```json
{
    "name": "DXL_Network_Events",
    "version": "3.0",
    "type": "DXL_EVENT",
    "event_type": [
        "NETWORK_IPV4",
        "NETWORK_IPV6"
    ],
    "vendor_identifier": "McAfee",
    "quoting": "ASIS",
    "instance_variables": [
        {
            "name": "DXL_MessageFormat",
            "type": "STRING"
        },
        {
            "name": "OPERATION_TYPES",
            "type": "STRING",
            "value": "insert/modify/delete"
        }
    ],
    "steps": [
        {
            "name": "Debug#0",
            "operation": "NOP",
            "body": "${XC:DEBUG:{H:}}${XC:DEBUG:{E:}}${XC:DEBUG:{I:}}${XC:DEBUG:{L:}}${XC:DEBUG:{S:}}${XC:DEBUG:{P:}}${XC:DEBUG:{UT:}}${XC:DEBUG:{R:}}"
        },
        {
            "name": "set time vars",
            "operation": "NOP",
            "body_list": [
                "${XC:COPY:{L:New_Time}:{E:timestamp}}${XC:FORMAT:TRUNCATE:{L:New_Time}:{16t}}"
            ]
        },
        {
            "name": "Set Old_Time",
            "operation": "CONDITION",
            "condition": {
                "condition_type": "OR",
```

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        "statements": [
          {
            "left": "${E:A:values{extattrs}{DXL_LastEventSentAt}
{value}}",
            "op": "==",
            "right": ""
          }
        ],
        "eval": "${XC:ASSIGN:{L:Old_Time}:{S:}}",
        "else_eval": "${XC:COPY:{L:Old_Time}:{E:values{extattrs}
{DXL_LastEventSentAt}{value}}}}${XC:FORMAT:TRUNCATE:
{L:Old_Time}:{16t}}"
      }
    },
    {
      "name": "Debug#1",
      "operation": "NOP",
      "body": "${XC:DEBUG:{H:}}${XC:DEBUG:{E:}}${XC:DEBUG:
{I:}}${XC:DEBUG:{L:}}${XC:DEBUG:{S:}}${XC:DEBUG:{P:}}${XC:DEBUG:
{UT:}}${XC:DEBUG:{R:}}"
    },
    {
      "name": "STOP if modified in the last second",
      "operation": "CONDITION",
      "condition": {
        "condition_type": "OR",
        "statements": [
          {
            "left": "${L:A:New_Time}",
            "op": "==",
            "right": "${L:A:Old_Time}"
          }
        ],
        "stop": true
      }
    },
    {
      "name": "Debug#2",
      "operation": "NOP",
      "body": "${XC:DEBUG:{H:}}${XC:DEBUG:{E:}}${XC:DEBUG:
{I:}}${XC:DEBUG:{L:}}${XC:DEBUG:{S:}}${XC:DEBUG:{P:}}${XC:DEBUG:
{UT:}}${XC:DEBUG:{R:}}"
```

```json
            },
            {
                "name": "STOP if sync not requested",
                "operation": "CONDITION",
                "condition": {
                    "condition_type": "OR",
                    "statements": [
                        {
                            "left": "${E:A:values{extattrs}{DXL_Sync}{value}}",
                            "op": "==",
                            "right": ""
                        },
                        {
                            "left": "${E:A:values{extattrs}{DXL_Sync}{value}}",
                            "op": "==",
                            "right": "false"
                        }
                    ],
                    "stop": true
                }
            },
            {
                "name": "init_internal_data",
                "operation": "VARIABLEOP",
                "variable_ops": [
                    {
                        "operation": "ASSIGN",
                        "type": "DICTIONARY",
                        "destination": "L:internal",
                        "keys": [
                            "analyzer_ipv4",
                            "analyzer_ipv6",
                            "source_ipv4",
                            "source_ipv6",
                            "target_ipv4",
                            "target_ipv6",
                            "severity"
                        ],
                        "values": [
                            "",
                            "",
                            "",
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                  "",
                  "",
                  "",
                  "7"
               ]
            }
         ]
      },
      {
         "name": "check what operation types are allowed",
         "operation": "CONDITION",
         "condition": {
            "condition_type": "AND",
            "statements": [
               {
                  "left": "${I::OPERATION_TYPES}",
                  "op": "!~",
                  "right": "((?i).*${E::operation_type}.*)"
               }
            ],
            "next": "Fin"
         }
      },
      {
         "name": "is_analyzer_source_Network_ipv4",
         "operation": "CONDITION",
         "condition": {
            "statements": [
               {
