [value] is too large	The cache size for a view and zones under the view is found to be too large while obtaining configuration parameters.
ERROR	views [primaryview] and [view] can't share the cache due to configuration parameter mismatch	Two views cannot share the cache due to a configuration parameter mismatch.
ERROR	error configuring NXDOMAIN/blacklist cache for view [view]: [error message]	Named cannot configure NXDOMAIN/blacklist cache for a view.
WARNING	no root hints for view [view]	The 'non-IN' view with no "hints zone" is configured.



DNS Log Message Reference

Level	Log message	Message description
WARNING	additional-from-auth no' is only supported with 'recursion no'	The additional-from-auth controls the behavior when zones have additional (out-of-zone) data or when following CNAME or DNAME records. The cache is disabled. BIND will not follow out-of-zone records even if it is in the cache e.g. it will not follow the MX record specifying mail.example.net for zone example.com for which it is authoritative (primary or secondary). It will return REFUSED for the out-of-zone record. This option is only effective if recursion "no" is specified in a global options clause or in a view clause.
WARNING	additional-from-cache no' is only supported with 'recursion no'	The additional-from-cache controls the behavior when zones have additional (out-of-zone) data or when following CNAME or DNAME records. Cache disabled. BIND will NOT follow out-of-zone records even if it is in the cache e.g. it will NOT follow the MX record specifying mail.example.net for zone example.com for which it is authoritative (primary or secondary). It will return REFUSED for the out-of-zone record. This option is only effective if recursion "no" is specified in a global options clause or in a view clause.
INFO	automatic empty zone[separator][view name]: [zone name]	Automatic empty zone for a view.
ERROR	error configuring RPZ white list for view [view name]: [error message]	Named cannot configure RPZ whitelist for view.
INFO	configured RPZ white list for view [view name] (maxsize=[cache size], ttl=[cache ttl])	RPZ whitelist for a view is configured.
WARNING	Warning[separator][view name]: Unable to initialize top query client table: [warning message]	Named cannot initialize top query client table.
WARNING	Warning[separator][view name]: Unable to initialize lock for top query client table: [warning message]	Named cannot initialize a lock for the top query client table.



DNS Log Message Reference

Level	Log message	Message description
WARNING	Warning[separator][view name]: Unable to initialize top query name table: [warning message]	Named cannot initialize top query name table.
WARNING	Warning[separator][view name]: Unable to initialize lock for top query name table: [warning message]	Named cannot initialize lock for top query name table.
WARNING	Warning[separator][view name]: Unable to initialize top query RR type table: [warning message]	Named cannot initialize top query RR type table.
WARNING	Warning[separator][view name]: Unable to initialize lock for top query RR type table: [warning message]	Named cannot initialize lock for top query RR type table.
WARNING	Warning[separator][view name]: Unable to initialize top query per-zone client table: [warning message]	Named cannot initialize top query per-zone client table.
WARNING	Warning[separator][view name]: Unable to initialize top query per-FQDN client table: [warning message]	Named cannot initialize top query per-FQDN client table.



DNS Log Message Reference

Level	Log message	Message description
INFO	Non-empty 'infoblox-query-rewrite-prefix' must be specified	Non-empty 'infoblox-query-rewrite-prefix' must be specified.
ERROR	port [port] out of range	Port is out of range.
ERROR	port [port] out of range	Port is out of range.
ERROR	port [port] out of range	Port is out of range.
WARNING	no forwarders seen; disabling forwarding	Forwarding is disabled due to the absence of forwarders (no forwarders seen).
WARNING	could not set up forwarding for domain [DNS name]: [warning message]	Named cannot set up forwarding for a domain.
ERROR	zone [zone name]: wrong class for view [view name]	Zone class does not correspond to a view record class.
ERROR	zone [zone name] 'type' not specified	Zone type is not specified.
ERROR	zone [zone name]: 'file' not specified	File is not specified for a zone.
ERROR	could not configure root hints from [hints file]: [error message]	Named cannot configure root hints for a view from a hints file.
WARNING	ignoring non-root hint zone [zone name]	Named ignores non-root hint zone because DNS fixed name is equal to DNS root name.
ERROR	redirect zone already exists	A redirect zone already exists.
ERROR	zone [zone name] already exists	A zone already exists.
INFO	set up managed keys zone for view [view name], file [file name]	The managed keys zone for a view is set.
WARNING	option 'directory' contains relative path [directory]	The 'directory' option contains a relative path.



DNS Log Message Reference

Level	Log message	Message description
ERROR	change directory to [directory] failed: [error message]	Cannot change a directory.
WARNING	could not adjust the listen-on list; some interfaces may not work	The listen-on list cannot be adjusted because some interfaces may not work.
INFO	([type]) removed	The zone of the specified type is removed.
INFO	generating session key for dynamic DNS	Generation of a session key for dynamic DNS.
ERROR	could not create [file name]	Named cannot create a file.
ERROR	failed to generate session key for dynamic DNS: [error message]	Cannot generate session key for dynamic DNS.
ERROR	unsupported or unknown algorithm [algorithm][[s]or[]]	Unsupported or unknown algorithm.
INFO	loading configuration from [file name]	Named loads configuration from a file.
INFO	loading configuration from [file name]	Named loads configuration from a file.
INFO	reading built-in trusted keys from file [file name]	Named reads built-in trusted keys from a file.
WARNING	max open files ([number files] ISC_PRINT_QUADFORMAT "u) is smaller than max sockets ([max sockets])	The maximum number of open files is smaller than the maximum number of sockets.



DNS Log Message Reference

Level	Log message	Message description
WARNING	less than 128 UDP sockets available after applying 'reserved-sockets' and 'maxsockets'	The number of available UDP sockets after applying 'reserved-sockets' and 'maxsockets' parameters is less than 128.
INFO	Option infoblox-deny-rpz parsed. Nodes: [node count]	Configuration option 'infoblox-deny-rpz' for a view ACL is parsed.
INFO	using default UDP/IPv4 port range: [[udp port low], [udp port high]]	Named uses default UDP/IPv4 port range.
INFO	using default UDP/IPv6 port range: [[udp port low], [udp port high]]	Named uses default UDP/IPv6 port range.
INFO	sizing zone task pool based on [number zones] zones	Zone manager sets task pool size based on the previously counted number of zones.
INFO	no source of entropy found	No source of entropy found.
INFO	could not open entropy source [entropy source]: [info message]	An entropy source cannot be opened.
INFO	using pre-chroot entropy source entropy source	Named uses pre-chroot entropy source.
ERROR	the working directory is not writable	The working directory is not writable.



DNS Log Message Reference

Level	Log message	Message description
INFO	ignoring config file logging statement due to -g option	Config file logging statement is ignored due to -g option.
WARNING	waiting for network to come up took too long; reconfiguring network interfaces anyway	Waiting for a network to come up takes too long. Network interfaces are reconfigured.
WARNING	failed while spinning on network status file: [warning message]. Proceed anyway.	Named failed while spinning on network status file: Proceed anyway.
N/A	all zones loaded	All zones are loaded.
INFO	[number] zone[[s]or[]] from database	Count of all zones from a database.
INFO	[number] zone[[s]or[]] from zone files	Count of zones from zone files.
INFO	shutting down - zone load abandoned	Named shuts down - zone load abandoned.
ERROR	Error deallocating memory for zone validation cache	Named cannot deallocate memory for a zone validation cache.
INFO	zone load done, initiating shutdown	Zone load done, named initiates shutdown.
ERROR	error shutting down; aborting: [error message]	Named shuts down with indicated error.
N/A	running	Named is running.
N/A	shutdown request was received during initialization	Named receives shutdown request during initialization.



DNS Log Message Reference

Level	Log message	Message description
WARNING	unable to load cached view configuration: [warning message]	Named cannot load a cached view configuration.
ERROR	unable to cache view configuration: [error message]	Named cannot cache a view configuration.
INFO	shutting down[: flushing changes]or[] : flushing changes	Named shuts down with flushing changes (or not).
CRITICAL	[message]: [error message]	Detailed information about error when named is exiting (due to a fatal error).
ERROR	exiting (due to fatal error)	Named exits due to a fatal error.
CRITICAL	destroying ZRQ consumer	Named destroys ZRQ consumer.
WARNING	unable to create dispatch for reserved port [socket address]: [warning message]	Named cannot create dispatch for a reserved port.
INFO	reloading configuration succeeded	Configuration successfully reloaded.
ERROR	reloading configuration failed: [error message]	Named cannot reload configuration.
WARNING	zones not loaded, reload request ignored	Zones not loaded, reload request is ignored.
INFO	reloading zones succeeded	Zones reloading succeeded.



DNS Log Message Reference

Level	Log message	Message description
ERROR	reloading zones failed: [error message]	Zones reloading failed.
WARNING	zones not loaded, reconfig request ignored	Zones are not loaded; reconfig request is ignored.
INFO	any newly configured zones are now loaded	Any newly configured zones are now loaded.
ERROR	loading new zones failed: [error message]	Loading of new zones failed.
INFO	initiate shutting down for a fresh restart	Named initiates shutdown for a fresh restart.
INFO	received SIGHUP signal to reload zones	Named receives SIGHUP signal to reload zones.
INFO	query logging is now [[on]or[off]]	Query logging status.
INFO	Failed to insert item [net address] from infoblox-top-query-ip-block [name] into the ip-block tree	Named cannot insert item from infoblox-top-query-ip-block into the ip-block tree.
INFO	Unexpected item has occurred at position [position] in infoblox-top-query-ip-block [name]	Unexpected item has occurred at position # in the infoblox-top-query-ip-block function.
ERROR	port value [port] is out of range	Port value is out of range.
INFO	dumpstats complete	Statistics dump completed.



DNS Log Message Reference

Level	Log message	Message description
ERROR	dumpstats failed: [error message]	Statistics dump failed.
ERROR	dumpibstats failed: [error message]	Infoblox statistics dump failure.
INFO	dumpdb complete	Dumpdb completed.
ERROR	dumpdb failed: [error message]	Dumpdb failed.
INFO	dumpdb started[separator][arguments]	Dumpdb started.
INFO	dumpsecroots complete	Secroots dump completed.
ERROR	dumpsecroots failed: [error message]	Secroots dump failed.
INFO	dumprecursing complete	Dumprecursing is completed.
ERROR	dumprecursing failed: [error message]	Dumprecursing failed.
ERROR	flushing cache in view [view name] failed: [error message]	Named cannot flush cache in a view.
ERROR	fixing cache in view [view name] failed: [error message]	Named cannot fix cache in a view.



DNS Log Message Reference

Level	Log message	Message description
INFO	flushing cache in view [view name] succeeded	Flushing cache in view succeeded.
INFO	flushing caches in all views succeeded	Flushing caches in all views succeeded.
ERROR	flushing cache in view [view name] failed: view not found	Named cannot flush cache in a view.
ERROR	ushing [[tree]or[name]] '[target]' in cache view '[view name]' failed: [error message]	Named cannot flush in cache view.
INFO	flushing [[tree]or[name]] '[target]' in cache view '[view name]' succeeded	Flushing in cache view succeeded.
INFO	flushing [[tree]or[name]] '[target]' in all cache views succeeded, tree : name	Flushing in all cache views succeeded.
ERROR	"flushing [[tree]or[name]] '[target]' in cache view [view name] failed: view not found", tree : name	Named cannot flush in cache view: view not found.
INFO	dumping all zones[[removing journal files]or[]]: [info message]	Named dumps all zones.



DNS Log Message Reference

Level	Log message	Message description
INFO	sync: dumping zone '[zone name]/[class]'[separator][view name][[, removing journal file]or[]]:[info message]	Dumping zone updates to a disk. The journal file may be removed.
INFO	[[freezing]or[thawing]] all zones: [info message]	Result of freezing (thawing) all zones from a command channel.
INFO	[[freezing]or[thawing]] zone '[zonename]/[class]'[separator][view name]:[info message]	Detailed information about freezing (or thawing) of a zone.
INFO	addzone failed; reverting.	named tried to add zone and failed to load a zone from the primary file.
INFO	addzone failed; reverting.	Zone is added to a view via addzone.
WARNING	deleted zone [zone name] was missing from new zone file	Deleted zone is missing from new zone file.
INFO	zone [zone name] removed via delzone	Zone is removed via delzone.
N/A	topping statistics channel on [socket]	Named stops statistics channel on a socket address.
WARNING	rejected statistics connection from [socket]	Named rejected statistics connection from a socket address.
N/A	statistics channel listening on [socket]	Statistics channel listening on a socket address.
WARNING	couldn't install new acl for statistics channel [socket]: [warning message]	Cannot install new access list for a statistics channel.



DNS Log Message Reference

Level	Log message	Message description
WARNING	statistics-channels specified but not effective due to missing XML library	Statistics-channels are specified but not effective due to a missing XML library.
WARNING	couldn't allocate statistics channel [socket]: [warning message]	Cannot allocate a statistics channel.
ERROR	key '[key id]': has a unsupported algorithm [algorithm]	The key has an unsupported algorithm.
ERROR	configuring key '[key id]': [error message]	Configuring a key.
N/A	updating zone '[DNS name]/[class]': [message]	Named updates a zone.
N/A	[message]	Named sends message to a log file.
N/A	update '[DNS name]/[class]' denied due to allow-query	Update is denied due to allow-query.
INFO	update '[DNS name]/[class]' denied	Update is denied.
INFO	signer [DNS name] [info message]	Named overrides the default ACL logging when checking whether a client can update the zone or whether the request can be forwarded to the primary based on IP address. Signer of NS client is displayed.
N/A	[type of operation] '[DNS name]/[class]' [message]	Named overrides the default ACL logging when checking whether a client can update the zone or whether the request can be forwarded to the primary based on IP address. Detailed information about this action is provided.
INFO	Update rejected because TTL differs from existing unmodifiable entry: Use TTL [ttl]	Update is rejected because TTL differs from existing unmodifiable entry.



DNS Log Message Reference

Level	Log message	Message description
ERROR	could not create update response message: [error message]	Update response message cannot be created.
ERROR	[DNS name]/MX: [DNS name]: [error message]	The MX is an IP address. Should be a <domain-name> which specifies a host willing to act as a mail exchange for the owner name.
WARNING	[DNS name]/MX: warning: [DNS name]: [warning message]	The MX is an IP address. Should be a <domain-name> which specifies a host willing to act as a mail exchange for the owner name.
ERROR	[DNS name]/MX '[DNS name]' has no address records	The Zone/MX has no address records (A or AAAA).
ERROR	[DNS name]/MX '[DNS name]' is a CNAME (illegal)	The Zone/MX is a CNAME record that is invalid. Found while checking an MX record.
ERROR	[DNS name]/MX '[DNS name]' is below a DNAME '[DNS name]' (illegal)	the Zone/MX is below DNAME record that is ivalid. Found while checking an MX record.
ERROR	NSEC only DNSKEYs and NSEC3 chains not allowed	NSEC only, DNSKEYs and NSEC3 chains are not allowed. There is at least one DNSKEY with an algorithm that predates NSEC3, and therefore a zone cannot have a valid NSEC3 chain.
ERROR	too many NSEC3 iterations ([number iterations]) for weakest DNSKEY ([max number])"	Too many NSEC3 iterations for the weakest DNSKEY. The iterations parameter defines the number of additional times the hash function has been performed. A higher value results in greater resiliency against dictionary attacks, at a higher computational cost for both the server and resolver.
ERROR	DDNS update failed due to hos checking policy on '[DNS name]'	DDNS update failed due to a host checking policy.
WARNING	update RR has incorrect class [class]	Update RR has an incorrect class.
N/A	attempt to add [type] ignored	An attempt to add MF or MD is ignored.
N/A	attempt to add wildcard [type] record ignored	An attempt to add a wildcard record is ignored.
N/A	attempt to add CNAME alongside non-CNAME ignored	An attempt to add CNAME alongside with non-CNAME is ignored.



DNS Log Message Reference

Level	Log message	Message description
N/A	attempt to add non-CNAME alongside CNAME ignored	An attempt to add non-CNAME alongside with CNAME is ignored.
N/A	attempt to create 2nd SOA ignored	An attempt to create 2nd SOA is ignored.
N/A	SOA update failed to increment serial, ignoring it	SOA update failed to increment serial and was ignored.
N/A	attempt to add a private type ([type]) record rejected internal use only	An attempt to add a private type record is rejected, internal use only.
N/A	attempt to add NSEC3PARAM record with non OPTOUT flag	An attempt to add NSEC3PARAM record with non OPTOUT flag.
N/A	attempt to add NSEC3PARAM record ignored	An attempt to add NSEC3PARAM record is ignored.
WARNING	warning: ownername [DNS name] contains a non-terminal wildcard	The ownername contains the specified non-terminal wildcard.
N/A	adding an RR at '[DNS name]' [record data type]	Adding a resource record to the specified zone.
N/A	delete all rrsets from name '[DNS name]'	All resource recordsets are deleted from the specified zone.
N/A	attempt to delete an NSEC3PARAM record ignored	An attempt to delete an NSEC3PARAM record is ignored.
N/A	"attempt to delete all SOA or NS records ignored	An attempt to delete all SOA or NS records is ignored.
N/A	deleting rrset at '[DNS name]' [record data type]	Deleting resource record set from the specified zone.
N/A	attempt to delete SOA ignored	An attempt to delete SOA is ignored.



DNS Log Message Reference

Level	Log message	Message description
N/A	attempt to delete last NS ignored	An attempt to delete last NS is ignored.
N/A	deleting an RR at '[DNS name]' [record data type]	Deleting a resource record from the specified zone.
ERROR	error setting up deletion of TXT at '[DNS name]': [error message]	Cannot set up a deletion of a TXT record at the specified zone.
N/A	deleting rrset at '[DNS name]' TXT	A resource recordset at a zone TXT is deleted.
ERROR	error deleting TXT at '[DNS name]' : [error message]	Deleting recordset at a zone TXT failed for the specified reason.
N/A	update rejected: post update name server sanity check failed	Update is rejected. The post update name server sanity check failed.
N/A	update rejected: all DNSKEY records removed and dnssec-secure-to-insecure' not set	Update is rejected. All DNSKEY records are removed and 'dnssec-secure-to-insecure' is not set.
ERROR	RRSIG/NSEC/NSEC3 update failed: [error message]	RRSIG/NSEC/NSEC3 update failure.
WARNING	failed to open journal [journal name] due to insufficient file permissions; journal and IXFR will be disabled; try to restart DNS service to fix the issue	Cannot open journal due to insufficient file permissions. The journal and IXFR are disabled. To remedy the situation try to restart DNS service to fix the issue.
N/A	Resetting journal [journal name]	Named is resetting a journal.
ERROR	Error unlinking journal file [journal file] for reset: [error message]	Named cannot unlink journal file for a reset.
ERROR	dns_zone_signwithkey failed: [error message]	The dns_zone_signwithkey function failed.
ERROR	dns_zone_addnsec3chain failed: [error message]	The dns_zone_addnsec3chain function failed.



DNS Log Message Reference

Level	Log message	Message description
N/A	[message]	Resource record is not too large to print.
N/A	<RR too large to print>	Resource record is too large to print.
WARNING	[DNS record datatype] request denied: [warning message]	AXFR or IXFR request is denied.
ERROR	zone transfer '[DNS name]/[class]' denied	Zone transfer is denied.
WARNING	RR too large for zone transfer ([number] bytes)	Resource record is too large for a zone transfer.
WARNING	failed to register AXFR client for multiprimary consistency: [warning message]; may be unable to provide future IXFR	Named cannot register AXFR client for multiprimary consistency and may be unable to provide future IXFR.
INFO	[query type] ended	The AXFR or IXFR is ended.
ERROR	[xfr message]: [error message]	The AXFR or IXFR error.
N/A	transfer of '[DNS name]/[class]': [message]	The message containing a result of a zonename/rdclass transfer.
ERROR	'[DNS name]' is not a valid name	The textual representation of a DNS name at source cannot be converted into an uncompressed wire form stored in a target.
ERROR	error copying origin: [error message]	Named cannot copy a DNS name.
ERROR	'[DNS name]' is not a valid name	The textual representation of a DNS name at source cannot be converted into an uncompressed wire form stored in a target.
ERROR	'[record data type]' is not a valid type	DNS rdatatype is invalid.
ERROR	failed to enable auto DDNS policy for zone %s: session key not found	Named cannot enable auto DDNS policy for a zone because session key is not found.
ERROR	port is not configurable for static stub server-addresses	Port is not configurable for a static stub server-addresses.
ERROR	scoped address is not allowed for static stub server-addresses	The scoped address is not allowed for static stub server-addresses.



