

Parameter List for Openstack Deployment

Ericsson Dynamic Activation 1

ENGINEERING DATA

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1 Introduction

This document describes the basic information on how to configure a Dynamic Activation system in an OpenStack deployment. 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 the VNF installation

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 an OpenStack environment.

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

Note: For Dynamic Activation deployed in OpenStack environment, only pure IPv4 is supported.

Table 1 Configuration Parameters for OpenStack Infrastructure

Parameter	Description
Stack Name	Name of the infra stack to be created
Name of Provider Network	Name of the external/provider network
Management/provisioning network address	Internal network handling provisioning and O&M operations
Internal Network Address	Internal network handling all internal communication between

Table 2 Configuration Parameters for OpenStack Cluster

Parameter	Description
Stack Name	Name of the cluster stack to be created
VM hostname prefix	The prefix that will be used in the beginning of the host names number postfix will also be added to complete host names, -1,
Name of provider Network	Name of the external/provider network
EDA cluster VRID	Virtual router ID, must be unique when deploying several vEM Value 0-255
Name of the vEDA image	Image name for deploying EDA compute instance
EDA VM flavor	EDA flavor to be used for all instances in the cluster
Availability Zone	Choose in which Zone the EDA cluster will be deployed in
Volume Size	Size of the blockstorage that will be created and attached to n Used by cassandra
Number of EDA instances in addition to the minimum 3 mandatory instances	Additional EDA instances to be deployed. 1 will create 4 in tota
VM TimeZone	The timezone to be set on VM's
NTP server IP	IP address for the external NTP server
DNS server IP	IP address for the external DNS server
Redundant NTP server IP	IP address for the redundant external NTP server, if not used
Redundant DNS server IP	IP address for the redundant external DNS server, if not used





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/vdb2	/var/cassandra/ data	Ephemeral stor age allocated to VM during deploy time –10 GB (CAS_COM LOG)	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