                  "left": "${E::object_type}",
                  "op": "==",
                  "right": "Network"
               },
               {
                  "left": "${E::values{network}}",
                  "op": "!~",
                  "right": ":"
               }
            ],
            "condition_type": "AND",
            "eval": "${XC:COPY:{L:internal{analyzer_ipv4}}:
{E:member_ip}}${XC:COPY:{L:internal{source_ipv4}}:
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{E:member_ip}}${XC:ASSIGN:{L:IPv}:{I:4}}",
          "else_eval": "${XC:COPY:{L:internal{analyzer_ipv6}}:
{E:member_ip}}${XC:COPY:{L:internal{source_ipv6}}:
{E:member_ip}}${XC:ASSIGN:{L:IPv}:{I:6}}"
        }
    },
    {
        "name": "check if Network IPv4 to assign target_ipv4",
        "operation": "CONDITION",
        "condition": {
          "statements": [
              {
                  "left": "${E::event_type}",
                  "op": "==",
                  "right": "NETWORK_IPV4"
              }
          ],
          "condition_type": "AND",
          "eval": "${XC:COPY:{L:internal{target_ipv4}}:
{E:values{network}}}",
          "next": "is_severity_7"
        }
    },
    {
        "name": "check if Network IPv6 to assign target_ipv6",
        "operation": "CONDITION",
        "condition": {
          "statements": [
              {
                  "left": "${E::event_type}",
                  "op": "==",
                  "right": "NETWORK_IPV6"
              }
          ],
          "condition_type": "AND",
          "eval": "${XC:COPY:{L:internal{target_ipv6}}:
{E:values{network}}}"
        }
    },
    {
        "name": "is_severity_7",
        "operation": "CONDITION",
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      "condition": {
        "statements": [
          {
            "left": "1",
            "op": "==",
            "right": "1"
          }
        ],
        "condition_type": "AND",
        "eval": "${XC:ASSIGN:{L:internal{severity}}:{I:7}}"
      }
    },
    {
      "name": "check if network to assign values",
      "operation": "CONDITION",
      "condition": {
        "statements": [
          {
            "left": "${E::object_type}",
            "op": "==",
            "right": "Network"
          },
          {
            "left": "${E::object_type}",
            "op": "==",
            "right": "IPv6Network"
          }
        ],
        "condition_type": "OR",
        "eval": "${XC:COPY:{L:ruleName}:
{E:member_name}}${XC:FORMAT:TRUNCATE:{L:ruleName}:
{-128f}}${XC:COPY:{L:threatName}:
{E:values{_ref}}}${XC:FORMAT:TRUNCATE:{L:threatName}:
{-128f}}${XC:COPY:{L:DetectedUTC}:{E:timestamp}}${XC:ASSIGN:
{L:Obj_ref}:{S:}}${XC:ASSIGN:{L:network_view}:{S:default}}${XC:COPY:
{L:Object_type}:{E:object_type}}${XC:ASSIGN:{L:threatActionTaken}:
{S:Alert}}${XC:ASSIGN:{L:threatHandled}:{I:1}}${XC:COPY:
{L:operation_type}:{E:operation_type}}"
      }
    },
    {
      "name": "check GUID",
```

```json
      "operation": "CONDITION",
      "condition": {
        "condition_type": "OR",
        "statements": [
          {
            "left": "${E:A:values{extattrs}{ePO_GUID}{value}}",
            "op": "==",
            "right": ""
          }
        ],
        "eval": "${XC:COPY:{L:GUID}:{UT:UUID}}${XC:ASSIGN:
{L:GUIDtype}:{S:generated}}",
        "else_eval": "${XC:COPY:{L:GUID}:{E:values{extattrs}
{ePO_GUID}{value}}}${XC:ASSIGN:{L:GUIDtype}:{S:local}}"
      }
    },
    {
      "name": "jump if have GUID or no WAPI credentials or is delete",
      "operation": "CONDITION",
      "condition": {
        "condition_type": "OR",
        "statements": [
          {
            "left": "${L:A:GUIDtype}",
            "op": "==",
            "right": "local"
          },
          {
            "left": "${UT:A:WAPIUSERNAME}",
            "op": "==",
            "right": ""
          },
          {
            "left": "${E:A:operation_type}",
            "op": "==",
            "right": "DELETE"
          }
        ],
        "next": "Check if operation type was delete to avoid errors"
      }
    },
    {
```

```json
            "name": "Check if operation type was delete to avoid errors",
            "operation": "CONDITION",
            "condition": {
                "condition_type": "AND",
                "statements": [
                    {
                        "left": "${E:A:operation_type}",
                        "op": "==",
                        "right": "DELETE"
                    }
                ],
                "next": "check DXL_MessageFormat_Delete"
            }
        },
        {
            "name": "check ipv4 to updated sync and time stamp",