DNS Log Message Reference

Level	Log message	Message description
ERROR	server-name '[DNS name]' is not a valid name	The server-name is not a valid name.
ERROR	server-name '[server name]' must not be a subdomain of zone name '[zone name]'	The server-name must not be a subdomain of a zone name.
ERROR	No NS record is configured for a static-stub zone '[zone name]'	No NS record is configured for a static-stub zone.
ERROR	zone '[zone name]': 'file' not specified	Zone: 'file' not specified.
ERROR	max-journal-size [size] is too large	The configuration option 'max-journal-size' value is too large for a zone.
WARNING	failed to initialize transfer tracker for multi primary zone; disabled tracking	Failed to initialize transfer tracker for multi primary zone. Tracking is disabled.
ERROR	max-journal-size [size] is too large	The configuration option 'max-journal-size' value is too large for a zone.
WARNING	zone '[zone name]' allows updates by IP address, which is insecure	Zone allows updates by IP address. This is insecure.
WARNING	interpreting sig-validity-interval as seconds	To avoid excessive delays in testing, you should resign zones quickly. Treat signature-validity-interval as seconds instead of days and compensate accordingly.
ERROR	dlz_dlopen: library '[path]' is missing required symbol '[symbol]'	The dlz_dlopen driver: required symbol cannot be loaded due to a missing library.
ERROR	dlz_dlopen driver for '[dlz name]' needs a path to the shared library	The dlz_dlopen driver for dlz needs a path to the shared library.
ERROR	dlz_dlopen failed to open library '[path]' – [error message]	The dlz_dlopen driver failed to open a library.



DNS Log Message Reference

Level	Log message	Message description
ERROR	dlz_dlopen: incorrect version [version] should be [version] in '[path]'	An incorrect version of dlz_dlopen driver.
ERROR	dlz_dlopen of '[dlz name]' failed	The dlz_dlopen of DLZ failed.
N/A	Registering DLZ_dlopen driver	Registering DLZ_dlopen driver.
N/A	Unregistering DLZ_dlopen driver	Unregistering DLZ_dlopen driver.
ERROR	dlz_dlopen: library '[path]' is missing required symbol '[symbol]'	The dlz_dlopen driver: required symbol cannot be loaded due to a missing library.
ERROR	dlz_dlopen driver for '[path]' needs a path to the shared library	The dlz_dlopen driver for dlz needs a path to the shared library.
ERROR	dlz_dlopen failed to open library '[path]' – [error message]	The dlz_dlopen driver failed to open a library.
ERROR	dlz_dlopen: incorrect version [version] should be [version] in '[path]'	The dlz_dlopen driver reports a incorrect API version.
ERROR	'[dlz name]' failed	The dlz_dlopen dlz driver failed.
N/A	Registering DLZ_dlopen driver	Registering DLZ_dlopen driver.
N/A	Unregistering DLZ_dlopen driver	Unregistering DLZ_dlopen driver.
CRITICAL	Unspecified category and unspecified module to stderr	Testing unspecified category and unspecified module to stderr (standard error).
CRITICAL	Specified category and unspecified module to stderr	Testing specified category and unspecified module to stderr (standard error).
WARNING	Using the predefined channels to syslog+stderr	Using the predefined channels to syslog+stderr.
INFO	This is to null and should not appear!	Informational message.



DNS Log Message Reference

Level	Log message	Message description
ERROR	This message to the redefined default category should, be second in syslog	This message to the redefined default category should be second in syslog.
N/A	This should be rolled over and not appear!	This should be rolled over and not appear!
N/A	should be in file [message]/[file version]	Message should be in a file.
N/A	should be in base file	Message should be in a base file.
N/A	This is message [number] in the log file	This is a message № ... in the log file.
ERROR	bdbhpt driver ttl must be a positive number	The bdbhpt driver: Error of converting ttl string to integer. ttl must be a positive number.
ERROR	bdbhpt could not initialize [db name] database. bdbhpt error: [error message]	The bdbhpt driver failed to initialize a database.
ERROR	bdbhpt could not set flags for [db name] database. bdbhpt error: [error message]	The bdbhpt driver failed to set flags for a database.
ERROR	bdbhpt could not open [db name] database in [db file]. bdbhpt error: [error message]	The bdbhpt driver failed to open a database in file.
ERROR	bdbhpt driver requires at least 3 command line args.	The bdbhpt driver requires at least 3 command line arguments.



DNS Log Message Reference

Level	Log message	Message description
ERROR	bdbhpt driver requires the operating mode be set to P or C or T. You specified [operating mode]	The bdbhpt driver requires the operating mode to be set to P or C or T.
ERROR	Could not allocate memory for database instance object.	Cannot allocate memory for a database instance object.
ERROR	bdbhpt environment could not be created. bdbhpt error: [error message]	The bdbhpt driver environment cannot be created.
ERROR	bdbhpt environment at '[command line argument]' could not be opened. bdbhpt error: [error message]	The bdbhpt driver environment cannot be opened.
ERROR	BDB driver ttl must be a positive number	The Berkeley DB driver: Cannot convert TTL string to an integer. TTL value must be a positive number.
ERROR	BDB could not initialize [db name] database. BDB error: [error message]	The Berkeley DB driver failed to initialize a database.
ERROR	BDB could not set flags for [db name] database. BDB error: [error message]	The Berkeley DB driver failed to set flags for a database.
ERROR	BDB could not open [db name] database in [db file]. BDB error: [error message]	The Berkeley DB driver failed to open a database in file.
ERROR	Berkeley DB driver requires at least 2 command line args.	The Berkeley DB driver requires at least 2 command line arguments.



DNS Log Message Reference

Level	Log message	Message description
ERROR	Could not allocate memory for database instance object.	Memory for database instance object cannot be allocated.
ERROR	BDB environment could not be created. BDB error: [error message]	The Berkeley DB environment cannot be created.
ERROR	BDB environment at '[command line argument]' could not be opened. BDB error: [error message]	The Berkeley DB environment cannot be opened. An appropriate error is indicated.
ERROR	BDB could not associate [dlz host] database with [dlz data]. BDB error: [error message]	The Berkeley DB could not associate the host secondary database with the primary database.
ERROR	BDB could not associate [dlz zone] database with [dlz data]. BDB error: [error message]	The Berkeley DB could not associate the zone secondary database with the primary database.
ERROR	dlz_dlopen: library '[path]' is missing required symbol 'symbol'	The dlz_dlopen driver: required symbol cannot be loaded due to a missing library.
ERROR	dlz_dlopen driver for '[dlz name]' needs a path to the shared library	The dlz_dlopen driver for dlz: a path to the shared library is needed.
ERROR	dlz_dlopen failed to open library '[path]' – [error message]	The dlz_dlopen driver failed to open a library.
ERROR	dlz_dlopen: incorrect version [version] should [version] in '[path]'	The dlz_dlopen driver reports an incorrect API version.
ERROR	dlz_dlopen of '[dlz name]' failed	THE dlz_dlopen driver of dlz failed.
N/A	Registering DLZ_dlopen driver	Registering DLZ_dlopen driver.
N/A	Unregistering DLZ_dlopen driver	Unregistering DLZ_dlopen driver.



DNS Log Message Reference

Level	Log message	Message description
ERROR	Filesystem driver unable to allocate memory in create_path().	Filesystem driver cannot allocate memory in create_path() function.
ERROR	Filesystem driver: [directory] could not be parsed properly	Filesystem driver reports that directory entry cannot be parsed properly.
ERROR	Filesystem driver: [directory] could not be parsed properly	Filesystem driver reports that directory entry cannot be parsed properly.
ERROR	Filesystem driver ttl must be a positive number	Filesystem driver cannot convert a TTL string to an integer. The TTL value must be a positive number.
ERROR	Unable to open [directory] directory to read entries.	Cannot open directory to read entries.
ERROR	Unable to open [directory] directory to read entries.	Cannot open directory to read entries.
ERROR	Unable to open [directory] directory to read entries.	Cannot open directory to read entries.
ERROR	Filesystem driver requires 6 command line args.	File system driver requires 6 command line arguments.
ERROR	Filesystem driver can only accept a single character for separator.	File system driver can only accept a single character for a separator.



DNS Log Message Reference

Level	Log message	Message description
ERROR	Base dir parameter for filesystem driver should end with either '/' or '\\'	Base dir parameter for file system driver should end with either '/' or '\\'
ERROR	Directory split count must be zero (0) or a positive number	Directory split count must be zero (0) or a positive number.
ERROR	Filesystem driver unable to allocate memory for config data	File system driver cannot allocate memory for the configuration data.
ERROR	[LDAP] query is not a valid LDAP URL	LDAP URL query is invalid.
ERROR	parsing [LDAP] query failed	LDAP URL query cannot be parsed.
ERROR	[LDAP] query must specify at least [number] attributes to return	LDAP URL query must contain more attributes.
ERROR	[LDAP] query must not specify a host	LDAP URL query should not specify a host.
ERROR	[LDAP] query must not specify a port	LDAP URL query should not specify a port.
ERROR	[LDAP] query must specify a search base	LDAP URL query should specify a search base.
ERROR	[LDAP] uses extensions. The driver does not support LDAP extensions.	The LDAP URL driver does not support LDAP extensions.



DNS Log Message Reference

Level	Log message	Message description
INFO	LDAP driver unable to find available connection after searching %d times	LDAP driver cannot find an available connection after exhausting the quota of search attempts.
INFO	LDAP no entries to process	LDAP query failed to process the first entry.
ERROR	LDAP driver unable to allocate memory while processing results	LDAP driver failed to allocate memory while processing results.
ERROR	LDAP driver ttl must be a positive number	LDAP driver query TTL value must be a positive number.
ERROR	LDAP driver unable to retrieve DNS type	LDAP driver failed to retrieve DNS type.
ERROR	LDAP driver unable to retrieve DNS data	LDAP driver failed to retrieve DNS data.
ERROR	dlz-ldap: putnamedrr failed for "[host] [type] [ttl] [data]", [error message]	Failed to put resource record to BIND due to the specified reason.
ERROR	dlz-ldap: putrr failed for "[type] [ttl] [data]", [error message]	Failed to put resource record to BIND due to the specified reason.
ERROR	LDAP driver failed while sending data to BIND	The LDAP driver failed while sending data to BIND.
INFO	LDAP driver attempting to re-connect	LDAP driver attempts to re-connect.



DNS Log Message Reference

Level	Log message	Message description
INFO	LDAP driver attempting to re-connect	LDAP driver attempts to re-connect.
ERROR	LDAP error: [error message]	LDAP driver failed with non declared error.
ERROR	LDAP driver requires at least 8 command line args	LDAP driver receives less than nine command line arguments.
ERROR	LDAP driver cannot accept more than 11 command line args	LDAP driver failed to accept more than 11 command line arguments.
ERROR	LDAP driver protocol must be either [version] or [version]	Incorrect LDAP driver protocol version.
ERROR	LDAP driver authentication method must be one of [SIMPLE], [KRB41] or [KRB42]	Incorrect LDAP driver authentication method.
ERROR	LDAP driver database connection count must be positive	LDAP driver database connection count is incorrect (negative).
ERROR	LDAP driver could not create database instance object	LDAP driver Cannot create a database instance object.
ERROR	LDAP driver could not allocate memory for connection number [connection number]	LDAP driver failed to allocate memory for the specified database instance (DBI).
ERROR	LDAP driver could not allocate memory for connection	LDAP driver failed to allocate memory for a database instance (DBI).



DNS Log Message Reference

Level	Log message	Message description
ERROR	LDAP driver could not set protocol version	LDAP driver failed to set a protocol version.
ERROR	LDAP driver could not bind connection number [connection number] to server	LDAP driver failed to bind indicated database instance (DBI) to named.
ERROR	LDAP driver could not bind connection to server	LDAP driver failed to bind a database instance (DBI) to named.
ERROR	mysql driver ttl must be a positive number	The MySQL driver query TTL must be a positive number.
ERROR	mysql driver unable to allocate memory for temporary string	The MySQL driver failed to allocate memory for a temporary string when processing MySQL result sets for lookup and authority.
ERROR	mysql driver ttl must be a positive number	The MySQL driver query TTL must be a positive number.
ERROR	dns_sdls_putrr returned error. Error code was: [error message]	The dns_sdls_putrr() function returned an error when processing MYSQL result sets for lookup and authority.
ERROR	mysql driver unable to return result set for findzone query	The MySQL driver failed to return resultset from database for a zone.
ERROR	mysql driver unable to return result set for allow xfr query	The MySQL driver failed to return resultset for allow xfr query when determining whether the client is allowed to perform a zone transfer.



DNS Log Message Reference

Level	Log message	Message description
ERROR	mysql driver unable to return result set for all nodes query	The client is allowed to perform a zone transfer but failed to get all the nodes in the zone. MySQL driver cannot return result set for all nodes query.
ERROR	mysql driver too few fields returned by all nodes query	The client is allowed to perform a zone transfer but failed to get all the nodes in the zone. Result of all nodes query from a result set contains less than four fields.
ERROR	mysql driver ttl must be a positive number	The client is allowed to perform a zone transfer and gets all the nodes in the zone. Nevertheless, the MySQL driver failed to convert TTL value from a string to a long type because it must be a positive number.
ERROR	mysql driver unable to allocate memory for temporary string	The MySQL driver failed to allocate memory for a temporary string when it tries to concatenate the last fields (all fields after the 3rd) received as a result of all nodes query.
ERROR	dns_sdlez_putnamedrr returned error. Error code was: [error message]	The client is allowed to perform a zone transfer but when it tries to get all the nodes in the zone, dns_sdlez_putnamedrr() function returns indicated error code.
ERROR	mysql driver unable to return result set for authority query	The MySQL driver failed to get the result set for the authority query from the database.
ERROR	mysql driver unable to return result set for lookup query	The MySQL driver failed to get the result set for a lookup from the database.
ERROR	mysql driver requires at least 4 command line args	There are less than four command line arguments passed to MySQL driver when it tries to create a driver instance.
ERROR	mysql driver cannot accept more than 7 command line args	The MySQL driver Cannot create an instance because the number of command line parameters is more than seven.
ERROR	mysql driver requires a dbname parameter	The dbname parameter is missing in command line parameters passed to the MySQL driver. Required to create a MySQL Driver instance.



DNS Log Message Reference

Level	Log message	Message description
ERROR	Mysql driver port must be a positive number	The MySQL driver Cannot create an instance of the MySQL driver because port parameter value passed as the command line argument is not a positive number.
ERROR	mysql driver could not create database instance object	The MySQL driver Cannot create a driver instance because the number of command line parameters is incorrect.
ERROR	mysql driver could not allocate memory for database connection	The MySQL driver failed to allocate memory for a database connection.
WARNING	mysql driver failed to set MYSQL_OPT_RECONNECT option, continuing	The MySQL driver failed to set the MYSQL_OPT_RECONNECT option when it tries to reconnect to a database.
ERROR	mysql driver failed to create database connection after 4 attempts	The MySQL driver Cannot create a database connection after four attempts.
ERROR	Odbc driver unable to allocate memory	The ODBC driver failed to allocate memory for a connection object when trying to connect to a database.
ERROR	Odbc driver unable to allocate memory	The ODBC driver failed to allocate memory for a connection object when trying to connect to a database.
ERROR	Odbc driver unable to connect	The ODBC driver cannot connect to a database.
ERROR	Odbc driver unable to allocate memory	The ODBC driver cannot allocate memory for a ODBC statement when trying to connect to a database.
INFO	Odbc driver unable to find available connection after searching [number] times	The ODBC driver cannot connect to a database after the number of indicated attempts.
ERROR	Odbc driver unable to process result set	The ODBC driver cannot process a result set from the database for a lookup and authority.



DNS Log Message Reference

Level	Log message	Message description
ERROR	Odbc driver ttl must be a positive number	The ODBC driver failed to convert TTL value from a string to long type when processing ODBC result sets for lookup and authority because the value is not a positive number.
ERROR	dns_sdlez_putrr returned error. Error code was: [error message]	The dns_sdlez_putrr() function returned indicated error when it processed ODBC result sets for a lookup and authority.
ERROR	Odbc driver unable to return result set for all nodes query	Although the client is allowed to perform a zone transfer, the The ODBC driver cannot return a result set for the all nodes query.
ERROR	Odbc driver unable to process result set	The client is allowed to perform a zone transfer but The ODBC driver failed to get a number of columns from a result set when it tries to get all the nodes in the zone.
ERROR	Odbc driver too few fields returned by all nodes query	The client is allowed to perform a zone transfer but failed to get all the nodes in the zone. Result of all nodes query from a result set contains less than four fields.
ERROR	Odbc driver ttl must b a positive number	The client is allowed to perform a zone transfer and gets all the nodes in the zone. Nevertheless, the The ODBC driver failed to convert TTL value from a string to a long type because it must be a positive number.
ERROR	dns_sdlez_putnamedrr returned error. Error code was: [error message]	The client is allowed to perform a zone transfer but failed to get all the nodes in the zone, dns_sdlez_putnamedrr() function returns indicated error.
ERROR	Odbc driver unable to return result set for authority query	The ODBC driver failed to get the result set for authority query from the database.
ERROR	Odbc driver unable to return result set for lookup query	The ODBC driver failed to get the result set for a lookup query from the database.
ERROR	Odbc driver requires at least 4 command line args	The ODBC driver Cannot create its instance because it requires at least four command line arguments.



DNS Log Message Reference

Level	Log message	Message description
ERROR	Odbc driver cannot accept more than 7 command line args	The ODBC driver Cannot create an instance because the number of command line parameters is more than seven.
ERROR	Odbc driver database connection count must be positive	The ODBC driver Cannot create a driver instance because the value of the database connection count parameter passed as command line argument must be a positive number.
ERROR	odbc driver requires a dns parameter	The ODBC driver Cannot create a driver instance because the DNS parameter is missing.
INFO	Odbc driver unable to allocate memory	The ODBC driver failed to allocate memory for SQL environment when it creates the driver instance.
INFO	Unable to configure ODBC environment	The ODBC driver failed to set the VERSION attribute for SQL environment when it creates the driver instance.
ERROR	Odbc driver could not create database instance object	The ODBC driver Cannot create a database instance object because the number of command line parameters is incorrect.
ERROR	Odbc driver failed to create database connection number [connection number] after 3 attempts	The ODBC driver Cannot create a database connection for the specified thread after three attempts.
ERROR	Odbc driver failed to create database connection after 3 attempts	The ODBC driver Cannot create a database connection after three attempts.
INFO	Postgres driver unable to find available connection after searching [number] times	The Postgres driver failed to find an available connection after the searching indicated number of times.
ERROR	[dlz thread number] Getting DBI	The Postgres driver tries to get a database instance (DBI).
ERROR	[dlz thread number] Got DBI - checking query	The Postgres driver is checking the query.



DNS Log Message Reference

Level	Log message	Message description
ERROR	[dlz thread number] checked query	The Postgres driver checked the query.
ERROR	[dlz thread number] did zone	The Postgres driver added zone to a database instance for the specified thread.
ERROR	[dlz thread number] did record	The Postgres driver added a record to a database instance for the specified thread.
ERROR	[dlz thread number] did client	The Postgres driver added a record to a database instance for the specified thread.
ERROR	[dlz thread number] built query	The Postgres driver built a query for the specified thread.
ERROR	[dlz thread number] query is [query]	The Postgres driver displays the query for the specified thread.
ERROR	[dlz thread number] executing query for [number] time	The Postgres driver executes the query up to three times for the specified thread.
ERROR	[dlz thread number] resetting connection	The Postgres driver resets a connection to a database for the specified thread.
ERROR	[dlz thread number] rs ok	The Postgres driver received a result set for the specified thread.
ERROR	[dlz thread number] clearing rs	The Postgres driver cleans up an unsuccessful result set for the specified thread.
ERROR	[dlz thread number] cleaning up	The Postgres driver cleans up a database instance (DBI) for the specified thread.
ERROR	[dlz thread number] unlocking mutex	The Postgres driver unlocks mutex for the specified thread.
ERROR	[dlz thread number] returning	The Postgres driver returns the specified thread.
ERROR	Postgres driver ttl must be a positive number	The Postgres driver failed to convert TTL value from a string to a long type when processing Postgres result sets for a lookup and authority query. The reason is that TTL value must be a positive number.



