AMQP Event Notifications

For supported software information, click here.

When you enable object notification in Director and when an event occurs on a Director node or a Versa Operating System^{TM} (VOS^{TM}) device, Versa Director publishes event AMQP notifications.

An event notification is called by a routing key, and it has the following format:

> [Severity].[Event-Type].[Event-Entity].[Organization].[User]

The following table explains the components of the routing key.

Field	Description
Severity	How severe the event is: • Critical • Major • Minor • Indeterminate
Event Type	http://*director-ip-address*:*port*/api/config/alarms/alarm-model/alarm-type
Event Entity	Device identifier.
Organization	Organization identifier. If there is no organization, the default is System.
User	Name of the user. For system-level actions, the user is System.

Note that for Releases 20.2 and later, all ZTP AMQP event notification keys use hyphens instead of underscores. For example, ztp_staging_start changes to ztp-staging-start.

Appliance CPU Threshold

Routing Key

Critical.versa-director-evt:appliance-cpu-usage-exceeded-hard-limit.7bc14324-f21c-4841-b8df-49400e7afd4a.
System.System

AMQP Notification

```
{
    "message_id ": 62,
    "event_type ": "versa - director - evt: appliance - cpu - usage - exceeded - hard - limit ",
    "event_entity ": "7 bc14324 - f21c - 4841 - b8df - 49400e7 afd4a ",
    "severity ": "Critical ",
    "organization ": "System ",
    "user ": "System ",
    "payload ": {
        "alarm - type ": "versa - director - evt: appliance - cpu - usage - exceeded - hard - limit ",
        "eventText ": "CPU usage on appliance osapp3,slot - id: 0(VM name: osapp3 - VCSN - VM) exceeded hard
limit.Threshold value: [CPU usage: 90] current value[94]"
    },
    "event_time ": "2015 - 03 - 06 T17: 38: 40.263000 + 00: 00 ",
    "director_hostname":"versa-director-master",
    "director_mgmt_ip":"10.192.111.51",
    "managed_object ": " / versa - nms: nms / provider / appliances / appliance[uuid = '7bc14324-f21c-4841-b8df-
49400e7afd4a']"
}
```

Appliance Creation

Routing Key

Indeterminate.versa-evt:create-object.Branch-COLT.COLT.System

AMQP Notification

```
{
    "message_id": 7348,
    "event_type": "versa-evt:create-object",
    "event_entity": "Branch-COLT",
    "severity": "Indeterminate",
    "organization": "COLT,Versa",
    "user": "System",
    "payload": {
        "appliance-name": "Branch-COLT",
        "eventText": "create-object status:SUCCESS",
        "uuid": "11520295-5c98-4e2c-a767-28f8e4d28749",
        "serialNum": "SR207"
    },
    "event_time": "2019-03-19T08:57:23.213000+00:00",
    "director_hostname": "versa-director-master",
    "director_mgmt_ip": "10.192.111.51",
    "managed_object": "Branch-COLT-create-object"
}
```

Appliance Deletion

Routing Key

Indeterminate.versa-director-evt:delete-appliance.JustOneMore.System.System

AMQP Notification

```
{
    "message_id": 584,
    "event_type": "versa-director-evt:delete-appliance",
    "event_entity": "JustOneMore",
    "severity": "Indeterminate",
    "organization": "System",
    "user": "System",
    "payload": {
        "alarm-type": "versa-director-evt:delete-appliance",
        "eventText": "status:SUCCESS"
    },
    "event_time": "2016-02-11T09:15:53.680000+00:00",
    "director_hostname":"versa-director-master",
    "director_mgmt_ip":"10.192.111.51",
    "managed_object": "/versa-nms:nms/provider/appliances/appliance[name='JustOneMore']"
}
```

Appliance Down, Not Reachable

Routing Key

Major.versa-director-evt:appliance-ping-state-change.1e99490c-83f6-4fae-8d74-ea64bcd09c87.System.System

AMQP Notification

```
{
    "message_id": 65,
    "event_type": "versa-director-evt:appliance-ping-state-change",
    "event_entity": "1e99490c-83f6-4fae-8d74-ea64bcd09c87",
    "severity": "Major",
    "organization": "System",
    "user": "System",
    "payload": {
        "alarm-type": "versa-director-evt:appliance-ping-state-change",
        "eventText": "Versa Appliance Ranga-App : Ping Status changed from REACHABLE to UNREACHABLE.
Additional information[ ]"
    },
    "event_time": "2016-01-13T07:28:05.714000+00:00",
    "director_hostname":"versa-director-master",
    "director_mgmt_ip":"10.192.111.51",
    "managed_object": "/versa-nms:nms/provider/appliances/appliance[uuid= '1e99490c-83f6-4fae-8d74-
ea64bcd09c87']"
```

```
}
```