            "operation": "CONDITION",
            "condition": {
                "condition_type": "OR",
                "statements": [
                    {
                        "left": "${E::values{network}}",
                        "op": "=~",
                        "right": ":"
                    }
                ],
                "next": "updated ipv6 time stamp"
            }
        },
        {
            "name": "Get Network_IPv4 extattrs",
            "operation": "GET",
            "transport": {
                "path": "network?network=${E::values{network}}&_return_fields=extattrs"
            },
            "wapi": "v2.7"
        },
        {
            "name": "updated ipv4 time stamp",
            "operation": "PUT",
            "transport": {
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                "path": "${E:A:values{_ref}}"
            },
            "wapi": "v2.7",
            "wapi_quoting": "JSON",
            "body_list": [
                "{\"extattrs+\":{\"ePO_GUID\": { \"value\": \"${L:A:GUID}\"},
\"DXL_LastEventSentAt\": { \"value\": \"${E:A:timestamp}\"}}}"
            ]
        },
        {
            "name": "skip updating ipv6",
            "operation": "CONDITION",
            "condition": {
                "condition_type": "OR",
                "statements": [
                    {
                        "left": "1",
                        "op": "==",
                        "right": "1"
                    }
                ],
                "next": "GET Network IPv4 data"
            }
        },
        {
            "name": "Get Network_IPv6 extattrs",
            "operation": "GET",
            "transport": {
                "path": "ipv6network?network=${E::values{network}}
&_return_fields=extattrs"
            },
            "wapi": "v2.7"
        },
        {
            "name": "updated ipv6 time stamp",
            "operation": "PUT",
            "transport": {
                "path": "${E:A:values{_ref}}"
            },
            "wapi": "v2.7",
            "wapi_quoting": "JSON",
            "body_list": [
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        "{\"extattrs+\":{\"ePO_GUID\": { \"value\": \"${L:A:GUID}\"},
\"DXL_LastEventSentAt\": { \"value\": \"${E:A:timestamp}\"}}}"
      ]
    },
    {
      "name": "Check if network ipv6",
      "operation": "CONDITION",
      "condition": {
        "condition_type": "AND",
        "statements": [
          {
            "left": "${E::event_type}",
            "op": "==",
            "right": "NETWORK_IPV6"
          }
        ],
        "next": "GET Network IPv6 data"
      }
    },
    {
      "name": "GET Network IPv4 data",
      "operation": "GET",
      "transport": {
        "path": "network?network=${E::values{network}}&_return_fields=

authority,comment,conflict_count,ddns_generate_hostname,ddns_server_always_

d,update_dns_on_lease_renewal,utilization,utilization_update,zone_associations"
        "wapi": "v2.7"
    },
    {
      "name": "Debug#45",
      "operation": "NOP",
      "body": "${XC:DEBUG:{H:}}${XC:DEBUG:{E:}}${XC:DEBUG:
{I:}}${XC:DEBUG:{L:}}${XC:DEBUG:{S:}}${XC:DEBUG:{P:}}${XC:DEBUG:
{UT:}}${XC:DEBUG:{R:}}"
    },
    {
      "name": "set Network IPv4 vars",
      "operation": "NOP",
      "body_list": [
        "${XC:COPY:{L:authority}:{P:PARSE[0]{authority}}}",
```

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"${XC:COPY:{L:conflict_count}:{P:PARSE[0]{conflict_count}}}",
"${XC:COPY:{L:ddns_generate_hostname}:{P:PARSE[0]
{ddns_generate_hostname}}}",
"${XC:COPY:{L:ddns_server_always_updates}:{P:PARSE[0]
{ddns_server_always_updates}}}",
"${XC:COPY:{L:ddns_ttl}:{P:PARSE[0]{ddns_ttl}}}",
"${XC:COPY:{L:ddns_update_fixed_addresses}:{P:PARSE[0]
{ddns_update_fixed_addresses}}}",
"${XC:COPY:{L:ddns_use_option81}:{P:PARSE[0]
{ddns_use_option81}}}",
"${XC:COPY:{L:deny_bootp}:{P:PARSE[0]{deny_bootp}}}",
"${XC:COPY:{L:dhcp_utilization}:{P:PARSE[0]
{dhcp_utilization}}}",
"${XC:COPY:{L:dhcp_utilization_status}:{P:PARSE[0]
{dhcp_utilization_status}}}",
"${XC:COPY:{L:disable}:{P:PARSE[0]{disable}}}",
"${XC:COPY:{L:dynamic_hosts}:{P:PARSE[0]
{dynamic_hosts}}}",
"${XC:COPY:{L:email_list}:{P:PARSE[0]{email_list}}}",
"${XC:COPY:{L:enable_ddns}:{P:PARSE[0]{enable_ddns}}}",
"${XC:COPY:{L:enable_dhcp_thresholds}:{P:PARSE[0]
{enable_dhcp_thresholds}}}",
"${XC:COPY:{L:enable_discovery}:{P:PARSE[0]
{enable_discovery}}}",
"${XC:COPY:{L:enable_ifmap_publishing}:{P:PARSE[0]
{enable_ifmap_publishing}}}",
"${XC:COPY:{L:enable_pxe_lease_time}:{P:PARSE[0]
{enable_pxe_lease_time}}}",
"${XC:COPY:{L:extattrs}:{P:PARSE[0]{extattrs}{ePO_GUID}