DNS Log Message Reference

Level	Log message	Message description
ERROR	Postgres driver unable to allocate memory for temporary string	The Postgres driver cannot allocate memory for temporary string when processing Postgres result sets for a lookup and authority query.
ERROR	Postgres driver ttl must be a positive number	The Postgres driver failed to convert TTL value from a string to a long type when processing Postgres result sets for a lookup and authority query. The reason is that TTL value must be a positive number.
ERROR	Error code was: [error message]	The dns_sdls_putrr() function returns the specified error when processing Postgres result sets for a lookup and authority query.
ERROR	Postgres driver unable to return result set for findzone query	The Postgres driver cannot return a result set for a find zone query.
ERROR	Postgres driver unable to return result set for allow xfr query	The Postgres driver cannot return a result set for an allow xfr query.
ERROR	Postgres driver unable to return result set for all nodes query	The Postgres driver cannot return a result set for all nodes query.
ERROR	ostgres driver too few fields returned by all nodes query	The Postgres driver returns less then four fields by all nodes query from a result set.
ERROR	Postgres driver ttl must be a positive number	The Postgres driver cannot convert TTL value from a string to a long type when processing Postgres result sets for all the nodes in the zone query because the TTL value is not a positive number.
ERROR	Postgres driver unable to allocate memory for temporary string	The Postgres driver cannot allocate memory for a temporary string when processing Postgres result sets for all the nodes in the zone query.



DNS Log Message Reference

Level	Log message	Message description
ERROR	dns_sdiz_putnamedrr returned error. Error code was: [error message]	The dns_sdiz_putnamedrr() function returned the specified error when processing Postgres result sets for all the nodes in the zone query.
ERROR	Postgres driver unable to return result set for authority query	The Postgres driver cannot return a result set for an authority query.
ERROR	Postgres driver unable to return result set for lookup query	The Postgres driver cannot return a result set for a lookup query.
ERROR	Postgres driver requires at least 4 command line args	The Postgres driver Cannot create a driver instance because it requires at least four command line arguments.
ERROR	Postgres driver cannot accept more than 7 command line args.	The Postgres driver Cannot create a driver instance because it does not accept more that seven command line arguments.
ERROR	Postgres driver database connection count must be positive	The Postgres driver Cannot create a driver instance because the database connection count parameter passed as command line arguments is not a positive number.
ERROR	Postgres driver could not create database instance object	The Postgres driver Cannot create a driver instance because the number of command line parameters is incorrect.
ERROR	Postgres driver could not allocate memory for database connection	The Postgres driver fails to allocate memory for a database connection.
ERROR	Postgres driver failed to create database connection number [connection number] after 4 attempts	The Postgres driver Cannot create a database connection for the specified database instance (DBI) after four attempts.



DNS Log Message Reference

Level	Log message	Message description
ERROR	Postgres driver failed to create database connection after 4 attempts	The Postgres driver Cannot create a database connection for the database instance (DBI) after four attempts.
INFO	Loading '[DLZ name]' using DLZ_stub driver. Zone: [zone], Name: [name] IP: [IP address]	Loading DLZ using DLZ_stub driver with the specified parameters from a command line.
ERROR	Required token \$client\$ not found	The SDLZ driver failed to find the required client token while constructing a query list by parsing a string into query segments.
ERROR	Required token \$record\$ not found	The SDLZ driver failed to find the required record token while constructing a query list by parsing a string into query segments.
ERROR	Required token \$zone\$ not found.	The SDLZ driver failed to find the required zone token while constructing a query list by parsing a string into query segments.
ERROR	Could not allocate memory for database instance object.	The SDLZ driver failed to allocate memory for a database instance object while constructing a SQL database instance (DBI).
ERROR	Could not build all nodes query list	The SDLZ driver failed to build all nodes query list while constructing a SQL database instance (DBI).
ERROR	Could not build allow xfr query list	The SDLZ driver failed to build allow xfr query list while constructing a SQL database instance (DBI).
ERROR	Could not build authority query list	The SDLZ driver failed to build allow xfr query list while constructing a SQL database instance (DBI).
ERROR	Could not build find zone query list	The SDLZ driver failed to build find zone query list while constructing a SQL database instance (DBI).
ERROR	Could not build count zone query list	The SDLZ driver failed to build count zone query list while constructing a SQL database instance (DBI).
ERROR	Could not build lookup query list	The SDLZ driver failed to build lookup query list while constructing a SQL database instance (DBI).



DNS Log Message Reference

Level	Log message	Message description
ERROR	db_create	The BDB SDB driver Cannot create a database instance.
ERROR	sc_file_exists: [filename]	The BDB SDB driver Cannot create a database instance because filename passed as a command line argument is invalid.
ERROR	DB->open: [error message]	The BDB SDB driver failed to open a database from a file.
ERROR	DB->cursor: [error message]	The BDB SDB driver failed to return a result set for a lookup query.
ERROR	dns_sdb_putrr	The BDB SDB driver failed to put a record data into a database for a lookup query.
ERROR	DB->cursor: [error message]	The BDB SDB driver failed to return a result set for all nodes query.
ERROR	dns_sdb_putnamedrr	The BDB SDB driver failed to put a named record data into a database for all nodes query.
ERROR	LDAP sdb zone '[zone]': bind failed	LDAP SDB driver failed to bind zone data with database data.
ERROR	LDAP sdb zone '[zone]': name [name] too long	The SDB LDAP driver detects that the length of a name for a zone is too long.



DNS Log Message Reference

Level	Log message	Message description
ERROR	LDAP sdb zone '[zone]': search failed, filter [filter]	The SDB LDAP driver failed to find a zone in a database.
ERROR	LDAP sdb zone '[zone]': ldap_result returned [error message]	The SDB LDAP driver failed to find a search entry for a record data in a result message.
ERROR	LDAP sdb zone '[zone]': ldap_first_entry failed	The SDB LDAP driver failed to find first entry for a record data in a result message.
ERROR	LDAP sdb zone '%s': dns_sdb_put... failed for [value of a record data]	The SDB LDAP driver detects that the value of a record data of result message is invalid.
ERROR	LDAP sdb zone '[zone]': URL: extension syntax error	Cannot create The SDB LDAP driver because URL extension for a zone has a syntax error.
ERROR	LDAP sdb zone '[zone]': URL: unknown critical extension	Cannot create The SDB LDAP driver because URL for a zone has an unknown critical extension.
ERROR	LDAP sdb zone '[zone]': URL: bad hex values	Cannot create The SDB LDAP driver because URL extension for a zone has a bad hex values.
ERROR	initializing tcldb: loading 'lookup.tcl' failed: [error message]	Cannot create the The SDB TSLDB driver.
ERROR	zone '[zone]': tcl lookup function failed: [error message]	The SDB TSLDB driver failed to connect to a database for a zone lookup query.
ERROR	zone '[zone]': malformed return value from tcl lookup function: [error message]	The SDB TSLDB driver failed to return result set for a zone lookup query or count of fields in a result set is not equal to three.
ERROR	rrset-order: invalid class '[class]'	DNS record class name is not CHAOS as defined by the rrset-order statement.
ERROR	rrset-order: invalid type '[type]'	DNS record data type length does not comply with the rrset-order statement value.
ERROR	rrset-order: invalid name '[name]'	DNS name is invalid according to the rrset-order statement.
ERROR	rrset-order: keyword 'order' missing	The "order" field is missing from the rrset-order statement.



DNS Log Message Reference

Level	Log message	Message description
ERROR	rrset-order: missing ordering	The "order" field is missing from the rrset-order statement.
WARNING	rrset-order: order 'fixed' was disabled at compilation time	The rrset-order statement order "fixed" was disabled at a compilation time.
ERROR	rrset-order: invalid order '[order object]'	The rrset-order statement contains an invalid value for order.
ERROR	port '[port]' out of range	The port value found is out of range when checking dual-stacked (IPv4/IPv6) servers.
ERROR	bad name '[DNS name]'	An invalid DNS name was found when checking dual-stacked (IPv4/IPv6) servers.
ERROR	port '[port]' out of range	The port value found is out of range when checking dual-stacked (IPv4/IPv6) servers.
ERROR	forwarders declared in root zone and in general configuration: [file]:[line]	These are forwarders declared in the root zone and in general configuration.
ERROR	no matching 'forwarders' statement	Forwarders are not declared in a root zone.
ERROR	bad domain name '[DNS name]'	Bad DNS name is detected when disabling the use of DNS security algorithm.
ERROR	invalid algorithm '[algorithm]'	DNS security algorithm defined in a configuration file was found invalid when disabling the use of DNS security algorithm.
ERROR	bad domain name '[DNS name]'	Bad DNS name is detected when checking dnssec-must-be-secure configuration option.
ERROR	dns64 requires a IPv6 prefix	The "dns64" configuration option requires an IPv6 prefix.
ERROR	bad prefix length [prefix length] [32/40/48/56/64/96]	The IPv6 prefix has an incorrect length required by the dns64 configuration option.
ERROR	dns64 requires a IPv6 suffix	The "dns64" configuration option requires an IPv6 suffix.
ERROR	bad suffix '[net address]' leading [number] octets not zeros	The IPv6 suffix has an incorrect length for a dns64 configuration option.
WARNING	both "recursion no;" and "[ACL]" active[[for view]or[]] [view name]	The "allow-recursion" and "allow-recursion-on ACLs" options are inconsistent with the "recursion" option configuration.
WARNING	both \"filter-aaaa-on-v4 [yes];\" and \"filter-aaaa\" is 'none;'[[for view]or[]] [view name], break-dnssec : yes	The state of "filter-aaaa-on-v4" option. If "filter-aaaa-on-v4" option is set to 'yes', AAAA records are not included in the response if the client falls within the filter-aaaa address match list and no DNSSEC signatures are included. If this option is set to 'no', such filtering is not performed and AAAA records are returned. If set to 'break-dnssec', the AAAA records are not included even if DNSSEC signatures exist.



DNS Log Message Reference

Level	Log message	Message description
WARNING	both "\"filter-aaaa-on-v4 no;\" and \"filter-aaaa\" is set[[for view]or[]] [view name]	The state of "filter-aaaa-on-v4" option. If "filter-aaaa-on-v4" option is set to 'yes', AAAA records are not included in the response if the client falls within the filter-aaaa address match list and no DNSSEC signatures are included. If this option is set to 'no', such filtering is not performed and AAAA records are returned. If set to 'break-dnssec', the AAAA records are not included even if DNSSEC signatures exist.
ERROR	[interval name] '[interval value]' is out of range (0..[interval max value])	The "unit of time" field value is out of range.
ERROR	[interval name] '[interval value]' is out of range	The "unit of time" field value is out of range.
ERROR	Max-rsa-exponent-size '[interval value]' is out of range (35..4096)	The max-rsa-exponent-size is only applicable to recursive name servers (full service resolvers) and allows the user to define the maximum number of bits in the RSA key when validating RRSIG RR(s). The number of bits may be in the range 35 to 4096, with the value 0 (the default) indicating 4096. If any signed zone uses an RSA algorithm with a key size greater than bits then the zone will not be validated and the zone's results will be marked "insecure."
ERROR	[sig-validity-interval] '[interval value]' is out of range (1..3660)	"sig-validity-interval" configuration option value is out of range (1..3660). Specifies the number of days into the future when DNSSEC signatures are automatically generated when dynamic updates expire.
ERROR	[sig-validity-interval] '[interval value]' is out of range (0..3660), sig-validity- interval	"sig-validity-interval" configuration option value is out of range (0..3660). Specifies the number of days into the future when DNSSEC signatures are automatically generated when dynamic updates expire.
ERROR	[sig-validity-interval] '[interval value]' is out of range (1..3660), sig-validity- interval (re-sign)	"sig-validity-interval (re-sign)" configuration option value is out of range (1..3660).
ERROR	validity interval ([number] days) less than re-signing interval ([re-signing interval] [[days]or[hours]])	The value of the validity interval is less than the re-signing interval value.
ERROR	preferred-glue unexpected value '[type]'	The value of "preferred-glue" configuration option does not match any of the following types: "a", "aaaa" or "none". This option defines the order of preference in which glue records are listed in the additional section of the response. If not specified, they are listed in the order they appear in the zone file.
ERROR	bad domain name '[DNS name]'	Bad domain name is found when checking configuration option "root-delegation-only".
ERROR	bad domain name '[DNS name]'	Bad domain name is found when checking configuration option "dnssec-lookaside"



DNS Log Message Reference

Level	Log message	Message description
ERROR	dnssec-lookaside '[DNS name]': non-root not yet supported	DNSSEC lookaside validation does not yet support non-root usage.
ERROR	bad domain name '[DNS name]'	Bad domain name is found during DNSSEC lookaside validation.
ERROR	dnssec-lookaside requires either 'auto' or 'no', or a domain and trust anchor	DNSSEC lookaside validation parameters should be one of the following: 'auto', 'no', or a 'domain trust-anchor DLV_domain'.
ERROR	auto-dnssec may only be activated at the zone level	The auto-dnssec zone statement is set to 'off' and not at the zone level.
ERROR	[server contact]: invalid name '[DNS name]'	DNS name is invalid for server contacts.
ERROR	disable-empty-zone: invalid name '[DNS name]'	The 'disable-empty-zone' statement contains an invalid DNS name.
ERROR	server-id' too big (>1024 bytes)	Length of 'server-id' configuration option exceeds 1024 bytes.
ERROR	unexpected token '[configuration object]'	The 'primaries' statement contains an unexpected token key.
ERROR	unable to find primaries list '[primary list]'	The 'primaries list' is missing.
ERROR	'[DNS name]' is not a valid name	The 'update-policy' configuration option contains an invalid domain name.
ERROR	'[DNS name]' is not a valid name	The 'update-policy' configuration option contains an invalid nametype.
ERROR	'[DNS name]' is not a wildcard	The 'update-policy' configuration option contains an invalid wildcard.
ERROR	'[record datatype]' is not a valid type	The 'update-policy' configuration option contains an invalid DNS record datatype.
ERROR	'[configuration option]' must not be zero	the specified configuration option should not be zero.
ERROR	zone '[zone]': type not present	Verification of zone statements for syntactical correctness and absence of duplicate zones failed to get configured zone type.
ERROR	zone '[zone]': invalid type [type]	Verification of zone statements for syntactical correctness and absence of duplicate zones finds an invalid zone type.
ERROR	redirect zones must be called "."	Verification of zone statements for syntactical correctness and absence of duplicate zones finds that redirect zone name does not contain "." symbol.
ERROR	zone '[zone]': invalid class [class]	Verification of zone statements for syntactical correctness and absence of duplicate zones finds an invalid zone class.
ERROR	zone '[zone]': class '[zone]' does not match view/default class	Verification of zone statements for syntactical correctness and absence of duplicate zones finds that a zone class does not match the view/default class.



DNS Log Message Reference

Level	Log message	Message description
ERROR	zone '[zone]': is not a valid name	Verification of zone statements for syntactical correctness and absence of duplicate zones finds that a zone name is invalid for the existing zone.
ERROR	option '[option name]' is not allowed in '[type]' zone '[zone name]'	Verification of zone statements for syntactical correctness and absence of duplicate zones finds that configuration options for the specified zone type is not "allow-update" or the zone type is not SECONDARYZONE.
WARNING	option '[option name]' is not allowed in '[type]' zone '[zone name]'	Verification of zone statements for syntactical correctness and absence of duplicate zones finds that indicated option is not allowed in this particular zone.
ERROR	zone '[zone name]': missing 'primaries' entry	Verification of zone statements for syntactical correctness and absence of duplicate zones failed to find 'primaries' entry is missing.
ERROR	zone '[zone name]': empty 'primaries' entry	Verification of zone statements for syntactical correctness and absence of duplicate zones finds that 'primaries' entry is empty.
ERROR	zone '[zone name]': 'allow-update' is ignored when 'update-policy' is present"	Verification of zone statements for syntactical correctness and absence of duplicate zones finds that 'allow-update' configuration option is ignored because 'update-policy' option is present.
ERROR	auto-dnssec [off];' requires[[dynamic DNS or]] inline-signing to be configured for the zone	When 'auto-dnssec' option is set to 'off' it requires dynamic DNS or 'inline-signing' option to be configured for the primary zone or the secondary zone.
ERROR	auto-dnssec create;' is not yet implemented	Verification of zone statements for syntactical correctness and absence of duplicate zones finds that 'create' parameter is not yet implemented for 'auto-dnssec' option.
ERROR	sig-signing-type: [type] out of range [[0xff00U]..[0xffffU]]	Configuration value for the 'sig-signing-type' type is out of range [0xff00U..0xffffU].
ERROR	dialup type '[dialup type]' is not allowed in '[zone type]' zone '[zone]'	The 'dialup' configuration option is not allowed for the specified zone.
ERROR	invalid dialup type '[dialup type]' in zone [zone name]	The 'dialup' configuration option is not allowed for the specified zone.
ERROR	port is not configurable for static stub server-addresses	The port value is not configurable for static stub server-addresses. 'server-addresses' statement defines the ip-address(es) (either IPv4 or IPv6) that will be configured as glue RRs using A (IPv4) or AAAA (IPv6) for the name server either defined by the server-names or in its absence for a name server at the apex of the static-stub zone.



DNS Log Message Reference

Level	Log message	Message description
ERROR	scoped address is not allowed for static stub server-addresses	Scoped address is not allowed for a static stub server-addresses.
ERROR	server-name '[server name]' is not a valid name	The 'name' parameter is invalid for the 'server-names' statement. Only used when zone type is static-stub. This defines one or more dom-name(es) that will be synthesized as the NS RR(a) for the zone. If no server-addresses are defined, then these names must be out-of-zone static-stub zone to allow A/AAAA resolution (inside the zone they would require glue A/AAAA records.)
ERROR	server-name '[server name]' must not be a subdomain of zone name '[zone name]'	The 'name' parameter of the 'server-names' statement should not be a subdomain of a zone name.
ERROR	zone '[zone name]': missing 'file' entry	If the zone type is rbt or rbt64 then primary or hint zones require the 'file' clause.
ERROR	key '[key name]' must have both 'secret' and algorithm' defined	The key (name indicated) should have both 'secret' and 'algorithm' defined. Check these parameters.
ERROR	bad secret '[error message]'	The key list contains bad secret.
ERROR	unknown algorithm '[algorithm]'	The key list contains unknown algorithm defined.
ERROR	key '[key name]' digest-bits too large [[algorithm size)/2]..[algorithm size]]	The value of indicated key digest-bits is too large.
ERROR	key '[key name]' digest-bits not multiple of 8	The value of indicated key digest-bits is not a multiple of eight.
WARNING	key '[key name]' digest-bits too small [<([algorithm size)/2]]	The value of indicated key digest-bits is too small.
ERROR	key '[key name]': unable to parse digest-bits	Failed to parse digest-bits for the specified key.
ERROR	key '[key name]': bad key name	The specified key has a bad name.
ERROR	key '[key name]': already exists previous definition: [file]:[line]	Key list verification finds that previous definition of the specified key already exists.
ERROR	server '[net address]/[prefix]': invalid prefix (extra bits specified)	The server net address has an invalid prefix.



DNS Log Message Reference

Level	Log message	Message description
ERROR	server '[net address]/[prefix]': [xfr] not legal	The specified server is not legal.
ERROR	server '[net address]/[prefix]': already exists previous definition: [file]:[line]	Previous definition of a server already exists.
ERROR	bad key name '[key name]'	The specified key has a bad key name.
ERROR	unknown key '[key name]'	The specified key is unknown.
WARNING	bad key name: [key name]	Bad key name is detected when checking a trusted key.
WARNING	flags too big: [flags]	The trusted key flags value is too big.
WARNING	protocol too big: [protocol]	The trusted key protocol value is too big.
WARNING	algorithm too big: [algorithm]	The trusted key algorithm value is too big.
ERROR	managed key '[key name]': invalid initialization method '[initialization method]'	the specified managed key uses an invalid initialization method.
ERROR	[error message]	The trusted key is invalid.
WARNING	[[managed]or[trusted]] key '[key name]' has a weak exponent, managed : trusted	The managed or trusted key has a weak exponent.
WARNING	dnssec-validation [validation status];' and 'dnssec-enable no	The dnssec-validation status. It indicates that a resolver (a caching or caching-only name server) attempts to validate replies from DNSSEC enabled (signed) zones. The dnssec-enable indicates that a secure DNS service is being used.
ERROR	channel '[channal name]': exactly one of file, syslog, null, and stderr must be present	Exactly one of the following values: 'file', 'syslog', 'null', or 'stderr' must be present for a channel.
ERROR	undefined category: '[category name]'	An undefined logging category is detected.
ERROR	undefined channel: '[channel name]'	An undefined logging channel is detected.
ERROR	unknown key '[key name]'	An unknown key is found when checking controls key.
ERROR	unix control '[path]': path too long	The unix control path value is too long.
WARNING	unix control '[path]' allows access to everyone	The specified Unix control allows access to everyone.



