

Glossary of Terms and Acronyms

Cloud Execution Environment

TERMINOLOGY

Copyright

© Ericsson AB 2016. All rights reserved. No part of this document may be reproduced in any form without the written permission of the copyright owner.

Disclaimer

The contents of this document are subject to revision without notice due to continued progress in methodology, design and manufacturing. Ericsson shall have no liability for any error or damage of any kind resulting from the use of this document.

Trademark List

All trademarks mentioned herein are the property of their respective owners. These are shown in the document Trademark Information.



Contents

1	Introduction	1
2	Terms	1
	Glossary	2





1 Introduction

This document defines the terms and acronyms used in the documentation for Ericsson Cloud Execution Environment.

This document explains terms and abbreviations in Ericsson Cloud Execution Environment documentation, including some for cross-reference purposes. The arrow symbol \Rightarrow indicates a reference to another entry.

2 Terms

Term	Description of the term.
Acronym	Acronym expansion. Description of the term.



Glossary

ACL

Access Control List

AEF

Additional Environment File

ALUA

Asymmetric Logical Unit Access

AMQP

Advanced Message Queuing Protocol

API

Application Programming Interface

ARP

Address Resolution Protocol

ASP

Application Service Provider

BBSC

Broadband Service Controller

BGCI

Blade Group Control Interface

BGP

Border Gateway Protocol

BGW

Border Gateway

BIOS

Basic Input/Output System

BM

Bare Metal

BOM

Bill Of Material

BoQ

Bill of Quantity

BSP

Blade Server Platform

C-VLAN

Customer VLAN

CA

Certificate Authority

cApp

Cloud Application

CCM

Continuity Check Message

Command Centre Manager

CEE

Cloud Execution Environment

CEEADM

Cloud Execution Environment Administrator

CFM

Connectivity Fault Management

CIC

Cloud Infrastructure Controller

The CIC domain

CIDR

Classless Inter-Domain Routing

CLI

Command-Line Interface

CM-HA

Continuous Monitoring High Availability

CMS

Console Management Server

CMU

Chassis Management Unit

CMX

Component Main Switch

**CMXB**

Component Main Switch Board

compute host

Physical host dedicated to running compute nodes.

compute node

A node that runs the compute daemon, a VM instance that provides a wide range of services such as a web service and analytics.

COTS

Commercial off the Shelf

CPU

Central Processing Unit

CSC

Cloud SDN Controller

CSR

Certificate Signing Request

Customer Service Request

CSS

Cloud SDN Switch release 3, based on OVS 2.5

CU

Capturing Unit

DB

Database

DAS

Direct-Access Storage

DC

Data Center

DCFW

Data Center Firewall

DCGW

Data Center Gateway

DDoS

Distributed Denial of Service

DHCP

Dynamic Host Configuration Protocol

DM-MPIO

Linux Device Mapper iSCSI multipath

DMTF

Distributed Management Task Force

DMX

Distributed Main Switch

DMXC

Distributed Main Switch Controller

DMZ

Demilitarized Zone

DN

Distinguished Name

DNS

Domain Name System

DoS

Denial of Service

DPDK

Data Plane Development Kit

EAS

Equipment Access Switch

EBS

Ericsson Blade System

ECM

Ericsson Cloud Management

Ericsson Cloud Manager

ECMP

Equal-Cost Multi-Path

EGEM2

Enhanced Generic Ericsson Magazine, type 2

EMC

Storage service provider EMC²

enclosure

See shelf



EPG

Evolved Packet Gateway

EqM

Equipment Management

ESD

Electrostatic Discharge

EVS

Ericsson Virtual Switch (replaced by CSS)

EXOS

ExtremeXOS

FAST

Fully Automated Storage Tiering

FM

Fault Management

Fuel

Product name, software life cycle management tool used to deploy CEE

FW

Firmware

Firewall

FWaaS

Firewall as a Service

GA

General Availability

GE

Gigabit Ethernet

GEP

Generic Ericsson Processor

GPG

GNU Privacy Guard

GRE

Generic Routing Encapsulation

GUI

Graphical User Interface

GW

Gateway

HA

High Availability

HAProxy

Service used to provide a single north-bound IP address from the CIC cluster.