{value}}}",
"${XC:COPY:{L:high_water_mark}:{P:PARSE[0]
{high_water_mark}}}",
"${XC:COPY:{L:high_water_mark_reset}:{P:PARSE[0]
{high_water_mark_reset}}}",
"${XC:COPY:{L:ignore_dhcp_option_list_request}:{P:PARSE[0]
{ignore_dhcp_option_list_request}}}",
"${XC:COPY:{L:ignore_id}:{P:PARSE[0]{ignore_id}}}",
"${XC:COPY:{L:ignore_mac_addresses}:{P:PARSE[0]
{ignore_mac_addresses}}}",
"${XC:COPY:{L:ipam_email_addresses}:{P:PARSE[0]
{ipam_email_addresses}}}",
"${XC:COPY:{L:ipam_threshold_settings}:{P:PARSE[0]
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{ipam_threshold_settings}}}",
            "${XC:COPY:{L:ipam_trap_settings}:{P:PARSE[0]
{ipam_trap_settings}}}",
            "${XC:COPY:{L:ipv4addr}:{P:PARSE[0]{ipv4addr}}}",
            "${XC:COPY:{L:lease_scavenge_time}:{P:PARSE[0]
{lease_scavenge_time}}}",
            "${XC:COPY:{L:logic_filter_rules}:{P:PARSE[0]
{logic_filter_rules}}}",
            "${XC:COPY:{L:low_water_mark}:{P:PARSE[0]
{low_water_mark}}}",
            "${XC:COPY:{L:low_water_mark_reset}:{P:PARSE[0]
{low_water_mark_reset}}}",
            "${XC:COPY:{L:members}:{P:PARSE[0]{members}}}",
            "${XC:COPY:{L:mgm_private}:{P:PARSE[0]{mgm_private}}}",
            "${XC:COPY:{L:mgm_private_overridable}:{P:PARSE[0]
{mgm_private_overridable}}}",
            "${XC:COPY:{L:netmask}:{P:PARSE[0]{netmask}}}",
            "${XC:COPY:{L:network}:{P:PARSE[0]{network}}}",
            "${XC:COPY:{L:network_container}:{P:PARSE[0]
{network_container}}}",
            "${XC:COPY:{L:network_view}:{P:PARSE[0]{network_view}}}",
            "${XC:COPY:{L:options}:{P:PARSE[0]{options}}}",
            "${XC:COPY:{L:port_control_blackout_setting}:{P:PARSE[0]
{port_control_blackout_setting}}}",
            "${XC:COPY:{L:recycle_leases}:{P:PARSE[0]
{recycle_leases}}}",
            "${XC:COPY:{L:rir}:{P:PARSE[0]{rir}}}",
            "${XC:COPY:{L:rir_registration_status}:{P:PARSE[0]
{rir_registration_status}}}",
            "${XC:COPY:{L:same_port_control_discovery_blackout}:
{P:PARSE[0]{same_port_control_discovery_blackout}}}",
            "${XC:COPY:{L:static_hosts}:{P:PARSE[0]{static_hosts}}}",
            "${XC:COPY:{L:subscribe_settings}:{P:PARSE[0]
{subscribe_settings}}}",
            "${XC:COPY:{L:total_hosts}:{P:PARSE[0]{total_hosts}}}",
            "${XC:COPY:{L:unmanaged}:{P:PARSE[0]{unmanaged}}}",
            "${XC:COPY:{L:update_dns_on_lease_renewal}:{P:PARSE[0]
{update_dns_on_lease_renewal}}}",
            "${XC:COPY:{L:utilization}:{P:PARSE[0]{utilization}}}",
            "${XC:COPY:{L:utilization_update}:{P:PARSE[0]
{utilization_update}}}",
            "${XC:COPY:{L:zone_associations}:{P:PARSE[0]

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{zone_associations}}}",
            "${XC:ASSIGN:{L:ddns_enable_option_fqdn}:{S:}}",
            "${XC:ASSIGN:{L:domain_name_servers}:{S:}}",
            "${XC:ASSIGN:{L:preferred_lifetime}:{S:}}",
            "${XC:ASSIGN:{L:valid_lifetime}:{S:}}"
        ]
    },
    {
        "name": "Check comment",
        "operation": "CONDITION",
        "condition": {
            "condition_type": "AND",
            "statements": [
                {
                    "left": "${P::PARSE[0]{comment}}",
                    "op": "!=",
                    "right": ""
                }
            ],
            "eval": "${XC:COPY:{L:comment}:{P:PARSE[0]{comment}}}",
            "else_eval": "${XC:ASSIGN:{L:comment}:{S:}}"
        }
    },
    {
        "name": "Debug#46",
        "operation": "NOP",
        "body": "${XC:DEBUG:{H:}}${XC:DEBUG:{E:}}${XC:DEBUG:
{I:}}${XC:DEBUG:{L:}}${XC:DEBUG:{S:}}${XC:DEBUG:{P:}}${XC:DEBUG:
{UT:}}${XC:DEBUG:{R:}}"
    },
    {
        "name": "Skip to send Data to DXL#7",
        "operation": "CONDITION",
        "condition": {
            "condition_type": "AND",
            "statements": [
                {
                    "left": "1",
                    "op": "==",
                    "right": "1"
                }
            ],
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                "next": "check DXL_MessageFormat"
            }
        },
        {
            "name": "GET Network IPv6 data",
            "operation": "GET",
            "transport": {
                "path": "ipv6network?network=${E::values{network}}&_return_fie
lds=ddns_enable_option_fqdn,comment,ddns_generate_hostname,ddns_

server_always_updates,ddns_ttl,disable,domain_name_servers,enable_ddns,enab

unmanaged,update_dns_on_lease_renewal,valid_lifetime,zone_associations"¢
                "wapi": "v2.7"
        },
        {
            "name": "Debug#47",
            "operation": "NOP",