DNS Log Message Reference

Level	Log message	Message description
WARNING	unix control '[path]' allows access to nobody	The specified control does not allow access to anyone.
ERROR	when using 'view' statements, all zones must be in views	When using 'view' statements, all zones must be assigned views in named configuration.
ERROR	view '[view]': invalid class [class]	The specified view has an invalid class defined.
ERROR	view '[view]': already exists previous definition: [file]:[line]	Verification of the named configuration finds that a view is already exists in previous definition.
ERROR	attempt to redefine builtin view '[view]'	An attempt to redefine built-in view when verifying the named configuration.
ERROR	'cache-file' cannot be a global option if views are present	The 'cache-file' option cannot be set to global if views are present.
ERROR	attempt to redefine builtin acl '[acl name]'	An attempt to redefine built-in ACL when verifying the named configuration.
ERROR	attempt to redefine acl '[acl name]' previous definition: [file]:[line]	An attempt to redefine previous definition of an ACL when verifying the named configuration.
ERROR	attempt to redefine kal '[name]' previous definition: [file]:[line]	An attempt to redefine previous definition of an kal when verifying the named configuration.
N/A	acache [acache] stats: hits=[number] misses=[number] queries=[number] adds=[number] deleted=[number] cleaned=[number] cleaner_runs=[number] overmem=[number] overmem_nocreats=[number] nomem=[number]	acache statistics are displayed while cleaning the acache.
N/A	acache is still in overmem state after cleaning	The acache is still in the overmen state after the cleanup.



DNS Log Message Reference

Level	Log message	Message description
WARNING	could not set acache cleaning interval: [warning message]	Cannot set an acache cleaning interval.
N/A	acache [acache] cleaning interval set to [value]	The acache cleaning interval is set to the specified value.
N/A	Access Control List: start of output	The start of Access Control List output.
N/A	IP Table start:	ACL, start of the IP Table.
N/A	IP Table size is [size] elements	ACL, count of elements of IP Table.
N/A	[IP address], [[positive]or[negative]], Node num: [node number]	ACL, radix tree node number.
N/A	IP Table end	ACL, end of the IP Table .
N/A	Number of elements: [number]	ACL, count of elements value.
N/A	Element [element number]:	ACL, element.
N/A	Node num: [node number]	ACL, node element number.
N/A	Status: [[negative]or[positive]]	ACL, status(negative or positive) element.
N/A	Element type: ipprefix	ACL, element type: ipprefix.
N/A	Name: [key name]	ACL, element name for a type: ipprefix .
N/A	Element type: Key	ACL, element type: key .
N/A	Name: [key name]	ACL, element name for a type: key .
N/A	Element type: nested ACL	ACL, element type: nested ACL,.
N/A	Details	ACL, element details for a type: nested ACL,.
N/A	Element type: Local host	ACL, element type: Local host.
N/A	Name: [key name]	ACL, element name for a type: Local host .
N/A	Element type: Local networks	ACL, element type:Local networks .
N/A	Name: [key name]	ACL, element name for a type: Local networks.
N/A	Element type: Any\n	ACL, element type: Any.
N/A	Name: [key name]	ACL, element name for a type: Any.
N/A	Element type: UNKNOWN\n	ACL, element type: UNKNOWN.
N/A	Access Control List: end of output\n	The end of Access Control List output.
WARNING	error dumping cache: [error message]	Cannot dump the cache to a file when the cache shuts down.



DNS Log Message Reference

Level	Log message	Message description
WARNING	could not set cache cleaning interval: [warning message]	Cannot set the cache cleaning interval.
WARNING	cache cleaner could not create iterator: [warning message]	Cannot create the cache cleaner iterator.
ERROR	unsupported database type '[db type]'	Cannot create a new database using implementation 'db_type' parameter value.
WARNING	'[DNS name]/[record data type]/[record data class]': TTL differs in rdataset, adjusting [ttl]->[ttl]	The TTL value in record dataset differs from a record data list TTL value. TTL value is adjusted to match the data list TTL value.
WARNING	resign requested with 0 resign interval	The merge of the record dataset into the database is successful. Resign parameter of diff object is set to 0.
WARNING	[DNS name]/[record data class]: dns_diff_apply: update with no effect	The incremental database update failed.
WARNING	dns_diff_load: update with no effect	The loading of an incremental database update failed.
N/A	dispatchmgr [manager]: [message]	Information regarding dispatch manager and a message.
N/A	dispatch [dispatch]: [message]	Information regarding DNS dispatch and a message.
N/A	dispatch [dispatch] response [response] [socket address]: [message]	Information regarding DNS dispatch, response and accompanying message.
N/A	dispatch dispatch req/resp [[request]or[response]]: [message]	Information regarding DNS dispatch, request/response and message into log.



DNS Log Message Reference

Level	Log message	Message description
N/A	shutting down; detaching from sock [socket], task [task]	Named destroyed a DNS dispatch and detaches from a socket. Task is indicated.
WARNING	open_socket([socket]) -> [warning message]: continuing	Named is picking up a random UDP port and tries to open a new socket with it. Socket is not open yet.
N/A	got packet: requests [number], buffers [number], recvs [number]	Description of the packet received from the UDP socket.
ERROR	odd socket result in udp_recv(): [error message]	The udp_recv() function generates odd socket result (indicated).
N/A	blackholed packet from [net address]	The blackholed packet is received from the specified net address.
N/A	got garbage packet	A garbage packet is received.
N/A	got valid DNS message header, /QR [[1]or[0]], id [id]	The received DNS message header is valid.
N/A	search for response in bucket [bucket]: [[not found]or[found]]	Search result for response in the specified bucket: found or not found.
N/A	response to an exclusive socket doesn't match	The corresponding response to an exclusive socket does not match.
N/A	[a] Sent event [event] buffer [buffer] len [buffer length] to task [task]	Description of the response sent to the UDP socket.
N/A	got TCP packet: requests [requests], buffers [tcp buffers], recvs [receive pending]	Description of the packet received from the TCP socket.
N/A	shutting down on EOF	Named is shutting down on EOF.
ERROR	receive error: [socket address]: [error message]	Named is shutting down due to the specified TCP receive error.
N/A	result [result], length == [address length], addr = [address]	TCP message description: result, length, address.
N/A	got garbage packet	A garbage packet is received.



DNS Log Message Reference

Level	Log message	Message description
N/A	got valid DNS message header, /QR [[1]or[0]], id [id]	The received DNS message header is valid.
N/A	search for response in bucket [bucket]: [[not found]or[found]]	Search result for response in the specified bucket: found or not found.
N/A	[b] Sent event [event] buffer [buffer] len [buffer length] to task [task]	Description of the response sent to the TCP socket.
N/A	destroy_mgr_ok: shuttingdown=[number], listnonempty=[number], epool=[number], rpool=[number], dpool=[number]	Named destroyed a dispatch manager.
N/A	destroy: killit=[killit]	Named destroyed a dispatch manager.
N/A	created TCP dispatcher [dispatcher]	TCP dispatcher is created.
N/A	created task [task]	Task for TCP dispatcher is created.
ERROR	avoid-v[[4]or[6]]-udp-ports: unable to allocate an available port	The avoid-v4[v6]-udp-ports statement defines a list of port numbers that will not be used by BIND when initiating queries. This list may be used to avoid ports that are blocked by a firewall. This option can be defined in the global options clause only.
N/A	UDP dispatch for [address] with socket fd [socket fd]	UDP dispatch is created for the specified address and socket fd.
N/A	created UDP dispatcher [dispatche]	UDP dispatcher is created.
N/A	created task [task]	Task for UDP dispatcher is created.
N/A	created socket [socket]	Socket for UDP dispatcher is created.
N/A	detach: refcount [reference count]	The references count to DNS dispatch while detaching.
N/A	attached to task [task]	Response attached to the specified task.
N/A	starttcp [task]	TCP dispatch starts.
N/A	detaching from task [task]	Response is detaching from a task.
N/A	cancel: failsafe event [event] -> task [task]	The shutdown failsafe event is sent for this response.



DNS Log Message Reference

Level	Log message	Message description
INFO	Loading '[dlz name]' using driver [driver name]	Loading Dynamically Loadable Zones (DLZ) using the specified driver .
ERROR	unsupported DLZ database driver '[driver name]'. [dlz name] not loaded.	Unsupported DLZ database driver. DLZ is not loaded.
ERROR	DLZ driver failed to load.	The DLZ driver failed to load.
INFO	No ssumatch method for DLZ database	There is no ssumatch method available for a DLZ database.
INFO	sucessfully validated after lower casing signer '[DNS name]'	DNSSEC is successfully validated after the lower casing signer.
WARNING	dns_dnssec_findzonekeys2: error reading private key file [DNS name]/[algorithm]/[key id]: [warning message]	The dns_dnssec_findzonekeys2() function. Cannot read the specified private key file.
WARNING	dns_dnssec_findmatchingkeys: error reading key file [directory name]: [error message]	The dns_dnssec_findmatchingkeys() function. Cannot read the specified private key file.
WARNING	dns_dnssec_keylistfromrdataset: error reading private key file [DNS name]/[algorithm]/[key id]: [warning message]	The dns_dnssec_keylistfromrdataset() function. Cannot read the specified private key file.
INFO	GSS-TSIG key created: [DNS name]	The GSS-TSIG key is created.



DNS Log Message Reference

Level	Log message	Message description
INFO	GSS-TSIG key created	The GSS-TSIG key is created.
WARNING	Permissions on the file [filename] have changed from 0[mode] to 0600 as a result of this operation.	Permissions for the specified file is changed.
ERROR	failed gss_inquire_cred: [error message]	The status of a GSS credential. Return value: GSS_S_CREDENTIALS_EXPIRED – the credentials have expired. Credential information is still returned for an expired credential, but the lifetime value is returned as zero. GSS_S_DEFECTIVE_CREDENTIAL – the credentials are not valid. GSS_S_FAILURE – the routine failed for reasons that are not defined at the GSS level. The minor_status return parameter contains a mechanism-dependent error code describing the reason for the failure. GSS_S_NO_CRED – the cred_handle parameter does not refer to a valid credential or there are no default credentials available.
ERROR	failed gss_display_name: [error message]	The textual representation of an opaque internal name. The return value is one of the following status codes: SS_S_BAD_NAME – the provided name is invalid. GSS_S_BAD_NAME_TYPE – the internal name provided does not have an internal representation for any of the supported mechanisms. GSS_S_COMPLETE – the routine completed successfully. GSS_S_FAILURE – the routine failed for reasons that are not defined at the GSS level. The minor_status return parameter contains a mechanism-dependent error code describing the reason for the failure.
N/A	gss cred: "[GSS name]", [usage option], [lifetime]	The information about a GSS credential.
ERROR	failed gss_release_buffer: [error message]	The gss_release_buffer() function releases storage associated with a gss_buffer_t buffer. The routine failed for reasons that are not defined at the GSS level.
ERROR	failed gss_release_name: [error message]	The gss_release_name() function releases storage associated with a gss_name_t internal name. The return value is one of the following status codes: GSS_S_BAD_NAME – the specified name is invalid. GSS_S_COMPLETE – the routine completed successfully. GSS_S_FAILURE – the routine failed for reasons that are not defined at the GSS level. The minor_status return parameter contains a mechanism-dependent error code describing the reason for the failure.
ERROR	tkey-gssapi-credential ([GSS name]) should start with 'DNS'	The tkey-gssapi-credential doesn't start with "DNS/".



DNS Log Message Reference

Level	Log message	Message description
ERROR	Unable to initialise krb5 context	The <code>krb5_init_context()</code> function creates a new Kerberos context and initializes it with default values obtained from the Kerberos configuration file. Each application needs at least one Kerberos context. A context may be shared by multiple threads within the same process. Use the <code>krb5_free_context()</code> routine to release the context when it is no longer needed. If no errors occur, the return value is 0. Otherwise, a Kerberos error code is returned.
ERROR	Unable to get krb5 default realm	The <code>krb5_get_default_realm()</code> function returns the default realm for the local system. The default realm is set by the <code>krb5_set_default_realm()</code> routine. If the default realm has not been set, it is obtained from the <code>default_realm</code> entry in the <code>[libdefaults]</code> section of the Kerberos configuration file. If no errors occur, the return value is 0. Otherwise, a Kerberos error code is returned.
ERROR	tkey-gssapi-credentials ([GSS name])	The tkey-gssapi-credentials are badly formatted.
ERROR	default realm from krb5.conf ([realm]) does not match tkey-gssapi-credential ([GSS name])	The default realm in <code>/etc/krb5.conf</code> and the tkey-gssapi-credential bind config option don't match.
ERROR	failed gss_import_name: [error message]	The <code>gss_import_name()</code> function converts a printable name to the GSS internal format. The return value is one of the following status codes: <code>GSS_S_BAD_NAME</code> – the input name is not formatted properly or is invalid. <code>GSS_S_BAD_NAME_TYPE</code> – the name type specified by the <code>input_name_type</code> parameter is invalid. <code>GSS_S_COMPLETE</code> – the routine completed successfully. <code>GSS_S_FAILURE</code> – the routine failed for reasons that are not defined at the GSS level. The <code>minor_status</code> return parameter contains a mechanism-dependent error code describing the reason for the failure.
N/A	acquiring credentials for %s	Acquiring credentials for tkey-gssapi-credential.
N/A	acquiring credentials for ?	Acquiring credentials for tkey-gssapi-credential = NULL
ERROR	failed to acquire [[initiate]or[accept]] credentials for [[GSS name]or[?]]: [error message]	Cannot acquire initiate or accept credentials for tkey-gssapi-credential.
N/A	Acquired [[initiate]or[accept]] credentials for [[GSS name]or[?]]	Acquired 'initiate' or 'accept' credentials for tkey-gssapi-credential.
ERROR	failed releasing credential: [error message]	Cannot release a credential.



DNS Log Message Reference

Level	Log message	Message description
N/A	Failure initiating security context: [error message]	<p>The gss_init_sec_context() function initiates a security context for use by two communicating applications. The return value is one of the following status codes: GSS_S_COMPLETE – The routine completed successfully. GSS_S_FAILURE – the routine failed for reasons that are not defined at the GSS level. The minor_status return parameter contains a mechanism-dependent error code describing the reason for the failure. GSS_S_BAD_BINDINGS – the channel bindings are not valid. GSS_S_BAD_MECH – the request security mechanism is not supported. GSS_S_BAD_NAME – the target_name parameter is invalid. GSS_S_BAD_SIG – the input token contains an incorrect integrity check value.</p> <p>GSS_S_CONTINUE_NEEDED – to complete the context, the gss_init_sec_context() routine must be called again with a token created by the gss_accept_sec_context() routine.</p> <p>GSS_S_CREDENTIALS_EXPIRED – the supplied credentials are no longer valid. GSS_S_DEFECTIVE_CREDENTIAL – consistency checks performed on the credential failed. GSS_S_DEFECTIVE_TOKEN – consistency checks performed on the input token failed.</p> <p>GSS_S_DUPLICATE_TOKEN – the token is a duplicate of a token that has already been processed. GSS_S_NO_CONTEXT – the context handle provided by the caller does not refer to a valid security context. GSS_S_NO_CRED – the supplied credential handle does not refer to a valid credential, the supplied credential is invalid for context initiation, or there are no default credentials available. GSS_S_OLD_TOKEN – the token is too old to be checked for duplication against previous tokens which have already been processed.</p>
ERROR	failed gsskrb5_register_acceptor_identity([gssa pi_keytab]): [error message]	GSS Kerberos5. Registration of an acceptor failed for the specified reason.
INFO	[client]: GSS-TSIG authentication failed: NTLM negotiation not supported	NTLM negotiation is not supported and the mechanism may block while attempting to resolve services for an NTLMSSP_NEGOTIATE request.



DNS Log Message Reference

Level	Log message	Message description
ERROR	failed gss_accept_sec_context: [error message]	<p>The gss_accept_sec_context() function accepts a security context created by the context initiator. The return value is one of the following status codes: GSS_S_BAD_BINDINGS – the input_token parameter contains different channel bindings from those specified with the input_chan_bindings parameter. GSS_S_BAD_MECH – the security mechanism used by the context initiator is not available on the acceptor system. GSS_S_BAD_SIG – the received input token contains an incorrect signature. GSS_S_COMPLETE – the routine completed successfully. GSS_S_CONTINUE_NEEDED – control information in the returned output token must be sent to the initiator and a response must be received and passed as the input_token argument to a continuation call to the gss_accept_sec_context() routine. GSS_S_CREDENTIALS_EXPIRED – credentials are no longer valid. GSS_S_DEFECTIVE_CREDENTIAL – consistency checks performed on the credential structure referenced by the verifier_cred_handle parameter failed. GSS_S_DEFECTIVE_TOKEN – consistency checks performed on the input token failed. GSS_S_DUPLICATE_TOKEN – the token is a duplicate of a token that already has been processed. This is a fatal error during context establishment. GSS_S_FAILURE – the routine failed for reasons that are not defined at the GSS level. The minor_status return parameter contains a mechanism-dependent error code describing the reason for the failure. GSS_S_NO_CONTEXT – the context identifier provided by the caller does not refer to a valid security context. GSS_S_NO_CRED – No credentials are available or the credentials are valid for context initiation use only. GSS_S_OLD_TOKEN – the token is too old to be checked for duplication against previous tokens. This is a fatal error during context establishment.</p>
ERROR	failed gss_display_name: [error message]	<p>The gss_display_name() function returns the textual representation of an opaque internal name. The return value is one of the following status codes: SS_S_BAD_NAME – the provided name is invalid. GSS_S_BAD_NAME_TYPE – the internal name provided does not have an internal representation for any of the supported mechanisms. GSS_S_COMPLETE – the routine completed successfully. GSS_S_FAILURE – the routine failed for reasons that are not defined at the GSS level. The minor_status return parameter contains a mechanism-dependent error code describing the reason for the failure.</p>
N/A	gss-api source name (accept) is [GSS name]	The gss-api source name (accept) is a Kerberos principal name.
N/A	gss-api converted source name (accept) is [GSS name]	The gss-api source name (accept) is a DNS name.
ERROR	failed gss_release_buffer: [error message]	The gss_release_buffer() function releases storage associated with a gss_buffer_t buffer. The routine failed for reasons that are not defined at the GSS level.