HDD

Hard Disk Drive

HDS

Ericsson Hyperscale Datacenter System

host

A physical unit referring to the hardware, the operating system, or the hypervisor

hostname

A label assigned to a device on a computer network

host OS

An Operating System running on a physical processor

HOT

Heat Orchestration Template

HP

Hewlett Packard

HTTP

Hypertext Transfer Protocol

HTTPS

Hypertext Transfer Protocol Secure

IM

Installation Manager

I/O

Input/output

IaaS

Infrastructure as a Service

ICMP

Internet Control Management Protocol

IdAM

Identity and Access Management

**iDRAC**

Integrated Dell Remote Access Control

IDS

Intrusion Detection System

IEC

International Electrotechnical Commission

iLO

Integrated Lights Out

IOC

I/O Cards

IPMI

Intelligent Platform Management Interface

ISC

Inter Switch Connection

iSCSI

Internet Small Computer System Interface

IPS

Intrusion Prevention System

IRP

Intermediate Release Package

ISL

InterSwitch link

ISP

In-Service Performance

JSON

JavaScript Object Notation

kickstart

Computer used to install CEE

KPI

Key Performance Indicator

KVM

Kernel-based Virtual Machine

LACP

Link Aggregation Control Protocol

LACPDU

Link Aggregation Control Protocol Data Unit

LAG

Link Aggregation

Link Aggregation Group

LAN

Local Area Network

LBaaS

Load Balancer as a Service

LC

Lucent Connector

LCT

Local Craft Terminal

Locally Connected Terminal

LDAP

Lightweight Directory Access Protocol

LIA

Light Installation Agent

LOM

Lights-Out Management

LUN

Logical Unit Number

MA

Maintenance Association

MAC

Multiple Access Control

MC-LAG

Multi Chassis Link Aggregation Group

MDM

Meta Data Manager

MIB

Management Information Base

MII

Media Independent Interface



ML2

Modular Layer 2

The Modular Layer 2 plug-in for Neutron in OpenStack

MO

Managed Object

MOS

Mirantis OpenStack

MP

Maintenance Point

MPO/MTP

Multiple-Fiber Push-On/Pull-off

MTU

Maximum Transmission Unit

NAPT

Network Address Port Translation

NAT

Network Address Translation

NB

Northbound

NBI

Northbound Interface

NE

Network Element

NFV

Network Function Virtualization

NFVO

Network Function Virtualization Orchestrator

NIC

Network Interface Controller

NIR

Network Impact Report

NMS

Network Management Station

NOC

Network Operations Center

Network Operator Control

Network Operator Control domain

node

A logical device or operational unit in the network

NPC

Network Processing Card

NTP

Network Time Protocol

NUMA

Non-Uniform Memory Access

O&M

Operation & Maintenance

O/E

Optical / Electrical

OA

Onboard Administrator

OAM

Operation, Administration, and Maintenance

ODL

Open Daylight

OMC

Operation and Maintenance Center

OPEB

Optical Port Extender Board

OPI

Operational Instruction

OS

Operating System

OSTF

OpenStack Testing Framework

**OVA**

Open Virtualization Alliance

Open Virtualization Appliance

OVDK

OpenVswitch with Intel Dataplane Development Kit

OVF

Open Virtualization Format

OVFT

Open Virtualization Format Translator

OVS

Open Virtual Switch

PaaS

Platform as a Service

PAPI

Producer API

PC

Personal Computer

PCI

Peripheral Component Interconnect

PCIe

PCI Express

PCP

Priority Code Point

PDU

Power Distribution Unit

Protocol Data Unit

Product Development Unit

PF

Physical Function

PID

Process ID

PM

Performance Management

PMD

Poll Mode Driver

pod

A pre-integrated building block of HW and SW components

PSIRT

Product Security Incident Response Team

PSU

Power Supply Unit

PXE

Preboot Execution Environment

QSFP

Quad Small Form-Factor Pluggable

RAID

Redundant Array of Independent Disks

RBAC

Role-Based Access Control

region

A Discrete OpenStack environment with dedicated API endpoints, that typically shares only the Identity Service with other regions