            "body": "${XC:DEBUG:{H:}}${XC:DEBUG:{E:}}${XC:DEBUG:
{I:}}${XC:DEBUG:{L:}}${XC:DEBUG:{S:}}${XC:DEBUG:{P:}}${XC:DEBUG:
{UT:}}${XC:DEBUG:{R:}}"
        },
        {
            "name": "set Network IPv6 vars",
            "operation": "NOP",
            "body_list": [
                "${XC:COPY:{L:ddns_enable_option_fqdn}:{P:PARSE[0]
{ddns_enable_option_fqdn}}}",
                "${XC:COPY:{L:ddns_generate_hostname}:{P:PARSE[0]
{ddns_generate_hostname}}}",
                "${XC:COPY:{L:ddns_server_always_updates}:{P:PARSE[0]
{ddns_server_always_updates}}}",
                "${XC:COPY:{L:ddns_ttl}:{P:PARSE[0]{ddns_ttl}}}",
                "${XC:COPY:{L:disable}:{P:PARSE[0]{disable}}}",
                "${XC:COPY:{L:domain_name_servers}:{P:PARSE[0]
{domain_name_servers}}}",
                "${XC:COPY:{L:enable_ddns}:{P:PARSE[0]{enable_ddns}}}",
                "${XC:COPY:{L:enable_discovery}:{P:PARSE[0]
{enable_discovery}}}",
                "${XC:COPY:{L:enable_ifmap_publishing}:{P:PARSE[0]
{enable_ifmap_publishing}}}",
                "${XC:COPY:{L:extattrs}:{P:PARSE[0]{extattrs}{ePO_GUID}
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{value}}}",
          "${XC:COPY:{L:members}:{P:PARSE[0]{members}}}",
          "${XC:COPY:{L:mgm_private}:{P:PARSE[0]{mgm_private}}}",
          "${XC:COPY:{L:mgm_private_overridable}:{P:PARSE[0]
{mgm_private_overridable}}}",
          "${XC:COPY:{L:network}:{P:PARSE[0]{network}}}",
          "${XC:COPY:{L:network_container}:{P:PARSE[0]
{network_container}}}",
          "${XC:COPY:{L:network_view}:{P:PARSE[0]{network_view}}}",
          "${XC:COPY:{L:options}:{P:PARSE[0]{options}}}",
          "${XC:COPY:{L:port_control_blackout_setting}:{P:PARSE[0]
{port_control_blackout_setting}}}",
          "${XC:COPY:{L:preferred_lifetime}:{P:PARSE[0]
{preferred_lifetime}}}",
          "${XC:COPY:{L:recycle_leases}:{P:PARSE[0]
{recycle_leases}}}",
          "${XC:COPY:{L:rir}:{P:PARSE[0]{rir}}}",
          "${XC:COPY:{L:rir_registration_status}:{P:PARSE[0]
{rir_registration_status}}}",
          "${XC:COPY:{L:same_port_control_discovery_blackout}:
{P:PARSE[0]{same_port_control_discovery_blackout}}}",
          "${XC:COPY:{L:subscribe_settings}:{P:PARSE[0]
{subscribe_settings}}}",
          "${XC:COPY:{L:unmanaged}:{P:PARSE[0]{unmanaged}}}",
          "${XC:COPY:{L:update_dns_on_lease_renewal}:{P:PARSE[0]
{update_dns_on_lease_renewal}}}",
          "${XC:COPY:{L:valid_lifetime}:{P:PARSE[0]{valid_lifetime}}}",
          "${XC:COPY:{L:zone_associations}:{P:PARSE[0]
{zone_associations}}}",
          "${XC:ASSIGN:{L:authority}:{S:}}",
          "${XC:ASSIGN:{L:conflict_count}:{S:}}",
          "${XC:ASSIGN:{L:ddns_update_fixed_addresses}:{S:}}",
          "${XC:ASSIGN:{L:ddns_use_option81}:{S:}}",
          "${XC:ASSIGN:{L:deny_bootp}:{S:}}",
          "${XC:ASSIGN:{L:dhcp_utilization}:{S:}}",
          "${XC:ASSIGN:{L:dhcp_utilization_status}:{S:}}",
          "${XC:ASSIGN:{L:dynamic_hosts}:{S:}}",
          "${XC:ASSIGN:{L:email_list}:{S:}}",
          "${XC:ASSIGN:{L:enable_dhcp_thresholds}:{S:}}",
          "${XC:ASSIGN:{L:enable_pxe_lease_time}:{S:}}",
          "${XC:ASSIGN:{L:high_water_mark}:{S:}}",
          "${XC:ASSIGN:{L:high_water_mark_reset}:{S:}}",
```

```
        "${XC:ASSIGN:{L:ignore_dhcp_option_list_request}:{S:}}",
        "${XC:ASSIGN:{L:ignore_id}:{S:}}",
        "${XC:ASSIGN:{L:ignore_mac_addresses}:{S:}}",
        "${XC:ASSIGN:{L:ipam_email_addresses}:{S:}}",
        "${XC:ASSIGN:{L:ipam_threshold_settings}:{S:}}",
        "${XC:ASSIGN:{L:ipam_trap_settings}:{S:}}",
        "${XC:ASSIGN:{L:ipv4addr}:{S:}}",
        "${XC:ASSIGN:{L:lease_scavenge_time}:{S:}}",
        "${XC:ASSIGN:{L:logic_filter_rules}:{S:}}",
        "${XC:ASSIGN:{L:low_water_mark}:{S:}}",
        "${XC:ASSIGN:{L:low_water_mark_reset}:{S:}}",
        "${XC:ASSIGN:{L:netmask}:{S:}}",
        "${XC:ASSIGN:{L:static_hosts}:{S:}}",
        "${XC:ASSIGN:{L:total_hosts}:{S:}}",
        "${XC:ASSIGN:{L:utilization}:{S:}}",
        "${XC:ASSIGN:{L:utilization_update}:{S:}}"
    ]
},
{
    "name": "Check comment#2",
    "operation": "CONDITION",
    "condition": {
        "condition_type": "AND",
        "statements": [
            {
                "left": "${P::PARSE[0]{comment}}",
                "op": "!=",
                "right": ""
            }
        ],
        "eval": "${XC:COPY:{L:comment}:{P:PARSE[0]{comment}}}",
        "else_eval": "${XC:ASSIGN:{L:comment}:{S:}}"
    }
},
{
    "name": "check DXL_MessageFormat",
    "operation": "CONDITION",
    "condition": {
        "condition_type": "AND",
        "statements": [
            {