DNS Log Message Reference

Level	Log message	Message description
ERROR	failed gss_release_name: [error message]	The gss_release_name() function releases storage associated with a gss_name_t internal name. The return value is one of the following status codes: GSS_S_BAD_NAME – the specified name is invalid. GSS_S_COMPLETE – the routine completed successfully. GSS_S_FAILURE – the routine failed for reasons that are not defined at the GSS level. The minor_status return parameter contains a mechanism-dependent error code describing the reason for the failure.
ERROR	Failure deleting security context [error message]	Cannot delete the context from the GSS provider
ERROR	[error message]: GSS-TSIG failure. Check configuration and clock synchronization.	The GSS-TSIG failure. Please check configuration and clock synchronization.
ERROR	GSS sign error: [error message]	The gss_get_mic() function generates a cryptographic signature for a message and returns this signature in a token that can be sent to a partner application. The partner application then calls the gss_verify_mic() routine to validate the signature. The return value is one of the following status codes: GSS_S_BAD_QOP – the requested quality of protection value is invalid. GSS_S_COMPLETE – the routine completed successfully. GSS_S_CONTEXT_EXPIRED – the referenced context has expired. GSS_S_CREDENTIALS_EXPIRED – the credentials associated with the referenced context have expired. GSS_S_FAILURE – the routine failed for reasons that are not defined at the GSS level. The minor_status return parameter contains a mechanism-dependent error code describing the reason for the failure. GSS_S_NO_CONTEXT – the context identifier provided by the caller does not refer to a valid security context.
ERROR	GSS verify error: [error message]	The gss_verify_mic() function verifies that the cryptographic signature for a message is correct. This ensures that the message has not been modified since the signature was generated. The return value is one of the following status codes: GSS_S_BAD_SIG – the input token contains an incorrect signature. GSS_S_COMPLETE – the routine completed successfully. GSS_S_CONTEXT_EXPIRED – the context identifier provided by the caller has expired. GSS_S_CREDENTIALS_EXPIRED – the credentials associated with the referenced context have expired. GSS_S_DEFECTIVE_CREDENTIAL – the credential is defective. GSS_S_DEFECTIVE_TOKEN – consistency checks performed on the input token failed. GSS_S_DUPLICATE_TOKEN – the token is a duplicate of a token that has already been processed. GSS_S_FAILURE – the routine failed for reasons that are not defined at the GSS level. The minor_status return parameter contains a mechanism-dependent error code describing the reason for the failure. GSS_S_GAP_TOKEN – One or more predecessor tokens have not been processed. GSS_S_NO_CONTEXT – the context identifier provided by the caller does not refer to a valid security context. GSS_S_OLD_TOKEN – the



DNS Log Message Reference

Level	Log message	Message description
		token is too old to be checked for duplication against previous tokens. This is a fatal error during context establishment.
INFO	GSS-TSIG key destroyed: [DNS name]	The GSS-TSIG key is destroyed: DNS name is converted to a string.
INFO	GSS-TSIG key destroyed	The GSS-TSIG key is destroyed: DNS name cannot be converted to a string.
ERROR	Failed to write GSS-TSIG counters: [error message]	Cannot write GSS-TSIG counters.
INFO	GSS-TSIG accept stats: [accept ok] ok, [accept fail] failed ([accept fail ntlmssp] NTLM, [accept fail no principal] principal, [accept fail no crypto] key, [accept_fail_integrity] integrity, [accept fail time] time	The GSS-TSIG counters accept the specified statistics values.
INFO	GSS-TSIG verify stats: [ok] ok, [fail] failed ([integrity] integrity, [time] time	The GSS-TSIG counters verify statistics values.



DNS Log Message Reference

Level	Log message	Message description
N/A	[client]: GSS-TSIG [message]	The content of gssd end reporting message.
WARNING	[file]:[line]: FOR TESTING ONLY (server: [server], value: [value])	This message is for testing purposes only.
N/A	view [view name]: [message]	View log module.
ERROR	failed to allocate primary selection cleanup event, skipping cleanup	Cannot allocate primary selection cleanup event, cleanup is skipped.
ERROR	failed to close primary selection file on shutdown: [error message]	Cannot close primary selection file on shutdown.
ERROR	could not construct primary selection file name: [error message]	Cannot construct a primary selection file name.
ERROR	could not create primary selection directory: [error message]	Cannot create a primary selection directory.
ERROR	could not open primary selection directory: [error message]	Cannot open a primary selection directory.
ERROR	could not close primary selection file: [error message]	Cannot close a primary selection file.
ERROR	isc_file_mktemplate() failed while doing primary selection file cleanup: [error message]	The isc_file_mktemplate() function failed while doing primary selection file cleanup.
ERROR	failed to create temporary file for primary selection file cleanup: [error message]	Cannot create temporary file for a primary selection file cleanup.
ERROR	failed to determine zone name while cleaning up primary selection file: [error message]	Cannot determine zone name while cleaning up primary selection file.
ERROR	failed to write to primary selection file after cleanup: [error message]	Cannot write to a primary selection file after a cleanup.



DNS Log Message Reference

Level	Log message	Message description
ERROR	could not close temporary file while doing primary selection file cleanup: [error message]	Temporary file cannot be closed while doing primary selection file cleanup.
WARNING	failed to close primary selection file for minimization: [warning message]	Cannot close primary selection file for minimization.
ERROR	could not replace old primary selection file with new one: [error message]	The old primary selection file cannot be replaces with the new one.
ERROR	could not open primary selection file: [error message]	Cannot open the primary selection file.
ERROR	failed to append newline to possibly truncated primary selection file: [error message]	Cannot append a newline to possibly truncated primary selection file.
WARNING	failed to minimize primary selection file: [warning message]	Cannot minimize a primary selection file.
ERROR	failed to format primary selection string while writing primary switch to [address] for zone [zone]: [error message]	Cannot format primary selection string while writing primary switch to primary address for a zone.
ERROR	failed to write primary switch to primary selection file: [primary selection]: [error message]	Cannot write primary switch to a primary selection file.
WARNING	too long record found in primary selection file	The record found in primary selection file appears to be too long.
WARNING	no newline at the end of primary selection record: [primary selection]	There is no newline at the end of a primary selection record.
WARNING	failed to parse primary selection record: [primary selection]	Cannot parse a primary selection record.
WARNING	failed to initialize zone name [zone name]: [warning message]	Cannot initialize a zone name.
WARNING	failed while searching for zone [zone] for primary selection persistency: [warning message]	Failure while searching for the specified zone for primary selection persistency.



DNS Log Message Reference

Level	Log message	Message description
WARNING	failed to recognize primary [IP address] for primary selection persistency	Cannot recognize primary for a primary selection persistency.
WARNING	failed to associate primary [IP address] with database based on persistent data: [warning message]	Cannot associate primary with the database based on persistent data.
WARNING	failed to associate primary [IP address] with last selection registration based on persistent data: [warning message]	Cannot associate primary with last selection registration based on a persistent data.
WARNING	failed to set primary [IP address] as current based on persistent data: [warning message]	Cannot set primary as a current based on persistent data.
ERROR	could not close primary selection file: [error message]	Cannot close primary selection file.
ERROR	could not load primary selection data from file: [error message]	Cannot load primary selection data from a file.
ERROR	failed to reopen/recreate primary selection	Cannot reopen or recreate a primary selection file for a zone.
ERROR	failed to close primary selection on disable: [error message]	Cannot close primary selection on disable.
WARNING	delete_node: dns_rbt_findnode(nsec): [warning message]	Cannot find the node while deleting the corresponding node from the auxiliary NSEC tree before deleting it from the main tree.
WARNING	delete_nsecnode(): dns_rbt_deletenode(nsecnode): [warning message]	The dns_rbt_deletenode() function failure while deleting the corresponding node from the auxiliary NSEC tree before deleting it from the main tree.



DNS Log Message Reference

Level	Log message	Message description
WARNING	delete_nsecnode(): dns_rbt_deletenode: [warning message]	Cannot delete the corresponding node from the auxiliary NSEC tree before deleting it from the main tree.
INFO	decrement_reference: failed to allocate pruning event	The decrement_reference() function failed to allocate pruning event. You can ignore this error case, but then the stale node will unlikely be purged except via a rare condition such as manual cleanup.
ERROR	previous_closest_nsec(): [error message]	There should always be a node in the main tree with the same name as the node in the auxiliary NSEC tree, except for nodes in the auxiliary tree that are awaiting deletion.
ERROR	rpz_findips findnode([DNS name]) failed: [error message]	Cannot find the node corresponding to CDIR tree entry.
INFO	disabled rpz [type] [policy] rewrite [DNS name] via [DNS name]	When RPZ Policy is disabled, the query is still being processed and result that includes information about what address could be overwritten is logged. The policy in a log message is declared as applied but the response is returned to a user without applying policy rules because it is disabled.
N/A	overmem cache: [[FORCE]or[check]] [node name]	The debug message for a cache. Check the specified node.
N/A	overmem cache: stale [node name]	This is debug message. the specified node is stale.
N/A	overmem cache: reprieve by RETAIN() [node name]	This is debug message. the specified node is reprieved.
N/A	overmem cache: saved [node name]	This is debug message. the specified node is saved.



DNS Log Message Reference

Level	Log message	Message description
WARNING	addnode: NSEC node already exists	The NSEC node already exists.
WARNING	loading_addrdataset: dns_rbt_deletenode: [NSEC result] after dns_rbt_addnode(NSEC): [node result]	If a node cannot be added to a tree, it is deleted and the reason of this error is the specified.
ERROR	Unable to determine MNAME for active primary.	Cannot determine MNAME for active primary.
WARNING	Active primary's MNAME has changed. Zone will be reloaded.	Active primary's MNAME is changed. Zone will be reloaded.
ERROR	ZRQ saw SOA whose name is not the origin.	Zone Replication Queue saws SOA which name is not the original.
ERROR	ZRQ metadata conversion failed for [ZRQ metadata]: '[conversion data]'	Zone Replication Queue metadata conversion from s string failed due to the specified reason.
ERROR	RQ data conversion failed for [ZRQ data] '[conversion data]'	Zone Replication Queue metadata conversion from s string failed.
ERROR	ZRQ has no RDATA to apply for [ZRQ data] '[data]'	Zone Replication Queue has no RDATA.
ERROR	ZRQ failed to determine TTL for add: [error message]	Zone Replication Queue failed to determine TTL for "add record" operation.
ERROR	ZRQ failed to determine TTL for delete: %s	Zone Replication Queue failed to determine TTL for "delete record" operation.
ERROR	Failed to update SOA MNAME to match active primary: [error message]	Cannot update SOA MNAME to match the active primary.
ERROR	ZRQ failed to apply ZRQ update to zone: [error message]	Zone Replication Queue (ZRQ) failed to apply ZRQ update to a zone.
INFO	ZRQ applying RESET for zone.	Zone Replication Queue applies RESET for a zone.
INFO	ZRQ applying [type] for zone.	Both COMMAND/DELETE and COMMAND/DISABLE mark the zone as read-only and it stops accepting updates. A read-only zone can be restored by a subsequent RESET or reload. Logically, this can only occur for a disabled zone as a deleted zone will not exist to reset/reload. But we treat DELETE/DISABLE as equivalent in BIND, distinguishing them only for clearer logging.
ERROR	ZRQ saw unexpected COMMAND type '[type]'	Zone Replication Queue saw the specified unexpected COMMAND type.



DNS Log Message Reference

Level	Log message	Message description
WARNING	ZRQ ignoring invalid type '[type]'	Zone Replication Queue ignoring the specified invalid COMMAND type.
ERROR	ZRQ operation '[operation]' is unknown.	Zone Replication Queue operation is unknown.
ERROR	ZRQ failed to apply [[ADD] or[DELETE]] for '[reverse name()': [ttl] IN [command type] [data] ([[meta]or[none]])]	Zone Replication Queue failed to apply "ADD" or "DELETE" for reverse name.
INFO	ZRQ applied to apply [[ADD] or[DELETE]] for '[reverse name()': [ttl] IN [command type] [data] ([[meta]or[none]])]	Zone Replication Queue applies "ADD" or "DELETE" for reverse name.
ERROR	Zone serial ([old SOA serial]) can not be incremented to ZRQ transaction serial ([new SOA serial]). Zone will be reloaded.	Zone serial cannot be incremented to Zone Replication Queue transaction serial. Zone will be reloaded.
WARNING	Mismatch between updated SOA serial ([new SOA serial]) and transaction SOA serial ([SOA serial]). Transaction SOA serial ignored.	Mismatch between updated SOA serial and transaction SOA serial. Transaction SOA serial ignored.
WARNING	ZRQ transaction did not include SOA serial update. Zone is signed and will be reloaded.	Zone Replication Queue transaction did not include SOA serial update. Zone is signed and will be reloaded.
WARNING	ZRQ transaction did not include SOA serial update. Incrementing serial.	Zone Replication Queue transaction did not include SOA serial update. Incrementing serial.
INFO	ZRQ ignored transaction [transaction id]. The zone was already read-only and was not changed."	Zone Replication Queue ignored transaction. The zone was already read-only and was not changed.
WARNING	ZRQ updating zone without a journal.	ZRQ updates zone without a journal.
INFO	ZRQ applied transaction [transaction ID] with SOA serial [SOA serial]. Zone version is now [version]"PRlu64".	Zone Replication Queue applies transaction with an SOA serial. New zone version is displayed.
INFO	ZRQ applied transaction [transaction id]. Zone version is now [version]"PRlu64".	Zone Replication Queue applies transaction. New zone version is displayed.
INFO	Saw ZRQ command to reload all zones.	Saw Zone Replication Queue command to reload all zones.
INFO	ZRQ processing suspended until zone has loaded.	Zone Replication Queue processing suspended until zone is loaded.
ERROR	Cannot obtain zonedb: [error message]	Cannot obtain zonedb.



DNS Log Message Reference

Level	Log message	Message description
ERROR	ZRQ transaction unusable: zone ID ([zone id]"PRIu64") in transaction does not match the zone ID ([zone id]"PRIu64") being served by named. Reload required	Zone Replication Queue transaction unusable: zone ID in transaction does not match the zone ID being served by named. Reload required.
INFO	ZRQ applying transaction [transaction id]: RESET for disabled zone.	Zone Replication Queue applies RESET transaction for disabled zone.
INFO	ZRQ ignored transaction [transactionid] for disabled zone.	Zone Replication Queue ignores transaction for disabled zone.
INFO	version ([zone version]"PRIu64") is not more recent than the zone version ([zone version]"PRIu64").	Zone Replication Queue transaction ignored because the transaction version is not more recent than the zone version.
INFO	Transaction zone version ([zone version]"PRIu64") is more recent than current zone version ([zone version]"PRIu64").	Transaction zone version is more recent than the current zone version.
ERROR	Transaction zone version ([zone version]"PRIu64") does not follow current zone version ([zone version]"PRIu64")	Transaction zone version does not follow current zone version.
INFO	ZRQ applying transaction [transaction id]	Zone Replication Queue applies each item in the transaction in sequence.
ERROR	ZRQ transaction [transaction id] failed to apply: [error message]	Zone Replication Queue failed to apply each item in the transaction in sequence.
INFO	Starting reload for all zones.	Starting reload for all zones.
INFO	There is a pending ZRQ RESET. All zones will be redumped.	There is a pending Zone Replication Queue RESET. All zones will be redumped.
INFO	ached zone invalidated: view configuration has changed.	Cached zone invalidated: view configuration has changed.
INFO	Cached zone invalidated: not previously a zone of interest.	Cached zone invalidated: not previously a zone of interest.
WARNING	Cached zone invalidated: no longer disabled.	Cached zone invalidated: no longer disabled.
WARNING	Cached zone invalidated: validation cache not loaded.	Cached zone invalidated: validation cache not loaded.



DNS Log Message Reference

Level	Log message	Message description
WARNING	Cached zone invalidated: cannot obtain zone version/ID.	Cached zone invalidated: cannot obtain zone version/ID.
INFO	Cached zone invalidated: not a zone of interest.	Cached zone invalidated: not a zone of interest.
ERROR	Cached zone invalidated: zone version not found.	Cached zone invalidated: zone version not found.
ERROR	Cached zone invalidated: zone ID not found.	Cached zone invalidated: zone ID not found.
INFO	Cached zone invalidated: DB zone version ([version]) is not the same as cached zone version ([version]).	Cached zone invalidated: DB zone version is not the same as cached zone version.
INFO	Cached zone invalidated: DB zone ID ([version]) is not the same as cached zone ID ([version]).	Cached zone invalidated: DB zone ID is not the same as cached zone ID.
INFO	Cached zone invalidated: zone version in ZRQ transaction ([version]) does not follow zone version in cached zone ([version]).	Cached zone invalidated: zone version in Zone Replication Queue transaction does not follow zone version in cached zone.
INFO	Cached zone invalidated: ZRQ RESET found for zone.	Cached zone invalidated: Zone Replication Queue RESET found for zone.
ERROR	Zone version mismatch ([zone version]"PRIu64" != [zone version]"PRIu64"). Reloading zone.	Zone version mismatch. Reloading zone.
ERROR	[filename]: seek: [error message]	Cannot find a journal file.
ERROR	[filename]: read: [error message]	Cannot read from a journal file.
ERROR	[filename]: write: [error message]	Cannot write into a journal file.
ERROR	[filename]: flush: [error message]	Cannot make a flush operation for a journal file
ERROR	[filename]: fsync: [error message]	Cannot make a fsync operation for a journal file.
ERROR	[filename]: create: [error message]	Cannot open a journal file.



DNS Log Message Reference

Level	Log message	Message description
ERROR	[filename]: write: [error message]	Cannot write into a journal file.
ERROR	[filename]: close: [error message]	Cannot close a journal file.
ERROR	[filename]: open: [error message]	Cannot open a journal file.
ERROR	[filename]: journal format not recognized	The journal format is not recognized.
ERROR	[filename]: journal file corrupt: expected serial [serial], got [serial] ----- OR ----- (journal_next)[filename]: journal file corrupt: expected serial [serial], got [serial]	Serial number of journal file is corrupt.
ERROR	[filename]: offset too large	An wraparound offset value is too large for a journal.
ERROR	[filename]: malformed transaction: [SOA serial number] SOAs	Consistency check issue. Malformed transaction for a journal related to SOA.
ERROR	[filename]: malformed transaction: serial number would decrease	Consistency check issue. Malformed transaction for a journal: serial number would decrease.
ERROR	malformed transaction: [filename] last serial [serial] != transaction first serial [serial]	Consistency check issue. Malformed transaction for a journal: last serial is not equal to the transaction first serial.
INFO	(informational) Gap in journal [filename] (last serial [serial] != transaction first serial [serial]), which will be reset.	There is a gap in the journal: last serial is not equal transaction first serial. The serial will be reset.



DNS Log Message Reference

Level	Log message	Message description
ERROR	[filename]: journal file corrupt: missing initial SOA	The journal file is corrupt: the initial SOA is missing.
ERROR	journal open failure: [error message]: [filename]	Journal open failure.
ERROR	[filename]: journal file corrupt: missing initial SOA	The journal file is corrupt: missing initial SOA.
ERROR	[filename]: cannot print: journal file corrupt	The journal cannot be printed: journal file is corrupt.
ERROR	[filename]: journal corrupt: empty transaction	The journal is corrupt: empty transaction.
ERROR	[filename]: journal file corrupt: expected serial [serial], got [serial] ----- OR ----- (read_one_rr)[filename]: journal file corrupt: expected serial [serial], got [serial]	The journal file is corrupt: received serial number does not match an expected value.
ERROR	[filename]: journal corrupt: impossible RR size ([number] bytes)	The journal file is corrupt: incorrect Resource Record size is encountered.
ERROR	dumping to primary file: [filename]: flush: [error message]	Dumping to a primary file failed due to a flush operation.
ERROR	dumping to stream: flush: [error message]	Dumping to a stream failed due to a flush operation.
ERROR	dumping to primary file: [filename]: fsync: [error message]	Dumping to a primary file failed due to a fsync operation.



DNS Log Message Reference

Level	Log message	Message description
ERROR	dumping to stream: fsync: [error message]	Dumping to a stream failed due to a fsync operation.
ERROR	dumping primary file: [filename]: fclose: [error message]	Dumping to a primary file failed due to a fclose operation.
ERROR	dumping primary file: rename: [filename]: [error message]	Dumping to a primary file failed due to a rename operation.
INFO	dumping primary file in raw format: stdtime is not 32bits	Dumping a primary file in raw format failed because isc_stdtime_t datatype is not a 32-bit integer.
ERROR	dumping primary file: [filename]: open: [error message]	Dumping to a primary file failed because of open file operation.
ERROR	dumping node to file: [filename]: open: [error message]	Dumping a node to file failed because of open file operation.
ERROR	dumping primary file: [filename]: dump: [error message]	Dumping to a primary file failed because of dump file operation.
ERROR	dumping primary file: [filename]: close: [error message]	Dumping to a primary file failed because of close file operation.
WARNING	[function name] failed	Failure of an the specified function.
INFO	[error message]:[file]:[Line in file]:[data in line]	Detailed information about the error: error message, file, line in file, data in line.
WARNING	delete_node: dns_rbt_findnode(nsec): [warning message]	Cannot find the corresponding node from the auxiliary NSEC tree before deleting it from the main tree.