Appliance Final Configuration Completed

Routing Key

Indeterminate.versa-evt:appliance-final-configuration-completed.Branch7.System.System

AMQP Notification

```
{
    "message_id": 4,
    "event_type ":"
    versa - evt: appliance - final - configuration - completed ",
    "event_entity": "Branch7",
    "severity": "Indeterminate",
    "organization": "System",
    "user": "System",
    "payload": {
        "alarm-type": " versa-evt:appliance-final-configuration-completed ",
        "eventText": " appliance-final-configuration-completedstatus:SUCCESS"
    },
    "event_time": " 2017-07-21T00:41:46.085000+00:00",
    "director_hostname":"versa-director-master",
    "director_mgmt_ip":"10.192.111.51",
    "managed_object": "Branch7-appliance-final-configuration-completed"
}
```

Appliance HA Switchover

Routing Key

Indeterminate.versa-evt:ha-state-change.App1.System.System

AMQP Notification

```
{
    "message_id": 120,
    "event_type": "versa-evt:ha-state-change",
    "event_entity": "App1",
    "severity": "Indeterminate",
    "organization": "System",
    "user": "System",
    "payload": {
        "alarm-type": "versa-evt:ha-state-change",
        "eventText": "HA: VSN: 0 in Inter-Chassis mode, changing role to HA-Active during appliance-switchover"
    },
    "event_time": "2016-01-29T14:49:14.000000-00:00",
    "director_hostname":"versa-director-master",
```

        "director_mgmt_ip":"10.192.111.51",
        "managed_object": "/ncs:devices/ncs:device[ncs:name='App1']/config//ha:redundancy"
    }

Routing Key

Indeterminate.versa-evt:ha-state-change.Ranga-App.System.System

AMQP Notification

    {
        "message_id": 121,
        "event_type": "versa-evt:ha-state-change",
        "event_entity": "App",
        "severity": "Indeterminate",
        "organization": "System",
        "user": "System",
        "payload": {
            "alarm-type": "versa-evt:ha-state-change",
            "eventText": "HA: VSN: 0 in Inter-Chassis mode, changing role to HA-Standby during bootup"
        },
        "event_time": "2016-01-29T14:49:22.000000-00:00",
        "director_hostname":"versa-director-master",
        "director_mgmt_ip":"10.192.111.51",
        "managed_object": "/ncs:devices/ncs:device[ncs:name='App']/config//ha:redundancy"
    }

Appliance Memory Threshold

Routing Key

Critical.versa-director-evt:appliance-memory-usage-exceeded-hard-limit.7bc14324-f21c-4841-b8df-49400e7afd4a.System.System

AMQP Notification

    {
        "message_id ": 62,
        "event_type ": "versa - director - evt: appliance - memory - usage - exceeded - hard - limit ",
        "event_entity ": "7 bc14324 - f21c - 4841 - b8df - 49400e7 afd4a ",
        "severity ": "Critical ",
        "organization ": "System ",
        "user ": "System ",
        "payload ": {
            "alarm - type ": "versa - director - evt: appliance - memory - usage - exceeded - hard - limit ",
            "eventText ": "Memory usage on appliance osapp3,slot - id: 0(VM name: osapp3 - VCSN - VM) exceeded
hard limit.Threshold value: [Memory usage: 70] current value[78]"
        },
        "event_time ": "2015 - 03 - 06 T17: 38: 40.263000 + 00: 00 ",
        "director_hostname":"versa-director-master",
        "director_mgmt_ip":"10.192.111.51",

```
    "managed_object ": " / versa - nms: nms / provider / appliances / appliance[uuid = '7bc14324-f21c-4841-b8df-
49400e7afd4a']"
}
```

Appliance Power Status Change from On to Off

Routing Key

Critical.versa-director-evt:appliance-power-state-change.7bc14324-f21c-4841-b8df-49400e7afd4a.System.
System

AMQP Notification

```
{
    "message_id ": 34,
    "event_type ": "versa - director - evt: appliance - power - state - change ",
    "event_entity ": "7 bc14324 - f21c - 4841 - b8df - 49400e7 afd4a ",
    "severity ": "Critical ",
    "organization ": "System ",
    "user ": "System ",
    "payload ": {
        "alarm - type ": "versa - director - evt: appliance - power - state - change ",
        "eventText ": "osapp3: Appliance Power Status changed from POWERED_ON to POWERED_OFF.
Additional information[]"
    },
    "event_time ": "2015 - 03 - 06 T15: 01: 57.125000 + 00: 00 ",
    "director_hostname":"versa-director-master",
    "director_mgmt_ip":"10.192.111.51",
    "managed_object ": " / versa - nms: nms / provider / appliances / appliance[uuid = '7bc14324-f21c-4841-b8df-
49400e7afd4a']"
}
```