                "left": "${I::DXL_MessageFormat}",
```

```
              "op": "==",
              "right": "CEF"
          }
        ],
        "next": "send_CEF"
      }
    },
    {
      "name": "Debug#48",
      "operation": "NOP",
      "body": "${XC:DEBUG:{H:}}${XC:DEBUG:{E:}}${XC:DEBUG:
{I:}}${XC:DEBUG:{L:}}${XC:DEBUG:{S:}}${XC:DEBUG:{P:}}${XC:DEBUG:
{UT:}}${XC:DEBUG:{R:}}"
    },
    {
      "name": "send_OpenDXL",
      "operation": "DXL_SEND_EVENT",
      "body_list": [
        "{",
        "   \"eventMsgType\": \"Infoblox Change Event\",",
        "   \"eventMsgVersion\": \"1.0\",",
        "   \"event\": {",
        "       \"category\": \"${E::event_type}\",",
        "       \"eventDesc\": \"DNS ${E::event_type}
${E::operation_type} event\",",
        "       \"eventType\": \"${E::operation_type}\",",
        "       \"eventId\": \"204163\",",
        "       \"analyzer\": {",
        "           \"id\": \"S_INFBLX0802\",",
        "           \"version\": \"8.2.1\",",
        "           \"name\": \"NIOS\",",
        "           \"detectionMethod\": \"NIOS\",",
        "           \"hostName\": \"${E::member_name}\",",
        "           \"detectedUTC\": \"${L::DetectedUTC}\",",
        "           \"ipv4\": \"${L::internal{analyzer_ipv4}}\",",
        "           \"ipv6\": \"${L::internal{analyzer_ipv6}}\"",
        "       },",
        "       \"entity\": {",
        "           \"groupName\": \"\",",
        "           \"osPlatform\": \"\",",
        "           \"osType\": \"\",",
        "           \"type\": \"\",",
```

"   \"sessionID\": \"\",",
"   \"authority\": \"${L::authority}\",",
"   \"conflict_count\": \"${L::conflict_count}\",",
"   \"ddns_generate_hostname\":
\"${L::ddns_generate_hostname}\",",
"   \"ddns_server_always_updates\":
\"${L::ddns_server_always_updates}\",",
"   \"ddns_ttl\": \"${L::ddns_ttl}\",",
"   \"ddns_update_fixed_addresses\":
\"${L::ddns_update_fixed_addresses}\",",
"   \"ddns_use_option81\": \"${L::ddns_use_option81}\",",
"   \"deny_bootp\": \"${L::deny_bootp}\",",
"   \"dhcp_utilization\": \"${L::dhcp_utilization}\",",
"   \"dhcp_utilization_status\":
\"${L::dhcp_utilization_status}\",",
"   \"disable\": \"${L::disable}\",",
"   \"dynamic_hosts\": \"${L::dynamic_hosts}\",",
"   \"enable_ddns\": \"${L::enable_ddns}\",",
"   \"enable_dhcp_thresholds\":
\"${L::enable_dhcp_thresholds}\",",
"   \"enable_discovery\": \"${L::enable_discovery}\",",
"   \"enable_ifmap_publishing\":
\"${L::enable_ifmap_publishing}\",",
"   \"enable_pxe_lease_time\":
\"${L::enable_pxe_lease_time}\",",
"   \"high_water_mark\": \"${L::high_water_mark}\",",
"   \"high_water_mark_reset\":
\"${L::high_water_mark_reset}\",",
"   \"ignore_dhcp_option_list_request\":
\"${L::ignore_dhcp_option_list_request}\",",
"   \"ignore_id\": \"${L::ignore_id}\",",
"   \"ipv4addr\": \"${L::ipv4addr}\",",
"   \"lease_scavenge_time\":
\"${L::lease_scavenge_time}\",",
"   \"low_water_mark\": \"${L::low_water_mark}\",",
"   \"low_water_mark_reset\":
\"${L::low_water_mark_reset}\",",
"   \"mgm_private\": \"${L::mgm_private}\",",
"   \"mgm_private_overridable\":
\"${L::mgm_private_overridable}\",",
"   \"netmask\": \"${L::netmask}\",",
"   \"network\": \"${L::network}\",",

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"            \"network_container\": \"${L::network_container}\",",
"            \"network_view\": \"${L::network_view}\",",
"            \"recycle_leases\": \"${L::recycle_leases}\",",
"            \"rir\": \"${L::rir}\",",
"            \"rir_registration_status\":
\"${L::rir_registration_status}\",",
"            \"same_port_control_discovery_blackout\":
\"${L::same_port_control_discovery_blackout}\",",
"            \"static_hosts\": \"${L::static_hosts}\",",
"            \"subscribe_settings\": \"${L::subscribe_settings}\",",
"            \"total_hosts\": \"${L::total_hosts}\",",
"            \"unmanaged\": \"${L::unmanaged}\",",
"            \"update_dns_on_lease_renewal\":
\"${L::update_dns_on_lease_renewal}\",",
"            \"utilization\": \"${L::utilization}\",",
"            \"utilization_update\": \"${L::utilization_update}\",",
"            \"ddns_enable_option_fqdn\":
\"${L::ddns_enable_option_fqdn}\",",
"            \"ddns_generate_hostname\":
\"${L::ddns_generate_hostname}\",",
"            \"preferred_lifetime\": \"${L::preferred_lifetime}\",",
"            \"comment\": \"${L::comment}\",",
"            \"valid_lifetime\": \"${L::valid_lifetime}\"",
"        },",
"        \"extattr\":{",
"            \"ePO_GUID\": \"${L::extattrs}\"",
"        },",
"        \"source\": {",
"            \"ipv4\": \"${L::internal{source_ipv4}}\",",