DNS Log Message Reference

Level	Log message	Message description
WARNING	delete_nsecnode(): dns_rbt_deletenode(nsecnode): [warning message]	The corresponding node found in the auxiliary NSEC tree before deleting it from the main tree.
WARNING	delete_nsecnode(): dns_rbt_deletenode: [warning message]	Cannot delete the corresponding node from the auxiliary NSEC tree before deleting it from the main tree.
INFO	decrement_reference: failed to allocate pruning event	The decrement_reference() function: Cannot allocate a pruning event.
ERROR	previous_closest_nsec(): [error message]	Cannot find the node of the NSEC/NSEC3 record.
ERROR	rpz_findips findnode([DNS name]) failed: [error message]	Cannot find the node corresponding to CDIR tree entry.
INFO	disabled rpz [type] [policy] rewrite [DNS name] via [DNS name]	When RPZ Policy is disabled, the query is still being processed and result that includes information about what address could be overwritten is logged. The policy in a log message is declared as applied but the response is returned to a user without applying policy rules because it is disabled.
N/A	overmem cache: [[FORCE]or[check]] [node name]	The debug message for a cache. Check the specified node.
N/A	overmem cache: stale [DNS name]	The debug message for a cache. the specified node is stale.



DNS Log Message Reference

Level	Log message	Message description
N/A	overmem cache: reprieve by RETAIN() [DNS name]	The debug message for a cache. the specified node is reprieved.
N/A	overmem cache: saved [DNS name]	The debug message for a cache. the specified node is saved.
WARNING	addnode: NSEC node already exists	NSEC node already exists.
WARNING	loading_addrdataset: dns_rbt_deletenode: [NSEC result] after dns_rbt_addnode(NSEC): [node result]	If a node cannot be added to a tree, it is deleted and the reason of this error is indicated.
N/A	clients-per-query increased to [number]	The new (increased) number of recursive simultaneous clients for any given query that the server accepts.
INFO	success resolving '[ctx info]' (in '[DNS name]?') after [ctx reason]	Deferred Extension Mechanisms for DNS (EDNS) timeout message.
INFO	error ([reason][[or[]][code]] resolving '[DNS name]/[record data type]/[record data class]': [socket address]	Servers are added to the list of bad servers.
INFO	lame server resolving '[DNS name]' (in '[DNS name]?'): [socket address]	The name servers specified as authoritative for this domain's zone are not actually authoritative.
WARNING	Check-names [[failure]or[warning]] [DNS name]/[record data type]/[record data class]	This is an error or warning issued during RR dataset check. The details regarding DNS record name, RR dataset type and RR dataset class are indicated.
N/A	answer address [net address] denied for [DNS name]/[record data type]/[record data class]	The client address is filtered according to the rules of the exclusion list. Client address and DNS record name are indicated.



DNS Log Message Reference

Level	Log message	Message description
N/A	[record data type] target [DNS name] denied for [DNS name]/[record data class]	Cannot apply filters on the specified target name.
N/A	received NSID '[hex version of the NSID]' from [socket address]	DNS Name Server Identifier received.
N/A	received packet:\n%. [length of line in multiline debug messages]	The amount of memory left in a buffer after receiving a packet.
ERROR	could not mark server as lame: [error message]	Cannot mark server as lame for the specified reason.
N/A	enforced delegation-only for '[DNS name]' ([DNS name]/[record data type]/[record data class]) from [socket address]	Delegations is enforced only for NET and COM zones.
N/A	clients-per-query decreased to [count]	The new (decreased) number of recursive simultaneous clients for any given query that the server accepts.
N/A	createfetch: [DNS name] [record data type]	DNS resolver creates the specified fetch.



DNS Log Message Reference

Level	Log message	Message description
INFO	fetch completed at [file]:[line] for [info] in [duration]. 06[duration] : [result]/[vresult] [domain:[DNS name],referral:[number],restart:[number],qrysens:[number], timeout:[number],lame:[number],neterr:[number],badresp:[number],adberr:[number],findfail:[number],valfail:[number]	A log message is dumped on internal state at the completion of the specified resolver fetch.
WARNING	extra data in root hints [[filename]or [<BUILT-IN>]]	Extra data detected in root hints from the file specified.
WARNING	checkhints[separator][view name]: [DNS name]/[record data type] ([data]) missing from hints	Cannot find hint server for the specified DNS view and a record.
WARNING	checkhints[separator][view name]: [DNS name]/[record data type] ([data]) extra record in hints	The hints query returned extra records. It might happen when one of the root server changes an IP address but the server is still working at the old IP. Since both servers answered, you receive extra records.
WARNING	heckhints[separator][view name]: unable to get root NS rreset from hints: [warning message]	Cannot find root NS rreset from hints due to the specified reason.
WARNING	checkhints[separator][view name]: unable to get root NS rreset from cache: [warning message]	Cannot find root NS rreset from a cache due to the specified reason.



DNS Log Message Reference

Level	Log message	Message description
WARNING	checkhints[separator][view name]: unable to find root NS '[DNS name]' in hints	Cannot find root NS in hints.
WARNING	checkhints[separator][view name]: extra NS '[DNS name]' in hints	Extra NS records are found in hints. That usually happens when a root server changes an IP address.
N/A	invalid rpz IP address "[DNS name]"[message1][message2]	The Response policy zone (RPZ) has an invalid IP address.
ERROR	rpz add failed; "[DNS name]" is a duplicate name	Cannot add an IP address to the radix tree of a response policy database. DNS name is a duplicate name.
ERROR	sdlez newversion on origin [DNS name] failed : [error message]	The SDLZ driver new version() function failed to start a new 'transaction'.
ERROR	sdlez closeversion on origin [DNS name] failed	The SDLZ driver cancels the transaction.
ERROR	sdlez getoriginnode failed : [error message]	The SDLZ driver getoriginnode() function failed with the specified error.
ERROR	SDLZ driver failed to load.	The SDLZ driver failed to load.
N/A	ssu_external: socket path '[path]' longer than system maximum [length]	The implementation of simple secure update rules for external application: socket path is longer than a system maximum value.
N/A	ssu_external: unable to create socket – [error message]	The implementation of simple secure update rules for external application: Cannot create a socket.
N/A	ssu_external: unable to connect to "socket '[path]' – [error message]	The implementation of simple secure update rules for external application: Cannot to connect to a socket.
N/A	ssu_external: invalid socket path '[DNS name]'	The implementation of simple secure update rules for external application: invalid socket path.
N/A	ssu_external: unable to send request - [error message]	The implementation of simple secure update rules for external application: Cannot send request.
N/A	ssu_external: unable to receive reply - [error message]	The implementation of simple secure update rules for external application: Cannot receive a reply.
N/A	ssu_external: denied external auth for '[DNS name]'	The implementation of simple secure update rules for external application: denied external authentication for a requested element.
N/A	ssu_external: allowed external auth for '[DNS name]'	The implementation of simple secure update rules for external application: allowed external authentication for requested element.



DNS Log Message Reference

Level	Log message	Message description
N/A	ssu_external: invalid reply 0x[reply]	The implementation of simple secure update rules for external application: invalid reply.
N/A	process_dhtkey: tkey-dhkey not defined	The process_dhtkey() function error: TKEY that was designed to generate a shared secret using a Diffie-Hellman key exchange is not defined.
N/A	process_dhtkey: algorithms other than hmac-md5 are not supported	The process_dhtkey() function error: algorithms other than hmac-md5 are not supported.
N/A	process_dhtkey: found an incompatible key	The process_dhtkey() function error: an incompatible Diffie-Hellman key is found.
N/A	process_dhtkey: failed to find a key	The process_dhtkey() function error: Cannot find a Diffie-Hellman key.
N/A	process_dhtkey: failed to compute shared secret: [error mmessage]	The process_dhtkey() function error: Cannot compute a shared secret.
N/A	process_dhtkey: failed to obtain entropy: [error message]	The process_dhtkey() function error: Cannot obtain entropy.
N/A	process_gsstkey(): no tkey-gssapi-credential or tkey-gssapi-keytab configured	You have to define either a gss credential (principal) to accept with tkey-gssapi-credential, or you have to configure a specific keytab (with tkey-gssapi-keytab) in order to use gsstkey.
ERROR	process_gsstkey(): dns_tsigerror_badalg	The process_gsstkey() function error: invalid algorithm for GSS-TSIG is found.
ERROR	process_gsstkey(): dns_tsigerror_badkey	The process_gsstkey() function error: invalid key for GSS-TSIG is found.
ERROR	process_gsstkey(): dns_tsigerror_noerror	The process_gsstkey() function finished successfully.
N/A	process_gsstkey(): [message]	The process_gsstkey() function failed with the specified error.
N/A	dns_tkey_processquery: couldn't find a TKEY matching the question	The dns_tkey_processquery() function error: failed to find a TKEY that match the question.
N/A	properly signed - rejecting	The dns_tkey_processquery() function error: query was not properly signed thus rejected.
N/A	dns_tkey_processquery: tkey-domain not set	The dns_tkey_processquery() function error: tkey-domain is not set.
ERROR	ns_tkey_processdhresponse: tkey mode invalid or error set(1)	The dns_tkey_processdhresponse() function error: tkey mode invalid or error set(1).
N/A	dns_tkey_processdhresponse: failed to find server key	The dns_tkey_processdhresponse() function error: Cannot find a server key.
ERROR	dns_tkey_processgssresponse: tkey mode invalid or error set(2)	The dns_tkey_processgssresponse() function error: tkey mode invalid or error set(2).
ERROR	ns_tkey_processdeleteresponse: tkey mode invalid or error set(3)	The dns_tkey_processgssresponse() function error: tkey mode invalid or error set(3).
ERROR	dns_tkey_processdhresponse: tkey mode invalid or error set(4)	The dns_tkey_processgssresponse() function error: tkey mode invalid or error set(4).



DNS Log Message Reference

Level	Log message	Message description
N/A	tsig key '[DNS name]' ([DNS name]): [message]	The information about TSIG key.
N/A	tsig key '[DNS name]': [message]	The information about TSIG key.
INFO	the key '[DNS name]' is too short to be secure	The specified TSIG key is too short to be secure.
N/A	tsig expire: deleting	TSIG key is expired and deleted.
N/A	key name and algorithm do not match	The TSIG key name and algorithm does not match the query.
N/A	unknown key	Cannot find TSIG key based on keyname.
N/A	signature has expired	TSIG has expired.
N/A	signature is in the future	TSIG will be use in the future.
N/A	signature length to big	TSIG length is too long.
N/A	signature length below minimum	TSIG length is below minimum size.
N/A	truncated signature length too small	The truncated TSIG length is too small.
N/A	signature length too small	TSIG length is too short.
N/A	signature failed to verify(1)	TSIG failed to be verified.
N/A	signature was empty	TSIG is empty.
N/A	key name and algorithm do not match	The TSIG key name and algorithm does not match the query.
N/A	signature has expired	TSIG is expired.
N/A	signature is in the future	TSIG will be use in the future.
N/A	signature is empty	TSIG is empty.
N/A	signature failed to verify(2)	TSIG failed to be verified.
ERROR	secure zone with no NSECs	Secure zone does not contain NSEC resource records.
ERROR	found no active private keys, unable to generate any signatures	Cannot generate signatures because no active private keys are found.
ERROR	could not get zone keys for secure dynamic update	Cannot get zone keys for a secure dynamic update.
WARNING	must be secure failure, no DS and this is a delegation	When the DS record doesn't exist and the query name corresponds to a delegation point you are transitioning from a secure zone to an unsecure zone.



DNS Log Message Reference

Level	Log message	Message description
WARNING	must be secure failure, no DS and this is a delegation	The absence of the DS record and the fact that query name corresponds to a delegation point proposes that a zone is unsecure.
INFO	bad cache hit ([DNS name]/[record datatype])	The DNS resolver bad cache hit.
INFO	accepted expired %sRRSIG (keyid=%u), wildcard :	An expired RR signature with the specified key for the record dataset is accepted.
INFO	verify failed due to bad signature (keyid=[key id]): [info message]	The rdataset verification failed due to a bad signature key received.
INFO	no valid signature found	The rdataset verification failed because no valid signature is found.
WARNING	must be secure failure, no supported algorithm/digest (dlv)	DNS validator security failure: no supported DNSSEC Lookaside Validation (DLV) Resource Record (RR) Type Digest Algorithms.
WARNING	must be secure failure, not beneath secure root	DNS validator security failure: the key is not signed by a trusted key.
N/A	unable to find a DNSKEY which verifies the DNSKEY RRset and also matches a trusted key for '[DNS name]'	Cannot find DNSKEY which verifies the DNSKEY RRset and also matches the specified trusted key.
N/A	please check the 'trusted-keys' for '[DNS name]' in named.conf.	The key to verify this DNSKEY RRset is nor found. Since it is a secure entry point (SEP) one has to assume that the RRset is invalid.
WARNING	must be secure failure, insecure DS	DNS validator security failure: insecure DS set.
WARNING	must be secure failure, no supported algorithm/digest (DS)	DNS validator security failure: no supported Delegation Signer (DS) Resource Record (RR) Type Digest Algorithms.
INFO	no valid signature found (DS)	No valid signature is found for Delegation Signer (DS).
WARNING	[DNS name] is under DLV (startfinddlvsep)	Possible security failure. Cannot track secure delegation. For more information, see RFC 4431.
WARNING	must be secure failure, [DNS name] is under DLV (finddlvsep)	Possible security failure. Cannot track secure delegation. For more information, see RFC 4431.
WARNING	must be secure failure, not beneath secure root	Possible security failure. Cannot check signed parent. For more information, see RFC 4431.



DNS Log Message Reference

Level	Log message	Message description
WARNING	must be secure failure at '[DNS name]', can't fall back to DLV	Possible security failure. Cannot find a source, defined by the dnssec-lookaside statement. For more information, see RFC 4431.
WARNING	must be secure failure, no DS at zone cut	DNS validator failed. There is no Delegation Signer (DS) at a zone cut.
WARNING	can't validate existing negative responses (no DS)	DNS validator failed to validate existing negative responses (no Delegation Signer (DS)).
WARNING	must be secure failure, [DNS name] is a delegation	DNS validator failure. DNS name is a delegation.
WARNING	must be secure failure, no supported algorithm/ digest ([DNS name]/DS)	DNS validator failed. There is no supported Delegation Signer (DS).
WARNING	can't validate existing negative responses (not a zone cut)	DNS validator cannot validate existing negative responses (not a zone cut).
INFO	got insecure response; parent indicates it should be secure	DNS validator receives an insecure response when parent indicates it should be secure.
N/A	[*]validating @[validator]: [DNS name] [record datatype]: [message]	Logged information of DNS validator.
N/A	[*]validator @[validator]: [message]	Logged information of DNS validator.
ERROR	got incremental response to AXFR request	Incremental Zone Transfers (IXFR) received an incremental response to AXFR request.
ERROR	non-SOA response to SOA query	Response to SOA query does not contain SOA.
ERROR	first RR in zone transfer must be SOA	There is only one SOA record allowed in a zone file and it must be the first RR in the zone.
ERROR	IXFR out of sync: expected serial [current serial], got [SOA serial]	The IXFR client is out of sync with the IXFR server because of an unexpected serial received.
INFO	resetting	Zone Transfer reset.
ERROR	[message]: [error message]	Information regarding failed Zone Transfer.
INFO	connected using [socket address]	The XFR is connected using the specified socket.



DNS Log Message Reference

Level	Log message	Message description
INFO	Transfer completed: [count] messages, [count] records, [count] bytes, [count] secs ([count] bytes/sec)	Information regarding completed transfer.
N/A	transfer of '[zone]' from [primary]: [message]	Incoming zone transfer messages are logged in a following format: "transfer of <zone> from <address>: <message>"
INFO	// "set latency check to +[count] sec from now", delay);	-----
ERROR	failed to cleanup file [filename]	Cannot cleanup a zone file.
ERROR	[function]: Error converting mname to internal format: [error message]	Cannot convert SOA mname to internal format.
ERROR	[function]: Error creating new DB version: [error message]	Cannot create new DNS DB version.
ERROR	[function]: Error creating DEL difftuple: [error message]	Cannot create DNS DEL difftuple for a Resource Record.
ERROR	[function]: Error creating ADD difftuple: [error message]	Cannot create DNS ADD difftuple for a Resource Record.
ERROR	[function]: Error obtaining SOA from rdata: [error message]	Cannot convert the SOA to a structure that you can change.
ERROR	[function]: Error creating SOA rdata: [error message]	Cannot create SOA record data.
ERROR	[function]: Error applying DEL difftuple: [error message]	Cannot apply DNS DEL difftuple for a Resource Record.
ERROR	[function]: Error applying ADD difftuple: [error message]	Cannot apply DNS ADD difftuple for a Resource Record.



DNS Log Message Reference

Level	Log message	Message description
ERROR	[function]: Error writing zone dump and removing journal: [error message]	Cannot write zone dump and remove journal.
ERROR	[function]: No address-to-vnode table	Cannot obtain the vnode OID corresponding to the specified IP address.
ERROR	[function]: Error obtaining vnode from primary IP [primary IP]: [error message]	Cannot obtain the vnode from the specified primary IP.
ERROR	[function]: No vnode found for primary IP [primary IP]: [error message]	No vnode is found for the specified primary IP.
WARNING	failed to reset AXFR clients tracker used for multiprimary consistency (IXFR won't be impossible for the zone): [warning message]	Cannot reset AXFR clients tracker used for multiprimary consistency (IXFR won't be impossible for the zone).
ERROR	assumption violation: zdb is expected but isn't	Assumption violation: DNS zone is not zdb.
ERROR	zone has no view	The zone has no view.
ERROR	failed to determine zone name while registering primary switch: [error message]	Cannot determine zone name when registering the specified primary switch.
WARNING	failed to update SOA mname; primary switch not completed: [warning message]	Cannot update SOA mname, the specified primary switch is not completed.
INFO	initially selected primary [current server]	The specified initial primary is selected.
ERROR	failed to change primaryfile name: zone dump in progress	Cannot change zone primaryfile name because zone dump is in progress.
ERROR	journal rollforward failed: [error message]	Zone's journal rollforward failure.
ERROR	journal rollforward failed: " journal out of sync with zone	Zone's journal rollforward failure: zone's journal is out of sync with the zone.
ERROR	Error reloading zone from DB: [error message]; possibly obsolete zone data will be used.	Cannot reload zone from the specified DB: possibly obsolete zone data will be used.



DNS Log Message Reference

Level	Log message	Message description
WARNING	zone file cleanup requested; cleaning up	Zone file cleanup is requested, cleanup is in process.
ERROR	"primary file is not configured	The primary file is not configured.
INFO	ZDB is non-persistent (envvar INFOBLOX_ZDB_PERSISTENT). Forcing redump for primaryfile '[zone primary file]	ZDB is non-persistent (environment variable INFOBLOX_ZDB_PERSISTENT). Forcing redump for the specified primaryfile.
WARNING	ZDB primaryfile '[zone primaryfile]' is not available. Redump required.	ZDB primaryfile is not available. Redump is required.
ERROR	loading zone: creating database: [error message]	Cannot create database while loading zone.
ERROR	loading zdb zone: initial load error: [error message]	The specified initial load error appears during loading of ZDB zone.
WARNING	zdb zone is loaded from a file non-incrementally; forcing redump	This is an unexpected case and should not happen. For initial load only incremental loading is done because any reload requires redump, and on reconfig (in case of transition to HA active) no new zone is added. If this warning is logged, please contact technical support.
ERROR	loading zone for incremental signing: retrieve label: [error message]	Cannot retrieve the specified label when loading zone for an incremental signing.
ERROR	loading zone for incremental signing: zdb from onedb: [error message]	Cannot load zdb zone for incremental signing from OneDB. Records that are required to sign the name are the specified.
ERROR	loading zone: no primary file configured	Primary file is not configured when a zone is being loaded.
INFO	loading zone: no primary file configured: continuing	Primary file is not configured when a zone is being loaded. Loading is continued.
ERROR	loading zone: Rescheduling zone loading during zone dump failed: [error message]	Cannot reschedule a zone loading during zone dump.
N/A	[DNS name]/MX '[DNS name]' has no address records (A or AAAA)	The MX record check finds that Zone/MX has no address records (A or AAAA).
N/A	[DNS name]/MX '[DNS name]' is a CNAME (illegal)	The MX record check finds that Zone/MX is a CNAME record that is illegal.



