

Instantiate VNF Using EO MTAS

OPERATING INSTRUCTIONS

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Contents

1	Description	1
2	Procedure	1
2.1	Instantiate a VNF	1
2.2	Troubleshooting	2





1 Description

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

Instantiation in EO consists of preparatory steps, during which HOT files, the VNF configuration file, and other Cloud infrastructure-related input are provided. The actual instantiation is done by EO triggering an instantiation workflow in VNF-LCM.

For more information about the VNF-LCM, see [MTAS VNF Lifecycle Management](#).

2 Procedure

2.1 Instantiate a VNF

Prerequisites

- No tools are required.
- The following condition must apply:
 - The Onboard procedure is completed. For more information, see [Onboard VNF Package on EO](#).
 - The user is logged on to EO.

Steps

1. In the EO, start a new Virtual Application (VAPP).
2. In **Resources > Packages**, select the package to deploy and click **Deploy**.
3. On the **Search for Offers** view, select values for the mandatory fields, and click **Next**.
4. On the **Choose Offer** view, select the VNF package to be used for instantiation, and click **Next**.
5. On the **Set VIM Criteria** view, click **Next**.
6. On the **Choose VIM Zone** view, select the desired VIM zone, and click **Next**.
7. On the **Enter Attributes** view, provide values for the fields of the **VAPP Attributes** tab:



- **Virtual Application Name**, which is also the name of the Heat stack
- **VNF Manager** - The VNF Manager chosen during onboarding is pre-selected.
- **Flavor** - The virtual hardware configuration of the VNF, for example: number of vCPUs and memory size.

Note: The value provided for **Flavor** is not used at this point, but as it is a mandatory field, a dummy value must be provided.

8. On the **Enter Attributes** view, provide the `VNFD_Wrapper.json` file on the **Configuration** tab. It is possible to overwrite the `VNFD_Wrapper.json` file provided during onboarding either by uploading an updated file or by modifying the attribute values on the **Configuration** tab.
9. Click **Submit Order** to finalize instantiation.

Result:

On the opening window, click **View Asset List** to check the status of the instantiation order. EO triggers an instantiation workflow in VNF-LCM, and the VNF becomes visible in the used VNFM.

Note: If the EO and the VNF-LCM are in a mutually granting connection, the new instance appears in the VNF-LCM after a successful instantiation from the EO.

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 Administration 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 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.