Appliance Services Degradation

Routing Key

Critical.versa-director-evt:appliance-services-state-change.7bc14324-f21c-4841-b8df-49400e7afd4a.System.
System

AMQP Notification

```
{
    "message_id ": 62,
    "event_type ": "versa - director - evt: appliance - services - state - change ",
    "event_entity ": "7 bc14324 - f21c - 4841 - b8df - 49400e7 afd4a ",
    "severity ": "Critical ",
    "organization ": "System ",
    "user ": "System ",
    "payload ": {
```

        "alarm - type ": "versa - director - evt: appliance - services - state - change ",
        "eventText ": "osapp3: Services Status changed from GOOD to DEGRADED.Additional information[]"
    },
    "event_time ": "2015 - 03 - 06 T17: 38: 40.263000 + 00: 00 ",
    "director_hostname":"versa-director-master",
    "director_mgmt_ip":"10.192.111.51",
    "managed_object ": " / versa - nms: nms / provider / appliances / appliance[uuid = '7bc14324-f21c-4841-b8df-49400e7afd4a']"
}

Appliance Services Down

Routing Key

Critical.versa-director-evt:appliance-services-state-change.7bc14324-f21c-4841-b8df-49400e7afd4a.System.System

AMQP Notification

{
    "message_id": 6673,
    "event_type": "versa-evt:appliance-services-state-changed",
    "event_entity": "Branch-Pepsi",
    "severity": "Critical",
    "organization": "Pepsi-Eng,Versa,Pepsi,Pepsi-Finance",
    "user": "System",
    "payload": {
        "appliance-name": "Branch-Pepsi",
        "eventText": "appliance-services-state-changed Versa Appliance Branch-Pepsi : Services Status changed from GOOD to UNKNOWN. Additional information[ ]",
        "uuid": "ac604ca8-9ad3-4398-a566-1c0564ca346e",
        "serialNum": "SR101"
    },
    "event_time": "2019-03-18T06:36:45.419000+00:00",
    "director_hostname": "versa-director-master",
    "director_mgmt_ip": "10.192.111.51",
    "managed_object": "/versa-nms:nms/provider/appliances/appliance[uuid= 'ac604ca8-9ad3-4398-a566-1c0564ca346e']"
}

Appliance Sync State Change

Routing Key

Minor.versa-director-evt:appliance-sync-state-change.1e99490c-83f6-4fae-8d74-ea64bcd09c87.System.System

AMQP Notification

{

    "message_id": 6674,
    "event_type": "versa-evt:appliance-sync-state-changed",
    "event_entity": "Branch-Pepsi",
    "severity": "Minor",
    "organization": "Pepsi-Eng,Versa,Pepsi,Pepsi-Finance",
    "user": "System",
    "payload": {
        "appliance-name": "Branch-Pepsi",
        "eventText": "appliance-sync-state-changed Versa Appliance Branch-Pepsi : Sync Status changed from IN_
SYNC to UNKNOWN. Additional information[ ]",
        "uuid": "ac604ca8-9ad3-4398-a566-1c0564ca346e",
        "serialNum": "SR101"
    },
    "event_time": "2019-03-18T06:36:45.419000+00:00",
    "director_hostname": "versa-director-master",
    "director_mgmt_ip": "10.192.111.51",
    "managed_object": "/versa-nms:nms/provider/appliances/appliance[uuid= 'ac604ca8-9ad3-4398-a566-
1c0564ca346e']"
}

Disable Versa Director HA

Routing Key

Indeterminate.versa-director-evt:ha-disable.VOAEDEVHA1.System.System

AMQP Notification

{
    "message_id": 11,
    "event_type": "versa-director-evt:ha-disable",
    "event_entity": "VOAEDEVHA1",
    "severity": "Indeterminate",
    "organization": "System",
    "user": "System",
    "payload": {
        "alarm-type": "versa-director-evt:ha-disable",
        "eventText": "status:STARTED,triggered_by:Administrator,"
    },
    "event_time": "2015-03-07T08:05:32.146000+00:00",
    "director_hostname":"versa-director-master",
    "director_mgmt_ip":"10.192.111.51",
    "managed_object": "VOAEDEVHA1-ha:disable-ha"
}