RELP

Reliable Event Logging Protocol

REST

Representational State Transfer

RHEL

Red Hat Enterprise Linux

RSPAN

Remote Switched Port Analyzer

RPC

Remote Procedure Call

RX

Receiver Mode

SAN

Storage Area Network



SaaS

Software as a Service

SBI

Southbound Interface

SC

System Controller

SCP

Secure Copy

SCX

System Control Switch

SCXB

System Control Switch Board

SD

Security Domain

SDC

ScaleIO Data Client

SDK

Software Development Kit

SDN

Software Defined Networking

SDS

ScaleIO Data Server

SFP

Small Form-Factor Pluggable

SFTP

Secure File Transfer Protocol

shelf

Describes placement in a cabinet. Also called subrack or enclosure.

SIEM

Security Information and Event Management

Security Information and Event Manager

SIO

ScaleIO

SLES

SUSE Linux Enterprise Server

SM

Security Management

SNMP

Simple Network Management Protocol

SOA

Service-Oriented Architecture

SP

Storage Processor

SPAN

Switched Port Analyzer

SPC

Services Processing Card

SPoF

Single Point of Failure

SR-IOV

Single Root-IOV, Input/Output Virtualization

SQL

Structured Query Language

SSD

Solid State Drive

SSH

Secure Shell

SSH-2

SSH version two

SSR

Smart Services Router

stdin

standard input

STP

Spanning Tree Protocol

stratum

Level defining the distance from the network reference clock. A lower stratum value implies a more reliable the time source

subrack

See shelf

**SUS**

Shared Uplink Set

TB

Tie-Breaker

TCP

Transmission Control Protocol

TEAL

Telco Enhancements Adaptation Layer

TFTP

Trivial File Transfer Protocol

TLS

Transport Layer Security

ToR

Top of Rack

Top of Rack switch

TOSCA

Topology and Orchestration Specification for Cloud Applications

TR

Trouble Report

TX

Transmitter Mode

TXNR

Transaction Number

UG

User Guide

UI

User Interface

ULC

Undisciplined Local Clock

UNI

User-to-Network Interface

USM

Unisphere Service Manager

URI

Uniform Resource Identifier

URL

Uniform Resource Locator

USB

Universal Serial Bus

UTC

Coordinated Universal Time

UUID

Universally Unique Identifier

VC

Virtual Connect

vCIC

Virtual Cloud Infrastructure Controller

One virtual CIC node

vCIC host

Physical host running a vCIC node

vCPU

Virtual Central Processing Unit

VF

Virtual Function

vFuel

Virtual Fuel

VID

VLAN Identifier

VIM

Virtual Infrastructure Manager

Versatile Interface Module

VIP

Virtual IP

VLAN

Virtual Local Area Network

vDC

Virtual Data Center

VM

Virtual Machine

**VNC**

Virtual Network Control

Virtual Network Computing

VNF

Virtual Network Function

VNFM

Virtualized Network Function Manager

vNIC

Virtual Network Interface Card

Virtual Network Interface Controller

VNX

Product name, family of central storage solutions

VP

Value Pack

VPN

Virtual Private Network

vPOD

Virtualized Performance Optimized Datacenter

VPNaaS

Virtual Private Network as a Service

VR

Virtual Router

VRF

Virtual Routing Function

Virtual Routing and Forwarding

VRID

Virtual Router Identifier

VRRP

Virtual Router Redundancy Protocol

vSwitch

Virtual Switch

VTEP

VXLAN Tunnel End Points

VXLAN

Virtual eXtensible Local Area Network

WAN

Wide Area Network

WSGI

Web Server Gateway Interface

XML

eXtensible Markup Language