Radiator VNF Flex Lifecycle Policy
V1.6 2023-03-07

About this document

This document describes the Radiator VNF Flex Lifecycle Policy. Radiator Software updates the policy at Radiator Software's discretion. The current Radiator VNF Flex Lifecycle Policy for a particular Radiator VNF Flex version is found within the product or from Radiator Software WWW pages.

Radiator VNF Flex software is licensed under Radiator Standard End User License Agreement and Specific License Terms (Radiator VNF Flex License Terms) for the Radiator VNF Flex product. In case of conflict between this policy and Radiator VNF Flex License Terms, the Radiator VNF Flex License Terms prevail.

Definitions

Definition	Description
Customer	Licensee of Radiator VNF Flex
Vendor	Radiator Software Oy, Licensor

Radiator VNF Flex product lifecycle

As Radiator VNF Flex is a software installed on an operating system (e.g. AlmaLinux or Ubuntu), which has its own lifecycle policy, Radiator VNF Flex follows that operating system lifecycle. This means that if for example Radiator VNF Flex is based on the AlmaLinux operating system, Radiator VNF Flex is supported on AlmaLinux, while that version of AlmaLinux still receives standard security updates. By default new versions of Radiator VNF Flex are not released or supported on platforms, which require extended commercial support for security or software updates. The operating system images are not a part of Radiator VNF Flex or any other Vendor product.

Radiator VNF Flex component lifecycle

Radiator VNF Manager functionality

Radiator VNF Manager manages, stores and deploys Radiator VNF Hosts configuration, software and settings. Radiator VNF Manager uses OpenStack APIs to create, manage and destroy Radiator VNF Hosts.

The detailed virtual hardware and network configuration of a Radiator VNF Manager is defined as OpenStack flavors and as OpenStack networks. Both flavors and networks are created and managed by the Customer's OpenStack administrators and only used by Radiator VNF Manager. The flavor and network details are defined in cooperation between the Customer and the Vendor.

The Vendor provides a Radiator VNF Manager Image, which contains Radiator VNF Manager and the Radiator software to be used on the Radiator VNF Hosts.

The Vendor provides an updated and tested Radiator VNF Manager Image for Customer to download, periodically or if defect or vulnerability affecting or endangering the functionality of the solution is found.

Radiator VNF Manager upgrade process

The Customer upgrades Radiator VNF Manager by first exporting and downloading the existing Radiator VNF Manager configuration. Then the Customer deploys a new parallel Radiator VNF Manager from a newer Radiator VNF Manager Image. The exported Radiator VNF Manager configuration is then imported by the Customer into the new Radiator VNF Manager instance. Once the Customer has tested and verified the functionality of the new Radiator VNF Manager instance, the Customer may shutdown or destroy the old instance.

Radiator VNF Manager destroy process

The Customer can destroy the Radiator VNF Manager via the OpenStack management.

Radiator VNF Hosts functionality

Radiator VNF Hosts implement the actual functionality of logical groups of Radiator VNF instances (Virtualised Network Functions, VNF). Radiator VNF Hosts can each have their own internal configuration in the logical group.

Radiator VNF Hosts are created, deployed, configured (set up) and destroyed by Radiator VNF Manager. Any Radiator VNF Host configuration, hardening, software or setting must be

provisioned by the Radiator VNF Manager. The direct, manual configuration of the Radiator VNF Hosts is not supported and such changes will be overwritten by Radiator VNF Manager instructions.

The detailed virtual hardware and network configuration of Radiator VNF Hosts are defined as OpenStack flavors and as OpenStack networks. Both flavors and networks are created and managed by the Customer's OpenStack administrators and only used by Radiator VNF Hosts. The flavor and network details are defined in cooperation between the Customer and the Vendor.

The Vendor tests the Vendor supported operating system vendor images used for Radiator VNF Hosts. The operating system vendor images are tested and updated (including security updates) by the operating system vendor. The warranties for operating system vendor images, if any, are given and provided by the operating system vendor. The Vendor does not provide any warranties or guarantees on operating system vendor images.

The Radiator VNF Manager may contain the Vendor tested and supported operating system vendor image for Radiator VNF Hosts for initial test purposes. The supported operating system vendor images must be updated by downloading supported versions of the images from the operating system vendor and uploaded to OpenStack as OpenStack image by the Customer. The Vendor lists supported and tested operating system vendors in the product information.

Radiator VNF Hosts upgrade process

The Radiator VNF Hosts are upgraded via Radiator VNF Manager by the Customer. The Radiator VNF Hosts can be upgraded separately from the Radiator VNF Manager. The Radiator VNF Hosts upgrade process consists of destroying and creating Radiator VNF Hosts from the Radiator VNF Manager using a supported, upgraded operating system vendor image.

Radiator VNF Hosts destroy process

The Customer can destroy the Radiator VNF Hosts via Radiator VNF Manager or the OpenStack management.