Routing Key

Indeterminate.versa-director-evt:ha-disable.VOAEDEVHA1.System.System

AMQP Notification

```json
{
    "message_id": 12,
    "event_type": "versa-director-evt:ha-disable",
    "event_entity": "VOAEDEVHA1",
    "severity": "Indeterminate",
    "organization": "System",
    "user": "System",
    "payload": {
        "alarm-type": "versa-director-evt:ha-disable",
        "eventText": "status:SUCCESS,triggered_by:Administrator,"
    },
    "event_time": "2015-03-07T08:05:32.617000+00:00",
    "director_hostname":"versa-director-master",
    "director_mgmt_ip":"10.192.111.51",
    "managed_object": "VOAEDEVHA1-ha:disable-ha"
}
```

Enable Versa Director HA

Routing Key

Indeterminate.versa-director-evt:ha-enable.VOAEDEVHA1.System.System

AMQP Notification

```json
{
    "message_id": 13,
    "event_type": "versa-director-evt:ha-enable",
    "event_entity": "VOAEDEVHA1",
    "severity": "Indeterminate",
    "organization": "System",
    "user": "System",
    "payload": {
        "alarm-type": "versa-director-evt:ha-enable",
        "eventText": "status:STARTED,triggered_by:Administrator,"
    },
    "event_time": "2015-03-07T08:10:31.055000+00:00",
    "director_hostname":"versa-director-master",
    "director_mgmt_ip":"10.192.111.51",
    "managed_object": "VOAEDEVHA1-ha:enable-ha"
}
```

Routing Key

Indeterminate.versa-director-evt:ha-enable.VOAEDEVHA1.System.System

AMQP Notification

```json
{
    "message_id": 17,
    "event_type": "versa-director-evt:ha-enable",
```

```
    "event_entity": "VOAEDEVHA1",
    "severity": "Indeterminate",
    "organization": "System",
    "user": "System",
    "payload": {
        "alarm-type": "versa-director-evt:ha-enable",
        "eventText": "slave:10.192.27.27,status:SUCCESS,master:10.192.27.26,triggered_by:Administrator,"
    },
    "event_time": "2015-03-07T08:10:54.401000+00:00",
    "director_hostname":"versa-director-master",
    "director_mgmt_ip":"10.192.111.51",
    "managed_object": "VOAEDEVHA1-ha:enable-ha"
}
```

Scale In

Routing Key

Indeterminate.versa-director-evt:scale-in.10March.System.System

AMQP Notification

```
{
    "message_id": 8,
    "event_type": "versa-director-evt:scale-in",
    "event_entity": "10March",
    "severity": "Indeterminate",
    "organization": "System",
    "user": "System",
    "payload": {
        "alarm-type": "versa-director-evt:scale-in",
        "eventText": "cpuUtil:1,iocapacityutil:0,memoryUtil:10,miscloadFactor:1,sng-id:0,capacity:0.
0,vcpu:8,vnics:5,vsns:1,status:SUCCESS"
    },
    "event_time": "2015-03-10T14:40:52.356000+00:00",
    "director_hostname":"versa-director-master",
    "director_mgmt_ip":"10.192.111.51",
    "managed_object": "/versa-nms:nms/provider/appliances/appliance[name='10March']"
}
```

Scale Out

Routing Key

Indeterminate.versa-director-evt:scale-out.10March.System.System

AMQP Notification

{

    "message_id": 6,
    "event_type": "versa-director-evt:scale-out",
    "event_entity": "10March",
    "severity": "Indeterminate",
    "organization": "System",
    "user": "System",
    "payload ": {
        "alarm - type ": "versa - director - evt: scale - out ",
        "eventText ": "cpuUtil: 1,iocapacityutil: 0,memoryUtil: 11,miscloadFactor: 1,sng - id: 0,capacity: 0.0,vcpu: 8,vnics: 10,vsns: 2,status: SUCCESS "
    },
    "event_time ": "2015 - 03 - 10 T13: 25: 32.493000 + 00: 00 ",
    "director_hostname":"versa-director-master",
    "director_mgmt_ip":"10.192.111.51",
    "managed_object ": " / versa - nms: nms / provider / appliances / appliance[name = '10March']"
}

Task Execution Complete

Routing Key

Indeterminate.versa-evt:task-execution-complete.537.System.System

AMQP Notification

{
    "message_id": 34367,
    "event_type": "versa-evt:task-execution-complete",
    "event_entity": "537",
    "severity": "Indeterminate",
    "organization": "System",
    "user": "System",
    "payload": {
        "alarm-type": "versa-evt:task-execution-complete",
        "eventText": "task-execution-complete Upgrade Appliance: Controller-2; Upgrade Appliance: Controller-2, Status=Success"
    },
    "event_time": "2018-10-15T07:37:59.578000+00:00",
    "managed_object": "537-task-execution-complete"
}