"            \"ipv6\": \"${L::internal{source_ipv6}}\",",
"            \"port\": 00000",
"        }",
"    }",
"}"
],
"dxl_topic": "/open/DDI/v1/${E::event_type}/infoblox"
},
{
    "name": "Debug#50",
    "operation": "NOP",
    "body": "${XC:DEBUG:{H:}}${XC:DEBUG:{E:}}${XC:DEBUG:
{I:}}${XC:DEBUG:{L:}}${XC:DEBUG:{S:}}${XC:DEBUG:{P:}}${XC:DEBUG:
```

{UT:}}${XC:DEBUG:{R:}}"
    },
    {
        "name": "goFin",
        "operation": "CONDITION",
        "condition": {
            "condition_type": "OR",
            "statements": [
                {
                    "left": "1",
                    "op": "==",
                    "right": "1"
                }
            ],
            "next": "Fin"
        }
    },
    {
        "name": "send_CEF",
        "operation": "DXL_SEND_EVENT",
        "body_list": [
            "{\"DXLCommonEvent\":{",
            "\"category\": \"${E::event_type}\",",
            "\"eventDesc\": \"DNS ${E::event_type} ${E::operation_type} event\",",
            "\"eventType\": \"${E::operation_type}\",",
            "\"eventId\": \"204163\",",
            "\"AgentGUID\": \"${L::GUID}\",",
            "\"Analyzer\": \"${L::internal{analyzer_ipv4}}${L::internal{analyzer_ipv6}}\",",
            "\"AnalyzerDATVersion\": \"\",",
            "\"AnalyzerDetectionMethod\": \"${E::object_type}\",",
            "\"AnalyzerHostName\": \"${E::member_name}\",",
            "\"AnalyzerIPV4\": \"${L::internal{analyzer_ipv4}}\",",
            "\"AnalyzerIPV6\": \"${L::internal{analyzer_ipv6}}\",",
            "\"AnalyzerMAC\": \"\",",
            "\"AnalyzerName\": \"NIOS\",",
            "\"AnalyzerVersion\": \"8.2.1\",",
            "\"DetectedUTC\": \"${L::DetectedUTC}\",",
            "\"ServerID\": \"${L::internal{analyzer_ipv4}}${L::internal{analyzer_ipv6}}\",",
            "\"SourceIPV4\": \"${L::internal{source_ipv4}}\",",

\"SourceIPV6\": \"${L::internal{source_ipv6}}\",",
\"SourcePort\": \"00000\",",
\"TargetHostName\": \"${E::member_name}\",",
\"TargetIPV4\": \"${L::internal{analyzer_ipv4}}\",",
\"TargetIPV6\": \"${L::internal{analyzer_ipv6}}\",",
\"TargetPort\": \"53\",",
\"TargetProtocol\": \"dns\",",
\"authority\": \"${L::authority}\",",
\"conflict_count\": \"${L::conflict_count}\",",
\"ddns_generate_hostname\":
\"${L::ddns_generate_hostname}\",",
\"ddns_server_always_updates\":
\"${L::ddns_server_always_updates}\",",
\"ddns_ttl\": \"${L::ddns_ttl}\",",
\"ddns_update_fixed_addresses\":
\"${L::ddns_update_fixed_addresses}\",",
\"ddns_use_option81\": \"${L::ddns_use_option81}\",",
\"deny_bootp\": \"${L::deny_bootp}\",",
\"dhcp_utilization\": \"${L::dhcp_utilization}\",",
\"dhcp_utilization_status\": \"${L::dhcp_utilization_status}\",",
\"disable\": \"${L::disable}\",",
\"dynamic_hosts\": \"${L::dynamic_hosts}\",",
\"enable_ddns\": \"${L::enable_ddns}\",",
\"enable_dhcp_thresholds\": \"${L::enable_dhcp_thresholds}\",",
\"enable_discovery\": \"${L::enable_discovery}\",",
\"enable_ifmap_publishing\":
\"${L::enable_ifmap_publishing}\",",
\"enable_pxe_lease_time\": \"${L::enable_pxe_lease_time}\",",
\"high_water_mark\": \"${L::high_water_mark}\",",
\"high_water_mark_reset\": \"${L::high_water_mark_reset}\",",
\"ignore_dhcp_option_list_request\":
\"${L::ignore_dhcp_option_list_request}\",",
\"ignore_id\": \"${L::ignore_id}\",",
\"ipv4addr\": \"${L::ipv4addr}\",",
\"lease_scavenge_time\": \"${L::lease_scavenge_time}\",",
\"low_water_mark\": \"${L::low_water_mark}\",",
\"low_water_mark_reset\": \"${L::low_water_mark_reset}\",",
\"mgm_private\": \"${L::mgm_private}\",",
\"mgm_private_overridable\":
\"${L::mgm_private_overridable}\",",
\"netmask\": \"${L::netmask}\",",
\"network\": \"${L::network}\",",

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        \"network_container\": \"${L::network_container}\",",
        \"network_view\": \"${L::network_view}\",",
        \"recycle_leases\": \"${L::recycle_leases}\",",
        \"rir\": \"${L::rir}\",",
        \"rir_registration_status\": \"${L::rir_registration_status}\",",
        \"same_port_control_discovery_blackout\":
\"${L::same_port_control_discovery_blackout}\",",
        \"static_hosts\": \"${L::static_hosts}\",",
        \"subscribe_settings\": \"${L::subscribe_settings}\",",
        \"total_hosts\": \"${L::total_hosts}\",",
        \"unmanaged\": \"${L::unmanaged}\",",
        \"ePO_GUID\": \"${L::extattrs}\"",
        \"update_dns_on_lease_renewal\":
\"${L::update_dns_on_lease_renewal}\",",
        \"utilization\": \"${L::utilization}\",",
        \"utilization_update\": \"${L::utilization_update}\",",
        \"ddns_enable_option_fqdn\":
\"${L::ddns_enable_option_fqdn}\",",
        \"ddns_generate_hostname\":
