

Parameter List for Virtual Deployment

Ericsson Dynamic Activation 1

ENGINEERING DATA

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1 Introduction

This document describes the basic information on how to configure a virtualized Ericsson Dynamic Activation (EDA) system. By using this document readers are able to get necessary information about the parameters used in the installation.

1.1 Target Groups

The target groups for this document are as follows:

- Network Administrator
- System Administrators
- System Integrator
- Technicians who perform hardware installation and the first power on

Basic knowledge about Linux and general information about Dynamic Activation is needed for installation of the software.

1.2 Typographic Conventions

Typographic conventions are described in the document *Library Overview*, Reference [3].

For information about abbreviations used throughout this document refer to *Glossary of Terms and Acronyms*, Reference [1].

1.2.1 Parameters

The parameters in this document can be of the following types:

P - Predefined, not possible to change.

C - Customer configured after discussions with Ericsson.

D - Default, possible to change.

S - Site specific parameters. The site specific parameters can be identified in *Customer Questionnaire for Virtual and Cloud Deployment*, Reference [2].





2 Configuration

The following tables list parameters used when configuring Dynamic Activation in a virtualized deployment.

Table 1 contains cluster wide parameters, and Table 2 contains node specific parameters.

For more detailed information regarding network configuration, refer to *Network Description and Configuration for Virtual and Cloud Deployment*, Reference [4].

Note: If IPv6 is used for one of the applicable parameters in the table below, all IPv6 parameters throughout this document become mandatory.

Table 1 Cluster Wide Parameters

Parameter	Description	Type
O&M VIPv4	Source and destination IP address for all GUI and SNMP traffic	S, IP address
O&M VIPv6 (Optional)	Source and destination IP address for all GUI traffic	S, IP address
Traffic VIPv4	Source and destination IP address for all provisioning traffic.	S, IP address
Traffic VIPv6 (Optional)	Source and destination IP address for all provisioning traffic.	S, IP address
Private VIPv4	Internal moveable IP address, used as NAT gateway address for real servers	S, IP address
Private VIPv6 (Optional)	Internal moveable IP address, used as NAT gateway address for real servers	S, IP address
Domain Name	The name of the domain that the nodes in the virtual cluster will belong to. For example epk.ericsson.se	S, Domain name
DNS Primary IP	Address to primary DNS	S, IP address
DNS Secondary IP	Address to secondary DNS	S, IP address
NTP Primary IP	Address to primary NTP server	S, IP address
NTP Secondary IP	Address to secondary NTP server	S, IP address
O&M Bridge	The name of the bridge that enables access to the O&M network	S, Bridge name
Traffic Bridge	The name of the bridge that enables access to the Traffic network	S, Bridge name
Private Bridge	The name of the bridge that enables access to the Private network	S, Bridge name
O&M Gateway IPv4	Address to gateway for communicating with servers on the O&M network	S, IP address
O&M Gateway IPv6 (Optional)	Address to gateway for communicating with servers on the O&M network	S, IP address
Traffic Gateway IPv4	Address to gateway for communicating with servers on the Traffic network	S, IP address



Parameter	Description	Type
Traffic Gateway IPv6 (Optional)	Address to gateway for communicating with servers on the Traffic network	S, IP address
O&M Netmask	Netmask for the O&M network	S, Netmask
Traffic Netmask	Netmask for the Traffic network	S, Netmask
Private Netmask	Netmask for the Private network	S, Netmask
Virtual Router ID	Virtual Router ID for VRRP implementation	S, Virtual Router ID
OSS IP	Address to the OSS towards which the cluster will send alarms	S, IP address

Table 2 Node specific parameters

Parameter	Description	Type
VM ID	The name of the VM in the hypervisor	S, VM name
VM Host Name	The hostname of the actual VM (not the host)	S, Hostname
#vCPUs	The number of vCPUs that must be allocated to this VM	S, #vCPUs
Amount of RAM	The amount of memory that must be allocated to this VM	S, Amount of RAM
O&M IPv4	The address of this VM that will use to communicate on the O&M network	S, IP address
O&M IPv6 (Optional)	The address of this VM that will use to communicate on the O&M network	S, IP address
Traffic IPv4	The address of this VM that will use to communicate on the Traffic network	S, IP address
Traffic IPv6 (Optional)	The address of this VM that will use to communicate on the Traffic network	S, IP address
Internal IPv4	The address of this VM that will use to communicate on the Private network	S, IP address
Internal IPv6 (Optional)	The address of this VM that will use to communicate on the Private network	S, IP address



3 Disk Partitioning

The following table lists configurable parameters for disk partitioning.

For information about changing size of the partitions, see *System Administrators Guide for Virtual and Cloud Deployment*, Reference [5].

Table 3 Disk Partitioning Labels

Label	Device name	Mount point	Size	Description	Type
CAS_D ATA	/dev/mapper/vol group00-lv_cas data	/var/cassandra/ data	Same as the size of the raw disk created and attached from the host system - 40GB	Cassandra Data storage.	P





Reference List

- [1] *Glossary of Terms and Acronyms*, 0033-CSH 109 628 Uen
- [2] *Customer Questionnaire for Virtual and Cloud Deployment*, 2/1057-CSH 109 628 Uen
- [3] *Library Overview*, 18/1553-CSH 109 628 Uen
- [4] *Network Description and Configuration for Virtual and Cloud Deployment*, 1/1551-CSH 109 628 Uen
- [5] *System Administrators Guide for Virtual and Cloud Deployment*, 3/1543-CSH 109 628 Uen