



Trend Micro™

InterScan™ Messaging Security Virtual Appliance

9.1 Service Pack 1

Upgrade Guide

Hybrid SaaS Email Security

for Rocky Linux™ 9.5

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Chapter 1

Upgrading IMSVA from CentOS 7 to Rocky Linux 9.5



Important

The upgrade process is applicable only to IMSVA 9.1 SP1 hotfix Build 2279 or later. Make sure you have installed the required patches and hotfixes before the upgrade.

IMSVA provides a self-contained installation that uses a standard CentOS Linux operating system. Use this upgrade method to directly upgrade the self-contained operating system of IMSVA from CentOS 7 to Rocky Linux 9.5.

This Upgrade Guide is intended for users who have already installed CentOS 7-based IMSVA and want to upgrade to Rocky Linux 9.5. Trend Micro recommends directly installing Rocky Linux 9.5-based IMSVA if possible.

Backing Up IMSVA

Trend Micro recommends backing up IMSVA before upgrading the operating system.

Procedure

1. Do any of the following tasks to back up IMSVA:
 - Ghost the entire computer where IMSVA is installed.
 - Take a snapshot for IMSVA if it is installed on a virtual machine.
 - Back up the app_data partition of IMSVA.
 - a. Open the operating system shell console and run the following commands:

```
/opt/trend/imss/script/imssctl.sh stop  
service crond stop
```
 - b. Mount an external disk to `/var/udisk`.
 - c. Copy all files to the disk:

```
cp -rf --preserve /var/app_data/* /var/udisk/  
app_data_backup/
```
 2. Start all IMSVA services after the backup.
-

Upgrading a Single IMSVA

This procedure explains how to upgrade a single IMSVA from CentOS 7 to Rocky Linux 9.5.

**Important**

The upgrade process is applicable only to IMSVA 9.1 SP1 hotfix Build 2279 or later.

If IMSVA is deployed in the parent-child mode, you need to perform the upgrade procedure on all IMSVA devices. Upgrade one device at a time, and no special sequence is required.

Procedure

1. Back up IMSVA 9.1 SP1.

**Note**

For details, see [Backing Up IMSVA on page 1-2](#).

2. Upload the upgrade package `Upgrade-Rocky9.5-IMSVA-9.1-5125.tar.gz` to `/var/app_data` on the IMSVA device.
3. Connect to the IMSVA device through an SSH connection.
4. Go to `/var/app_data` and extract the upgrade package:

```
cd /var/app_data
tar -zxvf Upgrade-Rocky9.5-IMSVA-9.1-5125.tar.gz
cd /var/app_data/Upgrade/
```

5. Run the upgrade script:

```
/var/app_data/Upgrade/upgrade.sh
```

The upgrade process takes about 30 minutes to complete. The exact upgrade time still depends on the performance of your device.

The new operating system will be installed on either the `/dev/mapper/IMSVA-Root1` or `/dev/mapper/IMSVA-Root2` partition, depending on the current CentOS 7 configuration. If CentOS 7 uses `/dev/mapper/IMSVA-Root2`, Rocky 9.5 will use `/dev/mapper/IMSVA-Root1`, and vice versa.

The IMSVA device restarts automatically once the new operating system is installed, and the self-contained operating system becomes Rocky Linux 9.5 after the restart.

**Note**

Do not restart IMSVA until you have completed the upgrade process.

During the upgrade, IMSVA settings will be retained, and no customized operating system settings migrate, except the host name, **root** account, network, and gateway settings. To retain your original customized settings, do the following:

- a. Mount the original root partition to a path on the server you have upgraded, for example, `/root/original_root`. Use one of the following commands based on the CentOS 7 configuration:

```
mount /dev/mapper/IMSVA-Root1 /root/original_root
```

```
mount /dev/mapper/IMSVA-Root2 /root/original_root
```

If CentOS 7 uses `IMSVA-Root1`, mount that partition. Otherwise, use `IMSVA-Root2`.

- b. Find the original settings in the mounted path.
 - c. Add the original settings to the server.
-

Rolling Back an Upgrade

If you encounter critical issues after the upgrade, you can roll back the operating system to CentOS 7 by running the following command:

```
/var/app_data/Upgrade/rollback.sh
```



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