\"${L::ddns_generate_hostname}\",",
        \"comment\": \"${L::comment}\",",
        \"preferred_lifetime\": \"${L::preferred_lifetime}\",",
        \"valid_lifetime\": \"${L::valid_lifetime}\"",
        "}}"
      ],
      "dxl_topic": "/infoblox/outbound/${E::event_type}"
    },
    {
      "name": "goFin#2",
      "operation": "CONDITION",
      "condition": {
        "condition_type": "OR",
        "statements": [
          {
            "left": "1",
            "op": "==",
            "right": "1"
          }
        ],
        "next": "Fin"
      }
    },
```

```
    {
        "name": "check DXL_MessageFormat_Delete",
        "operation": "CONDITION",
        "condition": {
            "condition_type": "AND",
            "statements": [
                {
                    "left": "${I::DXL_MessageFormat}",
                    "op": "==",
                    "right": "CEF"
                }
            ],
            "next": "send_CEF_Delete"
        }
    },
    {
        "name": "send_OpenDXL_Delete",
        "operation": "DXL_SEND_EVENT",
        "body_list": [
            "{",
            "   \"eventMsgType\": \"Infoblox Change Event\",",
            "   \"eventMsgVersion\": \"1.0\",",
            "   \"event\": {",
            "       \"category\": \"${E::event_type}\",",
            "       \"eventDesc\": \"DNS ${E::event_type}
${E::operation_type} event\",",
            "       \"eventType\": \"${E::operation_type}\",",
            "       \"eventId\": \"204163\",",
            "       \"analyzer\": {",
            "           \"id\": \"S_INFBLX0802\",",
            "           \"version\": \"8.2.1\",",
            "           \"name\": \"NIOS\",",
            "           \"detectionMethod\": \"NIOS\",",
            "           \"hostName\": \"${E::member_name}\",",
            "           \"detectedUTC\": \"${L::DetectedUTC}\",",
            "           \"ipv4\": \"${L::internal{analyzer_ipv4}}\",",
            "           \"ipv6\": \"${L::internal{analyzer_ipv6}}\"",
            "       },",
            "       \"source\": {",
            "           \"ipv4\": \"${L::internal{source_ipv4}}\",",
            "           \"ipv6\": \"${L::internal{source_ipv6}}\",",
            "           \"port\": 00000",
```

```
            "        }",
            "    }",
            "}"
        ],
        "dxl_topic": "/open/DDI/v1/${E::event_type}/infoblox"
    },
    {
        "name": "goFin#3",
        "operation": "CONDITION",
        "condition": {
            "condition_type": "OR",
            "statements": [
                {
                    "left": "1",
                    "op": "==",
                    "right": "1"
                }
            ],
            "next": "Fin"
        }
    },
    {
        "name": "send_CEF_Delete",
        "operation": "DXL_SEND_EVENT",
        "body_list": [
            "{\"DXLCommonEvent\":{",
            "\"category\": \"${E::event_type}\",",
            "\"eventDesc\": \"DNS ${E::event_type} ${E::operation_type} event\",",
            "\"eventType\": \"${E::operation_type}\",",
            "\"eventId\": \"204163\",",
            "\"AgentGUID\": \"${L::GUID}\",",
            "\"Analyzer\": \"${L::internal{analyzer_ipv4}}${L::internal{analyzer_ipv6}}\",",
            "\"AnalyzerDATVersion\": \"\",",
            "\"AnalyzerDetectionMethod\": \"${E::object_type}\",",
            "\"AnalyzerHostName\": \"${E::member_name}\",",
            "\"AnalyzerIPV4\": \"${L::internal{analyzer_ipv4}}\",",
            "\"AnalyzerIPV6\": \"${L::internal{analyzer_ipv6}}\",",
            "\"AnalyzerMAC\": \"\",",
            "\"AnalyzerName\": \"NIOS\",",
            "\"AnalyzerVersion\": \"8.2.1\",",
```

```
                    "\"DetectedUTC\": \"${L::DetectedUTC}\",",
                    "\"ServerID\":
\"${L::internal{analyzer_ipv4}}${L::internal{analyzer_ipv6}}\",",
                    "\"SourceIPV4\": \"${L::internal{source_ipv4}}\",",
                    "\"SourceIPV6\": \"${L::internal{source_ipv6}}\",",
                    "\"SourcePort\": \"00000\",",
                    "\"TargetHostName\": \"${E::member_name}\",",
                    "\"TargetIPV4\": \"${L::internal{analyzer_ipv4}}\",",
                    "\"TargetIPV6\": \"${L::internal{analyzer_ipv6}}\",",
                    "\"TargetPort\": \"53\",",
                    "\"TargetProtocol\": \"dns\"",
                    "}}"
                ],
                "dxl_topic": "/infoblox/outbound/${E::event_type}"
            },
            {
                "name": "Fin",
                "operation": "NOP",
                "body": ""
            }
        ]
    }
```