Routing Key

Indeterminate.versa-evt:task-execution-complete.538.System.System

AMQP Notification

{
    "message_id": 34373,
    "event_type": "versa-evt:task-execution-complete",
    "event_entity": "538",

```
    "severity": "Indeterminate",
    "organization": "System",
    "user": "System",
    "payload": {
        "alarm-type": "versa-evt:task-execution-complete",
        "eventText": "task-execution-complete Upload package FlexVNF-16.1R2-S5.1-13-10-18 to appliance:
Branch-Suraj-1; Upload package FlexVNF-16.1R2-S5.1-13-10-18 to appliance: Branch-Suraj-1,
Status=Success"
    },
    "event_time": "2018-10-15T07:41:43.502000+00:00",
    "managed_object": "538-task-execution-complete"
}
```

Versa Director Failover Auto

This alarm is triggered when the Versa Director performs an automatic failover and the active HA is not reachable. This alarm is generated by the active HA node. When the backup HA sends a failover started message, the backup HA node changes its state to active HA and sends a failover success message.

Routing Key

Indeterminate.versa-director-evt:ha-auto-failover.VOAEDEVHA1.System.System

AMQP Notification

```
{
    "message_id": 8,
    "event_type ": "versa - director - evt: ha - auto - failover ",
    "event_entity ": "VOAEDEVHA1 ",
    "severity ": "Indeterminate ",
    "organization ": "System ",
    "user ": "System ",
    "payload ": {
        "alarm - type ": "versa - director - evt: ha - auto - failover ",
        "eventText ": "status: STARTED, triggered_by: system, "
    },
    "event_time ": "2015 - 03 - 07 T06: 59: 05.697000 + 00: 00 ",
    "director_hostname":"versa-director-master",
    "director_mgmt_ip":"10.192.111.51",
    "managed_object ": "VOAEDEVHA1 - ha: auto - failover "
}
```

Routing Key

Indeterminate.versa-director-evt:ha-auto-failover.VOAEDEVHA1.System.System

AMQP Notification

```
{
    "message_id ": 8,
```

```
"event_type ": "versa - director - evt: ha - auto - failover ",
"event_entity ": "VOAEDEVHA1 ",
"severity ": "Indeterminate ",
"organization ": "System ",
"user ": "System ",
"payload ": {
    "alarm - type ": "versa - director - evt: ha - auto - failover ",
    "eventText ": "slave: 10.192 .27 .27,status: SUCCESS,master: 10.192 .27 .26,triggered_by: system ,"
},
"event_time ": "2015 - 03 - 07 T07: 03: 36.321000 + 00: 00 ",
"director_hostname":"versa-director-master",
"director_mgmt_ip":"10.192.111.51",
"managed_object ": "VOAEDEVHA1 - ha: auto - failover "
}
```

Versa Director Failover Manual

This alarm is triggered when you perform a Versa Director failover manually. This alarm is generated by the active HA node. When the active HA sends a failover started message, the active HA node changes its state to backup HA and sends a failover success message.\

Routing Key

Indeterminate.versa-director-evt:ha-manual-failover.VOAEDEVHA2.System.System

AMQP Notification

```
{
    "message_id": 6,
    "event_type": "versa-director-evt:ha-manual-failover",
    "event_entity": "VOAEDEVHA2",
    "severity": "Indeterminate",
    "organization": "System",
    "user": "System",
    "payload": {
        "alarm-type": "versa-director-evt:ha-manual-failover",
        "eventText": "status:STARTED,triggered_by:Administrator,"
    },
    "event_time": "2015-03-07T06:55:15.231000+00:00",
    "director_hostname":"versa-director-master",
    "director_mgmt_ip":"10.192.111.51",
    "managed_object": "VOAEDEVHA2-ha:manual-failover"
}
```

Routing Key

Indeterminate.versa-director-evt:ha-manual-failover.VOAEDEVHA2.System.System

AMQP Notification

```
{
    "message_id": 6,
    "event_type": "versa-director-evt:ha-manual-failover",
    "event_entity": "VOAEDEVHA2",
    "severity": "Indeterminate",
    "organization": "System",
    "user": "System",
    "payload": {
        "alarm-type": "versa-director-evt:ha-manual-failover",
        "eventText": "slave:10.192.27.26,status:SUCCESS,master:10.192.27.27,triggered_by:Administrator,"
    },
    "event_time": "2015-03-07T06:55:16.203000+00:00",
    "director_hostname":"versa-director-master",
    "director_mgmt_ip":"10.192.111.51",
    "managed_object": "VOAEDEVHA2-ha:manual-failover"
}
```

Versa Director HA Master Arrived

This alarm is triggered when the designated active node becomes reachable. This alarm is generated by the active HA node.

