

Terminate OpenStack VNF Using EO

Call Session Control Function

OPERATING INSTRUCTIONS

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1 Description

This instruction describes how to terminate a Virtual Network Function (VNF) using Ericsson Orchestrator (EO).





2 Procedure

2.1 Terminate a VNF

Prerequisites

- The VNF is instantiated using the EO.
- The following virtual and physical hardware and software are required:
 - EO version 18.0 is available.
 - One of the following Virtual Infrastructure Managers (VIMs) is used:
 - OpenStack Mitaka or newer
 - CEE R6 or newer
- In EO, the VIM zone, Virtual Data Center (VDC), and Signaling Route Test (SRT) are configured, the external Virtual Network Function Manager (VNFM) is registered. For more information on configuring EO, see System Administration Guide 1543-CNH 160 9180.
- No documents are required.
- No tools are required.



Attention!

Risk of system malfunction or traffic disturbance.

Do not execute a workflow instance on a VNF while another is in progress, as it can lead to unexpected behavior. If a new workflow procedure is needed, terminate the ongoing procedure before starting a new.

Steps

1. In EO, select the Virtual Application (VAPP) to terminate and click **Delete**.
2. On the **Terminate VAPP** form, provide termination options, and click **Terminate**.

The following termination options are available:

- **Graceful**



The Virtual Machines (VMs) in the cluster are gracefully locked, the VNF instance gradually stops accepting new calls and registration. The VNF is terminated after the expiration of the graceful termination period.

— **Forceful**

The VNF is terminated immediately, all ongoing traffic is lost. This option must be confirmed on the next view.

— **Graceful termination time-out (sec)**

The graceful termination time-out value defines after how many seconds the VNF is terminated when graceful termination has been applied but there is still ongoing traffic. Default value: -1, meaning that there is no graceful termination period, that is, the VNF is terminated only after all VMs stopped processing traffic.

Note: Do not modify configuration data in the **Configuration Parameters** field.

3. Click **Terminate**.

The VMs in the cluster are terminated with the method selected in Step 2, the VNF instance stops processing traffic, and is terminated.

2.2 Troubleshooting

If the workflow execution fails, inspect the relevant logs to identify the cause of the failure.

Steps

1. Increase the log level from INFO to DEBUG. For information on how to change log level, see VNF Lifecycle Manager System Administrator Guide, 1543-APR 901 0578.
2. Inspect the following logs to identify the cause of the failure:
 - Jboss Server log: /ericsson/3pp/jboss/standalone/log/server.log
 - System log: /var/log/messages
 - Workflow log: the **Workflow Log** view in the VNF-LCM
3. If the **Workflow Log** view reports Authentication failed, repair the Secure Shell (SSH) key between the VNF-LCM and the CSCF. See Section Check SSH Key for Authentication in CSCF Troubleshooting Guideline.
4. If a problem cannot be solved, consult the next level of maintenance support and provide the logs. Further actions are outside the scope of this instruction.