DNS Log Message Reference

Level	Log message	Message description
N/A	[DNS name]/MX '[DNS name]' is below a DNAME '[DNS name]' (illegal)	The MX record check finds that Zone/MX is below DNAME record that is illegal.
N/A	[DNS name]/SRV '[DNS name]' has no address records (A or AAAA)	The MX record check finds that Zone/SRV has no address records (A or AAAA).
N/A	[DNS name]/SRV '[DNS name]' is a CNAME (illegal)	The SVR record check finds that Zone/SRV is CNAME record that is illegal.
N/A	[DNS name]/SRV '[DNS name]' is below a DNAME '[DNS name]' (illegal)	The SVR record check finds that Zone/SRV is below DNAME record that is illegal.
N/A	address records (A or AAAA)	The Glue record check finds that Zone/NS has no address records (A or AAAA).
N/A	[DNS name]/NS '[DNS name]' is a CNAME (illegal)	The Glue record check finds that Zone/NS is CNAME record that is illegal.
N/A	[DNS name]/NS '[DNS name]' is below a DNAME '[DNS name]' (illegal)	The Glue record check finds that Zone/NS is below DNAME record that is illegal.
N/A	semantically identical records	Zone has semantically identical records.
WARNING	weak [algorithm] ([dns key algorithm]) key found (exponent=3)	RSA keys with exponent 3 is found.
ERROR	zone_signwithkey failed: [error message]	Cannot sign a zone with a key.
INFO	zone_addnsec3chain([hash algorithm],[flags],[iterations],[salt])	Internal parameters of zone_addNSEC3chain() function.
ERROR	zone_addnsec3chain failed: [error message]	Cannot incrementally add a NSEC3 chain to a zone.
ERROR	nsec3param lookup failure: [error message]	NSEC3 parameters lookup failed during NSEC3 parameters check.
ERROR	nsec3param lookup failure: [error message]	NSEC3 parameters lookup failed during NSEC3 parameters check.
WARNING	nsec3 test \"unknown\" hash algorithm found: [hash algorithm]	The unknown hash algorithm is found during NSEC3 parameters check.



DNS Log Message Reference

Level	Log message	Message description
ERROR	unsupported nsec3 hash algorithm in dynamic zone: [hash algorithm]	The unsupported NSEC3 hash algorithm is found in dynamic zone during NSEC3 parameters check.
WARNING	unsupported nsec3 hash algorithm: [hash algorithm]	The unsupported NSEC3 hash algorithm is found during NSEC3 parameters check.
ERROR	no supported nsec3 hash algorithm	A supported NSEC3 hash algorithm for a zone is not found.
ERROR	No valid trust anchors for '[DNS name]'	There is no valid trust anchors for a key table.
ERROR	[number of revoked keys] key(s) revoked, [number of pending keys] still pending	Number of key(s) revoked and still pending.
ERROR	All queries to '%s' will fail	All queries to key tables will fail.
ERROR	[error message]:dns_journal_open -> %s	Cannot open zone journal file.
ERROR	Resetting journal "[journal file]"	Resetting zone journal.
ERROR	Error unlinking journal file "journal file" for reset: [error message]	Cannot unlink zone journal file for a reset.
ERROR	[caller]:dns_journal_write_transaction -> [error message]	Cannot write a set of changes applied to a zone to a journal.
ERROR	add_soa:dns_db_newversion -> [error message]	Cannot open a new version of a database for reading and writing when creating an SOA record for a newly-created zone.
ERROR	add_soa:dns_soa_buildrdata -> [error message]	Cannot build SOA record data when creating an SOA record for a newly-created zone.
ERROR	sync_keyzone:dns_db_newversion -> [error message]	Cannot open a new version of database for reading and writing when synchronizing the set of initializing keys found in managed-keys {} statements with the set of trust anchors found in the managed-keys.bind zone.
ERROR	loading from primary file [primary file] failed: [error message]	Cannot load from a primary file.
N/A	loading from primary file [primary file] failed: [error message]	Cannot load from a primary file.
ERROR	journal rollforward failed: [error message]	Zone's journal rollforward failed.



DNS Log Message Reference

Level	Log message	Message description
ERROR	journal rollforward failed: journal out of sync with zone	Zone's journal rollforward failed: zone's journal is out of sync with a zone.
ERROR	could not find NS and/or SOA records	No NS and/or SOA records are found.
INFO	journal file is out of date: removing journal file	Zone journal file is out of date. Attempt to remove zone journal file.
WARNING	unable to remove journal '[journal]': '[error message]'	Cannot remove the specified zone journal.
ERROR	as [count] SOA records	Zone has more than one SOA record. There should be only one.
ERROR	has no NS records	Zone has no NS records.
INFO	ixfr-from-differences: unchanged	Zone serial and zone are unchanged.
ERROR	ixfr-from-differences: new serial ([serial]) out of range [[serial min] – [serial max]]"	The new zone serial is out of range.
ERROR	zone serial ([serial]/[old serial]) has gone backwards	Zone serial has gone backwards. New and old serial values are the specified.
ERROR	zone serial ([serial]) unchanged. zone may fail to transfer to secondaries.	Zone serial unchanged therefore zone may fail to transfer updates to secondaries.
WARNING	sig-re-signing-interval less than 3	Zone resigning interval is less than three (zone refresh interval).
WARNING	signed dynamic zone has no resign event schedule	The signed dynamic zone has no resign event scheduled.
INFO	loaded serial [serial][(DNSSEC signed)]or[[]]	The status of a loaded zone serial (has or has not a DNSSEC signature).
WARNING	unable to load from [primaryfile]; file removed	Cannot to load a zone from a primary file. The file is removed.
ERROR	not loaded due to errors	Zone is not loaded due to errors.
N/A	NS '[DNS name]' has no address records (A or AAAA)	The NS record check reveals that the zone/NS has no address records (A or AAAA).
N/A	NS '[DNS name]' is a CNAME (illegal)	The NS record check reveals that the zone/NS is a CNAME record that is illegal.



DNS Log Message Reference

Level	Log message	Message description
N/A	NS '[DNS name]' is below a DNAME 'DNS name' (illegal)	The NS record check reveals that the zone/NS is below DNAME record that is illegal.
ERROR	DNSKEY RRSIG(s) have expired	The DNSKEY RRSIG(s) has expired.
WARNING	DNSKEY RRSIG(s) will expire within 7 days: [time]	The DNSKEY RRSIG(s) will expire in 7 days.
N/A	setting keywarntime to [time]	The key expiry warning time is set to the specified value.
WARNING	Key [DNS name]/[DNS name]/[key id] missing or inactive and has no replacement: retaining signatures.	The RRSIG key is missing or inactive and has no replacement. The signatures are retained. It happened while deleting expired RRsigs and any RRsigs that are about to be re-signed.
WARNING	key expiry warning time out of range	The zone key expiry warning time value is incorrect for sc_stdtime_t datatype .
INFO	zone_resigninc: deferred as ZRQ seemed to be busy	The zone_resigninc() function is deferred as ZRQ seems to be busy.
ERROR	zone_resigninc:dns_db_newversion -> [error message]	The zone_resigninc() function cannot open a new version of database for reading and writing.
ERROR	zone_resigninc:find_zone_keys -> [error message]	The zone_resigninc() function failed to find DNSSEC keys for a zone.
ERROR	zone_resigninc:dns_db_getsigningtime -> [error message]	The zone_resigninc() function failed to get a signing time value.
ERROR	zone_resigninc:del_sigs -> [error message]	The zone_resigninc() function cannot delete expired RRsigs and any RRsigs that are about to be re-signed.
ERROR	zone_resigninc:add_sigs -> [error message]	The zone_resigninc() function Cannot add RRsigs that are about to be re-signed.
ERROR	zone_resigninc: Signing took longer than [timeout] sec	The zone_resigninc() function error: RW transaction value is longer than the Thales sign timeout.
ERROR	"zone_resigninc:dns_db_getsigningtime -> [error message]	The zone_resigninc() function failed to get a signing time value.
ERROR	zone_resigninc:del_sigs -> [error message]	The zone_resigninc() function failed to delete expired RRsigs and any RRsigs that are about to be re-signed.
ERROR	zone_resigninc:update_soa_serial -> [error message]	The zone_resigninc() function Cannot update SOA serial.



DNS Log Message Reference

Level	Log message	Message description
ERROR	zone_resigninc:add_sigs -> [error message]	The zone_resigninc() function Cannot add RRsigs that are about to be re-signed.
INFO	zone_resigninc:infoblox_zdb_update_ibzone -> [error message]	The zone_resigninc() function Cannot update the ZRQ version in the IBZONE record of a zdb.
INFO	Re-generated [number] signatures	The specified signatures are re-generated.
ERROR	update_sigs:del_sigs -> [error message]	The update_sigs() function failed to delete expired RRsigs and any RRsigs that are about to be re-signed.
ERROR	update_sigs:add_sigs -> [error message]	The update_sigs() function Cannot add RRsigs that are about to be re-signed.
ERROR	zone_nsec3chain:dns_db_newversion -> [error message]	The zone_nsec3chain() function failed to open a new version of a database for reading and writing.
ERROR	zone_nsec3chain:find_zone_keys -> [error message]	The zone_nsec3chain() function failed to find DNSSEC keys for a zone.
ERROR	zone_nsec3chain: dns_nsec3_addnsec3 -> [error message]	Cannot add a new NSEC3 for the specified reason.
ERROR	zone_nsec3chain: dns_dbiterator_next -> [error message]	The zone_nsec3chain() function failed to move the node cursor to the next node in the database.
ERROR	one_nsec3chain: need_nsec_chain -> [error message]	Creating a new NSEC3 chain failed for the specified reason.
ERROR	zone_nsec3chain fixup_nsec3param -> [error message]	Fixing NSEC3 parameters failed for the specified reason.
ERROR	zone_nsec3chain: deletematchingnsec3 -> [error message]	The zone_nsec3chain() function failed to delete NSEC3 records.
ERROR	zone_nsec3chain: fixup_nsec3param -> [error message]	Fixing NSEC3 parameters failed for the specified reason.
ERROR	zone_nsec3chain: dns_dbiterator_next -> [error message]	The zone_nsec3chain() function failed to move the node cursor to the next node in the database.
ERROR	dns_db_allrdatasets -> [error message]	Making an iterator for all record datasets failed for the specified reason.



DNS Log Message Reference

Level	Log message	Message description
ERROR	zone_nsec3chain: updatesecure -> [error message]	The zone_nsec3chain() function Cannot update secure zone.
ERROR	zone_nsec3chain: dns_nsec3_addnsec3s -> [error message]	Cannot add a new secure NSEC3 for the specified reason.
ERROR	zone_nsec3chain: update_sigs -> [error message]	The zone_nsec3chain() function Cannot update signatures for NSEC3 records.
ERROR	zone_nsec3chain: update_sigs -> [error message]	The zone_nsec3chain() function Cannot update signatures for NSEC3PARAM records.
ERROR	zone_nsec3chain: updatesecure -> [error message]	The zone_nsec3chain() function Cannot update a secure zone.
ERROR	zone_nsec3chain: update_sigs -> [error message]	The zone_nsec3chain() function Cannot update signatures for NSEC records.
ERROR	zone_nsec3chain: del_sigs -> [error message]	The zone_nsec3chain() function failed to delete expired RRsigs and any Rrsigs that are about to be re-signed.
ERROR	zone_nsec3chain: update_soa_serial -> [error message]	The zone_nsec3chain() function Cannot update SOA serial.
ERROR	zone_nsec3chain: add_sigs -> [error message]	The zone_nsec3chain() function add RRsigs that are about to be re-signed.
ERROR	zone_nsec3chain: [error message]	The zone_nsec3chain() function failed to incrementally build and sign a new NSEC3 chain using the requested parameters.
ERROR	zone_sign:dns_db_newversion -> [error message]	The zone_sign() function failed to open a new version of database for reading and writing.
ERROR	zone_sign:find_zone_keys -> [error message]	The zone_sign() function failed to find DNSSEC keys for a zone.
ERROR	updatesecure -> [error message]	The zone_sign() function Cannot update secure zone.
ERROR	updatesignwithkey -> [error message]	Cannot update the zone with a zone signing key for the specified reason.
ERROR	zone_sign:dns_dbiterator_next -> [error message]	The zone_sign() function failed to move the node cursor to the next node in the database.



DNS Log Message Reference

Level	Log message	Message description
ERROR	update_sigs -> [error message]	The zone_sign() function Cannot update signatures for NSEC records.
ERROR	zone_sign:del_sigs -> [error message]	The zone_sign() function failed to delete expired RRsigs and any RRsigs that are about to be re-signed.
ERROR	zone_sign:update_soa_serial -> [error message]	The zone_sign() function Cannot update SOA serial.
ERROR	zone_sign:add_sigs ->[error message]	The zone_sign() function Cannot add RRsigs that are about to be re-signed.
WARNING	Unable to fetch DNSKEY set '[DNS name]': [error message]	The keyfetch_done() function: a DNSKEY set has not been fetched from the zone apex of a zone whose trust anchors are being managed.
WARNING	No DNSKEY RRSIGs found for '[DNS name]': [error message]	No DNSKEY RRSIGs is found for a DNS name.
WARNING	Pending key unexpectedly missing from [DNS name]; restarting acceptance timer	Pending key is missing unexpectedly from a DNS name. Acceptance timer is restarting.
WARNING	Active key unexpectedly missing from [DNS name]	Active key is missing unexpectedly from a DNS name.
WARNING	Active key for zone '[DNS name]' is revoked but did not self-sign; ignoring.	Active key for a zone is revoked but did not self-sign. This key is ignored.
WARNING	Initializing automatic trust anchor management for zone '[DNS name]'; DNSKEY ID [DNS key tag] is now trusted, waiving the normal 30-day waiting period.	Initializing automatic trust anchor management for a zone. DNSKEY ID is now trusted, waiving the normal 30-day waiting period.
WARNING	Failed to create fetch for DNSKEY update	Cannot create a fetch for a DNSKEY update.
WARNING	dump failed: [warning message]	The dumping of a zone failed.
ERROR	dns_journal_compact failed: [error message]	The DNS journal compacting failed.
WARNING	expired	Time of zone expired.
ERROR	cannot refresh: no primaries	Cannot refresh DNS zone. There are no primaries for a zone.



DNS Log Message Reference

Level	Log message	Message description
WARNING	failed to determine current primary ([current server]) latency from latency tracking manager: [error message]; skipping"	Cannot determine the current primary latency from a latency tracking manager. The zone refresh is skipped.
WARNING	failed to determine candidate primary ([socket address]) latency: [warning message]; skipping	Cannot determine the candidate primary latency. The zone refresh is skipped.
WARNING	isc_time_nowplusinterval() failed: [warning message]	Cannot set the next refresh time for a zone.
ERROR	dns_journal_compact failed: [error message]	The DNS journal compacting failed.
ERROR	failed to determine zone name while unregistering primary: [error message]	Failed to determine zone name while unregistering the old primary.
ERROR	failed to determine zone name while registering primary switch: [error message]	Failed to determine zone name while zdb secondary zone switches to a different primary.
ERROR	NOTIFY to [socket address] not sent. Peer TSIG key lookup failure.	NOTIFY to address is not sent. Peer TSIG key lookup failure.
INFO	sending notifies (serial [serial])	Sending notify request for 'also-notify' server.
INFO	sending notifies (serial [serial])	Sending notify request for DNS server.
INFO	could not refresh stub from primary [socket address] (source [socket address]): [info message]	Cannot refresh a stub from a primary.
INFO	refreshing stub: unexpected rcode ([rcode]) from [socket address] (source [socket address])	An unexpected rcode received from a primary while refreshing a stub.
INFO	refreshing stub: truncated TCP response from primary [socket address] (source [socket address])	A truncated TCP response received from a primary while refreshing stub.
INFO	refreshing stub: non-authoritative answer from primary [socket address] (source [socket address])	A non-authoritative answer received from a primary while refreshing stub.



DNS Log Message Reference

Level	Log message	Message description
INFO	refreshing stub: unexpected CNAME response from primary [socket address] (source [socket address])	An unexpected CNAME response received from a primary while refreshing stub.
INFO	refreshing stub: no NS records in response from primary [socket address] (source [socket address])	no NS records are received in response from a primary while refreshing stub.
INFO	refreshing stub: unable to save NS records from primary [socket address] (source [socket address])	Cannot save NS records from a primary while refreshing stub.
INFO	refresh: retry limit for primary [socket address] exceeded (source [socket address])	The retry limit for a primary is exceeded after the SQA query is completed.
INFO	refresh: failure trying primary [socket address] (source [socket address]): [info message]	Failed to reach the primary after the SOA query is completed.
INFO	refresh: failure trying primary [socket address] (source [socket address])	Failed to reach the primary after the SOA query is completed.
INFO	refresh: unexpected rcode ([rcode]) from primary [socket address] (source [socket address])	An unexpected rcode received from a primary after the SOA query is completed.
INFO	refresh: truncated UDP answer, initiating TCP zone xfer for primary [socket address] (source [socket address])	A truncated UDP answer received from a primary; initiating TCP zone xfer for primary after the SOA query is completed.
INFO	refresh: truncated TCP response from primary [socket address] (source [socket address])	A truncated TCP response received from a primary after the SOA query is completed.
INFO	refresh: non-authoritative answer from primary [socket address] (source [socket address])	A non-authoritative answer received from a primary after the SOA query is completed.
INFO	refresh: CNAME at top of zone in primary [socket address] (source [socket address])	CNAME at top of a zone in primary after the SOA query is completed.
INFO	refresh: referral response from primary [socket address] (source [socket address])	A referral response received from a primary after the SOA query is completed.



DNS Log Message Reference

Level	Log message	Message description
INFO	refresh: NODATA response from primary [socket address] (source [socket address])	NODATA response received from a primary after the SOA query is completed.
INFO	refresh: answer SOA count ([SOA count]) != 1 from primary [socket address]	The SOA count received from primary is not equal to one from primary.
INFO	refresh: unable to get SOA record from primary [socket address] (source [socket address])	Cannot get SOA record a from primary after the SOA query is completed.
INFO	refresh: dns_rdataset_first() failed	Cannot move the rdata cursor to the first rdata in the record dataset after the SOA query is completed.
INFO	refresh: skipping [[zone transfer]or[NS query]] as primary [socket address] (source [socket address]) is unreachable (cached)	Skipping zone transfer or NS query since primary is unreachable (cached) after the SOA query is completed.
INFO	hanged primary from [previous server] ([previous latency] usec) to [new server] ([candidate latency] usec)	The current primary is switched to the best primary candidate for multi primary zone based on a latency data.
ERROR	refresh: could not set file modification time of '[primaryfile]': [error message]	Cannot set primary file modification time after the SOA query is completed.
INFO	serial number ([SOA serial]) received from primary [primary] < ours ([old serial])	SOA serial number received from primary is less than existing after the SOA query is completed.
WARNING	SOA request probe failed for primary [primary]; please check configuration	SOA request probe failed for a primary (please check configuration).
ERROR	keys for zone: zone's view has no keys.	Cannot find DHCP_UPDATER keys for zone. Zone's view has no keys.



DNS Log Message Reference

Level	Log message	Message description
ERROR	Cannot configure zone updater acl (view name is too long for updater key name; must not exceed [count] bytes)	Cannot configure zone updater ACL. The view name is too long for updater key name; must not exceed the specified number of bytes.
ERROR	Cannot configure zone updater acl (bad view name): [error message]	Cannot configure zone updater ACL because of a bad view name.
CRITICAL	Cannot create new allow-update-forwarding ACL: [error message]	Cannot create a new allow-update-forwarding ACL that has enough room to contain the updater key and the elements of <upper_level_fwd_acl>.
ERROR	key for zone: [error message]	Cannot find DHCP_UPDATER keys for a zone.
CRITICAL	Cannot merge content into allow-update-forwarding ACL: [error message]	Cannot merge content into allow-update-forwarding ACL.
ERROR	unable to find key: [error message]	Cannot find a tsig key in the primary statement.
ERROR	unable to find TSIG key for []	Cannot find a tsig key for a server.
WARNING	failed to request SOA probe for primary [primary]; please check configuration	Cannot request an SOA probe for a primary. Check configuration.
ERROR	refreshing stub: could not create database: [error message]	Cannot create a database while refreshing a stub.
INFO	refreshing stub: dns_db_newversion() failed: [info message]	Cannot open a new version of a database for reading and writing while refreshing a stub.
INFO	refreshing stub: dns_db_findnode() failed: [error message]	Cannot find the node for a zone origin while refreshing a stub.
INFO	refreshing stub: dns_db_addrdataset() failed: [info message]	Cannot add a record dataset to a node while refreshing a stub.
ERROR	unable to find key: [DNS name]	Cannot find tsig key in the primary statement.
ERROR	could not deactivate zone timer: [error message]	Cannot deactivate a zone timer.
ERROR	could not reset zone time	Cannot reset a zone timer.