Routing Key

Cleared.versa-director-evt:ha-master-arrived.ranga-dev2.System.System

AMQP Notification

```
{
    "message_id": 110,
    "event_type": "versa-director-evt:ha-master-arrived",
    "event_entity": "ranga-dev2",
    "severity": "Cleared",
    "organization": "System",
    "user": "System",
    "payload": {
        "appliance-name": "ranga-dev2",
        "alarm-type": "versa-director-evt:ha-master-arrived",
        "isCleared": "true",
        "eventText": "Master Arrived : Master 10.192.60.11"
    },
    "event_time": "2016-09-26T09:07:06.357000+00:00",
    "director_hostname":"versa-director-master",
    "director_mgmt_ip":"10.192.111.51",
    "managed_object": "/versa-nms:nms/provider/appliances/appliance[name='ranga-dev2']"
}
```

Versa Director HA Master Dead

This alarm is triggered when an active HA node is not reachable. This alarm is generated by the backup HA node.

Routing Key

Warning.versa-director-evt:ha-slave-died.VOAEDEVHA1.System.System

AMQP Notification

```
{
    "message_id": 4,
    "event_type": "versa-director-evt:ha-master-died",
    "event_entity": "VOAEDEVHA1",
    "severity": "Warning",
    "organization": "System",
    "user": "System",
    "payload": {
        "alarm-type": "versa-director-evt:ha-slave-died",
        "eventText": "master:10.192.27.26,triggered_by:system,"
    },
    "event_time": "2015-03-07T06:59:05.399+00:00",
    "director_hostname":"versa-director-master",
    "director_mgmt_ip":"10.192.111.51",
    "managed_object": "VOAEDEVHA1-ha:master-died"
}
```

Versa Director HA Slave Arrived

This alarm is triggered when a backup HA node transitions from an unreachable to a reachable state. This alarm is generated by the active HA node.

Routing Key

Indeterminate.versa-director-evt:ha-slave-arrived.VOAEDEVHA1.System.System

AMQP Notification

```
{
    "message_id": 2,
    "event_type": "versa-director-evt:ha-slave-arrived",
    "event_entity": "VOAEDEVHA1",
    "severity": "Indeterminate",
    "organization": "System",
    "user": "System",
    "payload": {
        "alarm-type": "versa-director-evt:ha-slave-arrived",
        "eventText": "slave:10.192.27.27,triggered_by:system,"
    },
```

```
        "event_time": "2015-03-07T06:52:23.048000+00:00",
        "director_hostname":"versa-director-master",
        "director_mgmt_ip":"10.192.111.51",
        "managed_object": "VOAEDEVHA1-ha:slave-arrived"
    }
```

Versa Director HA Slave Dead

This alarm is triggered when a backup HA node is not reachable. This alarm is generated by the active HA node.

Routing Key

Warning.versa-director-evt:ha-slave-died.VOAEDEVHA1.System.System

AMQP Notification

```
{
    "message_id": 4,
    "event_type": "versa-director-evt:ha-slave-died",
    "event_entity": "VOAEDEVHA1",
    "severity": "Warning",
    "organization": "System",
    "user": "System",
    "payload": {
        "alarm-type": "versa-director-evt:ha-slave-died",
        "eventText": "slave:10.192.27.27,triggered_by:system,"
    },
    "event_time": "2015-03-07T06:55:14.929000+00:00",
    "director_hostname":"versa-director-master",
    "director_mgmt_ip":"10.192.111.51",
    "managed_object": "VOAEDEVHA1-ha:slave-died"
}
```

Versa Director License Expiration

This alarm is generated if the Versa Director license will expire in less than 30 days. If the license will expire in less than 7 days, this alarm is generated every 6 hours.

