Availability Zone and Host Placement Support for VPC on UEM

Revision History

Feature Summary and Revision History

Summary Data

Applicable Product(s) or Functional Area	UEM
Applicable Platform(s)	UGP
Feature Default	Enabled - Always-on
Related Features in this Release	Not Applicable
Related Documentation	• *UEM-based VNF Deployment Guide* • *Ultra M Solutions Guide* • *Ultra Services Platform Deployment Automation Guide*

Revision History

Revision Details	Release
First introduced.	6.8

Feature Description

The Ultra Element Manager (UEM) and Elastic Services Controller (ESC) together provide the ability to specify an availability zone or a host for a better placement control of the VPC VNFs.

To support the availability zone and host placement, the ESC version is updated from 4.4.0.88 to 4.5.0.112 and the CSAR package (for ETSI SOL003 based deployments) is modified. The availability zone and host placement are configurable per VNFC instance for a greater flexibility. New UEM and VPC parameters are introduced to provide this functionality.

Each VM is deployed in the specified host or zone depending on the parameter configurations. When the VM_PLACEMENT_TYPE parameter is set to host value, the VM is deployed on the specified host. Similarly, when this parameter is set to zone, the VM is deployed in the specified available zone. The zone or host placement option is for an entire VM group. During the VPC deployment, each VM (CF or SF) is deployed as a separate VM group.

Important

You can specify either a host or a zone value for placement of VMs.

If a specified host or a zone does not exist on the VIM, the deployment fails.

Anti-affinity placement can be used with the availability zone.

Availability zone or host placement is supported for the traditional EM-based VPC deployments and ETSI SOL003 flows. For configuration details related to the EM-based VPC deployments, contact your Cisco Accounts representative team.