DNS Log Message Reference

Level	Log message	Message description
N/A	NOTIFY with no question section from: [socket address]	NOTIFY (SOA) with no question section received from the specified socket address.
N/A	NOTIFY zone does not match	NOTIFY zone does not match.
INFO	refused notify from non-primary: [socket address]	A notify request from non-primary is refused because zone notify request ACL is empty.
INFO	ignored notify from non-current primary: [socket address]	Notifications from non-current primaries for multiprimary zones are ignored.
WARNING	notify from [socket address] ignored: zone is not available	The notify request from a non-current primary to trigger a refresh check is ignored because the zone is not available.
INFO	notify from [socket address]: zone is up to date	The notify request from non-primary to trigger a refresh check received. The zone is up to date.
INFO	notify from [socket address]: refresh in progress, refresh check queued	Notify request from a non-primary to trigger a refresh check. The refresh in progress, refresh check is queued.
N/A	One [name record]: [message]	A notify log message description.
N/A	[[managed-keys-zone]or[redirect-zone]or[zone]][name record]: [message] managed-keys-zone : zone redirect-zone : zone	A DNS zone log message description.
N/A	[[managed-keys-zone]or[redirect-zone]or[zone]][name record]: [message]	A DNS zone log message description.
N/A	%s: %s %s: %s" zone	A DNS zone debug log message description.
N/A	[message]	An update log message description.
ERROR	corrupt journal file: '[journal]'	Applying diffs from the raw zone's journal to the secure zone failed because of a corrupt journal file.



DNS Log Message Reference

Level	Log message	Message description
INFO	serial [new serial] (unsigned [desired serial])	An old SOA RR serial number (unsigned desired SOA RR serial number).
ERROR	receive_secure_serial: [error message]	The receive_secure_serial() function failed.
ERROR	receive_secure_db: [error message]	The receive_secure_db() function failed.
ERROR	has [count] SOA records	The specified number of SOA records is found while replacing the existing zone database. There should be only one SOA record.
ERROR	as no NS records	No NS records are found while replacing the existing zone database.
ERROR	retrieving SOA and NS records failed: [error message]	Retrieving SOA and NS records for a zone failed while replacing the existing zone database.
ERROR	ixfr-from-differences: unable to get new serial	Cannot get SOA RR serial number from a database while replacing the existing zone database.
ERROR	ixfr-from-differences: failed: new serial ([serial]) out of range [[serial min] – [serial max]]	SOA RR serial number is out of range while replacing the existing zone database.
ERROR	dns_journal_compact failed: [error message]	The DNS journal compacting failed.
WARNING	unable to remove primaryfile '[primaryfile]': '[error message]'	Cannot remove the old primaryfile while replacing the existing zone database.
WARNING	unable to remove journal '[primaryfile]': '[error message]'	Cannot remove the zone journal while replacing the existing zone database.
ERROR	transferred zone has [count] SOA record(s)	The transferred zone has the specified number of SOA records. There should only be one.
ERROR	transferred zone has no NS records	The transferred zone has no NS records.
INFO	transferred serial [serial][DNS name]	The serial number of a transferred zone.



DNS Log Message Reference

Level	Log message	Message description
ERROR	transfer: could not set file modification time of '[primaryfile]': [error message]	Transfer issue. Cannot set primary file modification time.
WARNING	failed to transfer from primary [primary]; please check configuration	Cannot transfer from a primary. Please check configuration.
ERROR	dns_journal_compact failed: [error message]	The DNS journal compacting failed.
ERROR	loading zdb zone: error establishing validation status: [error message]. Redumping zone.	Cannot validate ZDB zone status while loading zdb zone. Redumping zone.
WARNING	Removing out of sync journal file.	The journal file is out of sync ('out of range') and removed as obsolete.
ERROR	Error applying updates: [error message]	Cannot apply updates from a journal file to loaded zone.
ERROR	loading zdb zone: initial load error: [error message]	Loading a zdb zone failed due to the initial load error.
ERROR	loading zone: Rescheduling zone loading during zone dump failed: [error message]	Rescheduling zone loading during zone dump failed.
INFO	got_transfer_quota: skipping zone transfer as primary [socket address] (source [socket address]) is unreachable (cached)	The got_transfer_quota() function: skipping zone transfer as primary (source) is unreachable (cached).
ERROR	could not get TSIG key for zone transfer: [error message]	Cannot get TSIG key for a zone transfer.
INFO	could not forward dynamic update to [socket address]: [info message]	Cannot forward a dynamic update to a primary.
WARNING	forwarding dynamic update: unexpected response: primary [socket address] returned: [rcode]	An unexpected response is received because primary returned an error while forwarding a dynamic update.
INFO	Transfer started.	Transfer started.



DNS Log Message Reference

Level	Log message	Message description
WARNING	unable to load from '[path]'; renaming file to '[file name]' for failure analysis and retransferring.	Failed to load data from a zone file. This is renamed for failure analysis and retransferring. Both old and new file names are indicated.
INFO	primary [socket address] (source [socket address]) deleted from unreachable cache	The primary (source) is deleted from an unreachable cache.
N/A	[DNS name]/[record datatype]: [message]	Owner name check for a zone failed.
N/A	[DNS name]/[record datatype]: [DNS name]: [message]	Record data check for a zone failed.
N/A	dns_zone_signwithkey(algorithm=[algorithm], keyid=[key id])	Values of an algorithm and a keyid of the dns_zone_signwithkey() function.
N/A	dns_zone_addnsec3chain(hash=[hash], iterations=[iterations], salt=[salt])	Values of a hash, an iterations and a salt of the dns_zone_addnsec3chain() function.
ERROR	sign_apex:find_zone_keys -> [error message]	The sign_apex() function error: cannot find a zone keys.
ERROR	sign_apex:del_sigs -> [error message]	The sign_apex() function error: cannot delete expired RRsigs and any RRsigs that are about to be re-signed.
ERROR	sign_apex:add_sigs -> [error message]	The sign_apex() function error: cannot add RRsigs that are about to be re-signed.
ERROR	sign_apex:update_sigs -> [error message]	The sign_apex() function error: cannot update RRsigs that are about to be re-signed.
ERROR	NSEC only DNSKEYs and NSEC3 chains not allowed	NSEC only, DNSKEYs and NSEC3 chains are not allowed. There is at least one DNSKEY with an algorithm that predates NSEC3, and therefore a zone cannot have a valid NSEC3 chain.
INFO	reconfiguring zone keys	Reconfiguring zone keys.
ERROR	couldn't update zone keys: [error message]	Cannot update zone keys while reconfiguring zone keys.
ERROR	zone_signwithkey failed: [error message]	Cannot remove any signatures from removed keys.
ERROR	zone_signwithkey failed: [error message]	Cannot sign the zone with all active keys, whether they're new or not.



DNS Log Message Reference

Level	Log message	Message description
ERROR	zone_signwithkey failed: [error message]	Cannot sign the full zone, but only with newly active keys.
ERROR	zone_addnsec3chain failed: [error message]	Cannot incrementally add a NSEC3 chain to a zone.
INFO	next key event: [time]	Setting the key refresh timer for the next scheduled key event.
ERROR	keydone:dns_db_newversion -> [error message]	The keydone() function error: cannot open a new version of a database for reading and writing.
ERROR	setnsec3param:dns_db_newversion -> [error message]	The setnsec3param() function error: cannot open a new version of a database for reading and writing.
ERROR	Loading zone. Attempt to reload non-DB zone from DB rejected.	Loading zone. Attempt to reload non-DB zone from a DB is rejected.
ERROR	This zone is already loading."	This zone is already loading.
ERROR	Loading zone. Zone primaryfile is not configured: [error message]	Zone primaryfile is not configured while loading the zone.
ERROR	Loading zone. Create zone db failed: [error message]	Creating zone database failed while loading the zone.
ERROR	Loading zone. Load from DB failed: [error message]	Loading from a database failed while loading the zone.
ERROR	Loading zone. Could not update SOA mname: [error message]	Cannot update an SOA mname while loading the zone.
WARNING	Primary addresses not available, cannot set SOA mname	Primary addresses are not available; cannot set an SOA mname.
WARNING	failed to write new primary file to disk: [warning message]; journal and IXFR will be disabled; try to restart DNS service to fix the issue	Failed to write a new primary file to a disk. The Journal and IXFR will be disabled. Trying to restart the DNS service to fix the issue.
WARNING	failed to replace old primary file with new one: [warning message]; journal and IXFR will be disabled; try to restart DNS service to fix the issue	Failed to replace old primary file with new one. Journal and IXFR will be disabled. Restarting the DNS service may fix the issue.



DNS Log Message Reference

Level	Log message	Message description
WARNING	failed to clean obsolete journal file: [warning message]; journal and IXFR will be disabled; try to restart DNS service to fix the issue	Failed to clean an obsolete journal file. The journal and IXFR will be disabled. Trying to restart the DNS service to fix the issue.
ERROR	Error reloading zone from DB: [error message]; possibly obsolete zone data will be used.	Failed to reload a zone from a database. Possibly obsolete zone data will be used.
INFO	Finished reloading zone from database.	Finished reloading zone from database.
ERROR	full zone reload: failed to replace zone data	Cannot reload a zone from OneDB.
INFO	Reloading zone from database.	Reloading zone from a database.
ERROR	full zone reload: attempt to reload non-DB zone from DB rejected.	The zone is not backed by ZDB.
ERROR	full zone reload: unable to remove existing zone files	Cannot destroy the currently persisted zone file(s).
ERROR	full zone reload: failed to allocate event.	full zone reload() function: failed to allocate event for the task.
CRITICAL	Cannot create new allow-update-forwarding ACL	Cannot clone the provided ACL.
WARNING	failed to reset latency for primary [primary]: [warning message]	Failed to reset the latency for a primary.
ERROR	failure while adding zones into loading queue: [error message]	Cannot add zones into a loading queue.
N/A	[[freezing]or[thawing]] zone '[zone]/[class]'[separator][view]: [message]	The status of a dynamic zone. When a dynamic zone is frozen, only manual changes are allowed. When a dynamic zone is thawed, BIND services a zone as usual.
INFO	[seen] seen for unloaded zone, prioritizing its loading	An informational message that describes an unloaded zone status, 'Prior access seen' or 'Autogenerated flag seen'. Prioritizing zone loading.
WARNING	duplicate attempt of queued zone loading (ignored)	A duplicate attempt to load a zone into a queue is ignored.



DNS Log Message Reference

Level	Log message	Message description
ERROR	failed to schedule zone loading: [error message]	Failed to schedule a zone loading.
WARNING	exiting...	Exiting due to a timeout.
WARNING	*** POKED TIMER ***	The manager pokes a timer if it is 15 or more seconds behind.
ERROR	remove '%s': failed	Removing file 'templet' failed.
INFO	prefix length for [net address] is unknown (assume 128)	The prefix length for the specified address is unknown so it is assumed to be equal to 128.
ERROR	/proc/net/if_inet6:iter	Process /proc/net/if_inet6 is not found.
ERROR	/proc/net/if_inet6:sscanf() -> [count] (expected 6)	The actual value of 'res' arguments. The expected value is six.
ERROR	"/proc/net/if_inet6:strlen(%s) != 32	Address length does not equal to 32.
ERROR	retrieving the address of an IPv6 socket from the kernel failed.	IPv6 structures in kernel and user space do not match.
ERROR	IPv6 is not supported.	IPv6 is not supported.
ERROR	IPv6 structures in kernel and user space do not match.	IPv6 structures in kernel and user space do not match.



DNS Log Message Reference

Level	Log message	Message description
ERROR	IPv6 is not supported.	IPv6 is not supported.
ERROR	failed to start watching FD (FD): [error message]	Failed to start watching FD (File Descriptor) for the specified reason.
N/A	processing cmsg [message]	Processing the specified control message.
INFO	interface received on ifindex [interface number]	An interface index.
INFO	sendto pktinfo data, ifindex [ifindex]	The packet info is sent using the specified interface index.
N/A	doio_recv: recvmsg([fd]) [cc] bytes, err [error number]/[error message]	The function 'doio_recv' received a message on the specified socket containing the specified number of bytes. Error code/error strings are specified.
N/A	dropping source port zero packet	Dropping packet because the source port equals to zero.
N/A	packet received correctly	The packet is received correctly.
N/A	destroying	Destroying socket.
ERROR	socket: file descriptor exceeds limit ([fd]/[max socket])	The number of socket file descriptors exceeds the maximum count of file descriptors allowed.
ERROR	[isc_socket_create: fcntl]: [error message]	System error: too many open files in a system or too many open files.



DNS Log Message Reference

Level	Log message	Message description
N/A	fd [fd] receive buffer set to [size]	The new UDP receive socket buffer size.
N/A	socket fd = [fd], recvbuf = [size]	Information regarding the socket number and a socket buffer size.
N/A	dupped : created	Socket status.
N/A	fdwatch-created	A new 'type' socket managed by the 'manager' is created.
N/A	fdwatch-poked flags: [flags]	The manager poked a socket to act according to the specified flags.
N/A	dispatch_recv: event [event] -> task [event sender]	The function 'dispatch_recv': information regarding memory address for the specified event and a task.
N/A	dispatch_send: event [event] -> task [event sender]	Information message. The event that was sent to a task.
N/A	internal_accept called, locked socket	The socket is locked.
ERROR	[accept/fcntl]: too many open file descriptors	System error: either too many open files or too many open files in a system.
ERROR	accept: file descriptor exceeds limit ([fd]/[max sickets])	The number of socket file descriptors exceeds the maximum count of file descriptors allowed.
N/A	accepted connection, new socket [new socket]	Accepted connection and the specified new socket is created.
N/A	internal_recv: task [task] got event [event]	Informational message. the specified task got the specified event.



DNS Log Message Reference

Level	Log message	Message description
N/A	internal_send: task [task] got event [event]	Informational message. the specified task got the specified event.
N/A	internal_fdwatch_write: task [task] got event [event]	Informational message. the specified task got the specified event.
N/A	internal_fdwatch_read: task [task] got event [event]	Informational message. the specified task got the specified event.
N/A	maximum number of FD events ([number]) received	This is not an error, but something unexpected. If this happens, it may indicate the need to increase the ISC_SOCKET_MAXEVENTS value.
N/A	maximum number of FD events ([number]) received	This is not an error, but something unexpected. If this happens, it may indicate the need to increase the ISC_SOCKET_MAXEVENTS value.
N/A	maximum number of FD events ([number]) received	This is not an error, but something unexpected. If this happens, it may indicate the need to increase the ISC_SOCKET_MAXEVENTS value.
N/A	watcher got message [message] for socket [fd]	The watcher got the specified message for the specified socket.
N/A	watcher exiting	The watcher is exiting.
N/A	sockets exist	Socket exist. You have to wait.
N/A	socket_recv: event [event] -> task [task]	Informational message. the specified task got the specified event.
INFO	pktinfo structure provided, ifindex [ifindex] (set to 0)"	The pktinfo index is set to zero to allow the kernel to decide on which interface it should send.



DNS Log Message Reference

Level	Log message	Message description
N/A	socket_send: event [event] -> task [task]	The task got the specified event.
ERROR	isc_socket_cleanunix: stat([path]): [error message]	System call: stat() failed for the specified reason.
ERROR	isc_socket_cleanunix: [path]: not a socket	This is not a socket.
ERROR	isc_socket_cleanunix: unlink([path]): [error message]	System call: unlink failed for the specified reason.
WARNING	isc_socket_cleanunix: socket([path]): [error message]	Cannot create a socket for the specified reason.
WARNING	isc_socket_cleanunix: stat([path]): [error message]	System call: stat() failed for the specified reason.
WARNING	"isc_socket_cleanunix: [path]: not a socket	This is not a socket.
WARNING	sc_socket_cleanunix: unlink([path]): [error message]	System call: unlink failed for the specified reason.
WARNING	isc_socket_cleanunix: connect([path]): [error message]	Connecting to the socket failed.



DNS Log Message Reference

Level	Log message	Message description
ERROR	isc_socket_permunix: chmod([path], [permission]): [error message]	System call: chmod failed for the specified reason.
ERROR	isc_socket_permunix: chown([path], [owner], [group]): [error message]	System call chown failed for the specified reason.
N/A	bound	Address has been assigned to a socket.
N/A	setsockopt(SO_ACCEPTFILTER): [error message]	Failed to accept a filter for a socket due to the specified reason.
ERROR	socket: file descriptor exceeds limit ([fd]/[max socket])	The number of file descriptors exceeds the maximum count of file descriptors allowed.
ERROR	[infoblox_socket_create_shadowudp: fcntl]: [error message]	System error: either too many open files or too many open files in a system.
ERROR	iocompletionport_update: failed to open io completion port: [error message]	iocompletionport_update() function failed to open an I/O completion port.
ERROR	queue_io_request: fd [fd] result [result] error [error]	Cannot get another queue for a receiver.
N/A	sockmgr [socket manager]: [message]	The socket manager information.
N/A	socket [socket] line [line]: [message]	Logging socket information if a socket address is unknown.



DNS Log Message Reference

Level	Log message	Message description
N/A	socket [socket] line [line] peer [peer]: [message]	Logging socket information if a socket address is known.
N/A	alloc_buffer [buffer] [size] [buffer] [size]	The information about internal region of a buffer in the SEND constructor.
N/A	alloc_buffer [buffer] [size] [buffer] [size]	The information about used region of a buffer in the SEND constructor.
N/A	dropping source port zero packet	Dropping a source port zero packet for a UDP socket.
N/A	startio_send: internal_sendmsg([fd]) [number] bytes, err [error number]/[error message]	Cannot send data to a socket, using overlapped I/O.
N/A	allocated	The socket is allocated.
N/A	SOCKET INCONSISTENT:[crash reason]	The socket state is inconsistent.
N/A	freeing socket line [line] fd [fd] lock [lock] semaphore [lock semaphore]	The information about line number in a source code file and parameters of a socket: file descriptor, lock, semaphore.
N/A	closed [pending receive] [pending send] [references] con_reset_fix_failed	Cannot prevent an incorrect behavior of the UDP socket.
N/A	closed [pending receive] [pending send] [references] make_nonblock_failed	Cannot make a non-blocking socket.
N/A	created [fd] type [type]	The information about line number in a source code file and parameters of the created socket: a file descriptor and a type.



DNS Log Message Reference

Level	Log message	Message description
N/A	detach_socket [pending receive] [pending send] [references]	The information about line number in a source code file and parameters of the detached socket: pending receive, pending send, references.
N/A	internal_accept called	An attempt to create a new socket with an old address.
N/A	internal_accept parent [socket]	The information about an old socket is displayed while trying to create a new socket with an old address.
N/A	accepted_connection new_socket [socket] fd [fd]	The information about a new socket is displayed while trying to create a new socket with an old address.
N/A	internal_connect: success	The connection is accepted for a new socket while trying to create a new socket with an old address.
N/A	internal_recv: [number] bytes received	The number of bytes receive by the socket.
N/A	internal_send: task got socket event [event]	An attempt to send an event to the task it was destined for .
N/A	free_buffer [buffer] [buffer]	Freeing the private buffer while trying to send an event to the task it was destined for.
N/A	canceled_send	Sending an event to the task it was destined for is canceled.
N/A	Accept: errstatus=[error status] isc_result=[result]	An information about a socket accept: error status, result.
N/A	restart_accept() failed: errstatus=[error status] isc_result=[result]	The restart of a socket accept failed.
N/A	canceled_accept	A socket accept is canceled.
N/A	canceled_connect	A socket connection is canceled.
N/A	SocketIoThread exiting	Exit completion port thread.



DNS Log Message Reference

Level	Log message	Message description
N/A	sockets exist	The sockets are not yet destroyed.
N/A	queue_receive_event: event [event] -> task [task]	The request is enqueued.
INFO	pktinfo structure provided, ifindex [ifindex] (set to 0)	The pktinfo structure is provided if an index is set to zero.
N/A	socket_send: event [event] -> task [task]	The request is enqueued.
N/A	bound	The address is assigned to the socket.
N/A	listening	Named is listening on the specified socket.
N/A	accepting for nsock [socket] fd [fd]	A new socket is accepted.
ERROR	acl loop detected: [ACL name]	Validation detects a recursion.
WARNING	undefined ACL '[ACL name]'	The ACL name is undefined.
WARNING	key name '[key name]' is not a valid domain name	The name of a key is not a valid domain name.
WARNING	address match list contains unsupported element type	Address match list contains an unsupported element type.