Routing Key

Warning.versa-director-evt:license-validity.VersaDirector.System.System

AMQP Notification

```
{
    "message_id": 32,
    "event_type": "versa-director-evt:license-validity",
    "event_entity": "VersaDirector",
```

```
    "severity": "Warning",
    "organization": "System",
    "user": "System",
    "payload": {
        "alarm-type": "versa-director-evt:license-validity",
        "eventText": "Versa Director License expires in 29 days"
    },
    "event_time": "2016-04-06T12:28:17.023000+00:00",
    "director_hostname":"versa-director-master",
    "director_mgmt_ip":"10.192.111.51",
    "managed_object": "VersaDirector-license-validity"
}
```

ZTP Branch Connected

Routing Key

Indeterminate.versa-evt:ztp_branch_connected.ac82c9a0-6572-4d22-8645-c95b76151030.System.System

AMQP Notification

```
{
    "message_id": 15563,
    "event_type": "versa-evt:ztp_branch_connected",
    "event_entity": "ac82c9a0-6572-4d22-8645-c95b76151030",
    "severity": "Indeterminate",
    "organization": "System",
    "user": "System",
    "payload": {
        "alarm-type": "versa-evt:ztp_branch_connected",
        "eventText": "ztp_branch_connected  Branch Branch-AMQP connected to Versa Director successfully after
applying post-staging template"
    },
    "event_time": "2018-06-08T09:37:50.460000+00:00",
    "director_hostname":"versa-director-master",
    "director_mgmt_ip":"10.192.111.51",
    "managed_object": "Branch-AMQP-ztp_branch_connected"
}
```

ZTP Cannot Start

For Release 20.2 and later.

This message is generated when there is a hardware serial number mismatch.

Routing Key

Indeterminate.versa-evt:ztp-cannot-start.Device1.System.System

AMQP Message

```
{
    "messageId":119,
    "severity":"Indeterminate",
    "eventType":"versa-evt:ztp-cannot-start",
    "eventEntity":"Device1",
    "organization":"System",
    "user":"System",
    "subTypes":[" "],
    "subtype":null,
    "taskid":null,
    "payload": {
        "serialNum":"12345678",
        "appliance-name":"Device1",
        "eventText":"ztp-cannot-start ZTP Cannot Start on Appliance: Device1",
        "uuid":"5c7c084b-6acb-4f6e-808f-ee05c8ad7b98"
    },
    "eventTime":"2019-08-19T22:06:16.069000+00:00",
    "eventSource":null,
    "eventCategory":null,
    "resourceType":null,
    "resourceUUID":null,
    "description":null,
    "directorHostname":"dir-master",
    "directorMgmtIP":"10.40.72.115",
    "managedObject":"Device1-ztp-cannot-start",
    "rootCauseObjects":null,
    "subTypePrefix":[" "]
}
```

ZTP Device Registration

For Releases 20.2 and later.

Routing Key

Indeterminate.versa-evt:ztp-device-registration.DeviceNZTP.System.System

AMQP Message

```
{
    "messageId":126,
    "severity":"Indeterminate","eventType":"versa-evt:ztp-device-registration",
    "eventEntity":"DeviceNZTP",
    "organization":"System",
    "user":"System",
    "subTypes":[" "],
    "subtype":null,
    "taskid":null,
    "payload": {
```

```
        "serialNum":"d023e7cc-73bc-4e4f-b1c8-85a6a69c97ab",
        "eventText":"ztp-device-registration
            Device registration details: deviceName=DeviceNZTP,
            serialNumber=d023e7cc-73bc-4e4f-b1c8-85a6a69c97ab,
            siteName=DeviceNZTP,
            regToken=B5RELoOVsKk-6OgMMPC90yHV1eY65ipGCpObQGkQ7TqXsKpw0BfTe0w_-CttK1_
    3jkpNHD31QTKF\n
            sjmx9E0xtvNlpoH5xAnTd3HVINg5iWWxcbUx7oz-tFJTwz3iayy_Blupxx3dBwQpVoPSJJ40V8Sc\n
            Z0ra1-IyXGiXL3GxYUdqJa3IRgaxfdL_v0fFiAGv0YjNBWIL6q8_pXA2QnoYrpC5E-6O4EA8TDix\n
            sUbFExHNKUpXH9zD-f9yXFbq3Joi\n"
    },
    "eventTime":"2019-08-19T22:31:31.068000+00:00",
    "eventSource":null,
    "eventCategory":null,
    "resourceType":null,
    "resourceUUID":null,
    "description":null,"directorHostname":"dir-master",
    "directorMgmtIP":"10.40.72.115",
    "managedObject":"DeviceNZTP-ztp-device-registration",
    "rootCauseObjects":null,"subTypePrefix":[" "]
}
```

ZTP Failure

Routing Key

Indeterminate.versa-evt:ztp_failed.Branch-4.System.System

AMQP Notification

```
{
    "message_id": 15837,
    "event_type": "versa-evt:ztp_failed",
    "event_entity": "Branch-4",
    "severity": "Indeterminate",
    "organization": "System",
    "user": "System",
    "payload": {
        "alarm-type": "versa-evt:ztp_failed",
        "eventText": "ztp_failed  ZTP Failed for branch { Branch-4 }{5000=RPC error towards Branch-4: unknown_
    namespace: /rpc/edit-config/config}",
        "serialNum": "Sr004"
    },
    "event_time": "2018-06-08T14:22:41.702000+00:00",
    "director_hostname":"versa-director-master",
    "director_mgmt_ip":"10.192.111.51",
    "managed_object": "Branch-4-ztp_failed"
}
```

ZTP Poststaging Failed

Routing Key

Indeterminate.versa-evt:ztp_poststaging_failed.Branch-Pepsi.System.System

AMQP Notification

```
{
    "message_id": 3673,
    "event_type": "versa-evt:ztp_poststaging_failed",
    "event_entity": "Branch-Pepsi",
    "severity": "Indeterminate",
    "organization": "System",
    "user": "System",
    "payload": {
        "appliance-name": "Branch-Pepsi",
        "eventText": "ztp_poststaging_failed  ZTP Failed at poststaging for branch { Branch-Pepsi }{5000=
Configuration template not assosiated with the device }",
        "uuid": "187efa53-adf9-467a-8c8f-5fe6dc971557",
        "serialNum": "SR101"
    },
    "event_time": "2019-01-28T18:00:20.185000+00:00",
    "director_hostname": "versa-director-master",
    "director_mgmt_ip": "10.192.111.51",
    "managed_object": "Branch-Pepsi-ztp_poststaging_failed"
}
```

ZTP Poststaging Start

Routing Key

Indeterminate.versa-evt:ztp_poststaging_start.Branch-Versa-PreStage.System.System

AMQP Notification

```
{
    "message_id": 3837,
    "event_type": "versa-evt:ztp_poststaging_start",
    "event_entity": "Branch-Versa-PreStage",
    "severity": "Indeterminate",
    "organization": "System",
    "user": "System",
    "payload": {
        "eventText": "ztp_poststaging_start  ZTP started poststaging to apply staging template Versa on Branch-
Versa-PreStage serialNumber: SR117",
        "serialNum": "SR117"
    },
    "event_time": "2019-01-28T18:34:35.182000+00:00",
    "director_hostname": "versa-director-master",
```

```json
    "director_mgmt_ip": "10.192.111.51",
    "managed_object": "Branch-Versa-PreStage-ztp_poststaging_start"
}
```

ZTP Staging Failed

Routing Key

Indeterminate.versa-evt:ztp_staging_failed.Branch-Versa-PreStage.Versa.System

AMQP Notification

```json
{
    "message_id": 4004,
    "event_type": "versa-evt:ztp_staging_failed",
    "event_entity": "Branch-Versa-PreStage",
    "severity": "Indeterminate",
    "organization": "Versa",
    "user": "System",
    "payload": {
        "appliance-name": "Branch-Versa-PreStage",
        "eventText": "ztp_staging_failed  ZTP Failed at staging for branch { Branch-Versa-PreStage
}{5000=Connection to Branch-Versa-PreStage timed out}",
        "uuid": "c10f365d-3d47-4e11-9c38-2736cd8896b2",
        "serialNum": "SR117"
    },
    "event_time": "2019-01-29T11:37:52.383000+00:00",
    "director_hostname": "versa-director-master",
    "director_mgmt_ip": "10.192.111.51",
    "managed_object": "Branch-Versa-PreStage-ztp_staging_failed"
}
```

ZTP Staging Start

Routing Key

Indeterminate.versa-evt:ztp_staging_start.Branch-Versa-PreStage.Versa.System

AMQP Notification

```json
{
    "message_id": 3959,
    "event_type": "versa-evt:ztp_staging_start",
    "event_entity": "Branch-Versa-PreStage",
    "severity": "Indeterminate",
    "organization": "Versa",
    "user": "System",
    "payload": {
        "appliance-name": "Branch-Versa-PreStage",
```

      "eventText": "ztp_staging_start ZTP started staging to apply staging template Template-Prestaging on Branch-Versa-PreStage serialNumber: SR117",
      "uuid": "db185cc0-b70b-47ea-b3e3-3b1ffb5a20e5",
      "serialNum": "SR117"
    },
    "event_time": "2019-01-29T10:59:37.394000+00:00",
    "director_hostname": "versa-director-master",
    "director_mgmt_ip": "10.192.111.51",
    "managed_object": "Branch-Versa-PreStage-ztp_staging_start"
}

Supported Software Information

Releases 20.2 and later support all content described in this article.

Additional Information

[Configure AMQP Notifications](#)
[Object Change Notifications](#)