



Red Hat Mobile Application Platform 4.7

Upgrading RHMAP 4.7 to 4.7 Latest

For Red Hat Mobile Application Platform 4.7

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Abstract

This document contains detailed instructions for upgrading an RHMAP 4.7.0 installation to RHMAP 4.7.1.

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CHAPTER 1. PREPARING INFRASTRUCTURE FOR UPGRADING

You can upgrade RHMAP by either

- Installing Ansible version 2.4 and running the installer scripts.
- Running an installer container image, which has ansible installed, and running the installer scripts in that container.

This guide assumes you have installed Ansible version 2.4 as described in [Ansible Installation Guide](#) and [configured Ansible for installing RHMAP components](#).

To prepare for the upgrade:

1. [Re-install the RHMAP OpenShift Templates](#).

1.1. USING A CONTAINER IMAGE TO UPGRADE RHMAP (OPTIONAL)

An alternative method for upgrading is to use the RHMAP installer container image, which includes Ansible and the templates, so you do not need to install Ansible.

Enter the following command to download the installer container image:

```
docker pull rhmap47/installer
```

The procedures in this guide provide example commands for using this container.

CHAPTER 2. UPGRADING THE CORE PROJECT 4.7.X TO 4.7.1

2.1. OVERVIEW

Upgrading Red Hat Mobile Application Platform from version 4.7.x to version 4.7.1 includes the following changes:

- Existing images versions are updated to RHMAP 4.7.1 versions by modifying the deployment configurations for all objects in the RHMAP Core, which triggers a redeployment of each component.



WARNING

Before proceeding with the upgrade:

- Back up all persistent volumes.
- Make sure you have administrator permissions for the OpenShift cluster hosting RHMAP.

2.2. UPGRADING TO RHMAP CORE VERSION 4.7.1

- If you are using the installer container image option, mount an inventory file and a valid SSH key for targeting that inventory, for example:

```
docker run -it \
  -v ~/.ssh/id_rsa:/opt/app-root/src/.ssh/id_rsa:Z \
  -v ${HOME}/Desktop/rhmap-ansible/inventories:/opt/app-
root/src/inventories \
  -e ANSIBLE_PRIVATE_KEY_FILE=/opt/app-root/src/.ssh/id_rsa \
  rhmap47/installer bash
```

- To upgrade your existing RHMAP Core from 4.7.x to 4.7.1 you must specify:

- the name of the current project
- an inventory file
- project_type** which must be set to **core**.

An example command is shown below:

```
cd /opt/rhmap/4.7/rhmap-ansible
ansible-playbook -i my-inventory-file playbooks/upgrade.yml -e
project_type=core -e project_name=my-rhmap-core-project
```

This command reads the current deployment information and chooses the next available upgrade path. A warning message is displayed advising you to back up your data before proceeding. Press **Enter** to confirm that you have backed up and to continue with the upgrade.

2.3. VERIFYING RHMAP CORE UPGRADE

1. Review the output to verify there were no failures.
2. Verify all Nagios checks are healthy.
3. Make sure the component versions match those in the [Container Catalog](#) for the [erratum](#).

See the [troubleshooting documentation](#) in cases where the upgrade fails.

CHAPTER 3. UPGRADING EACH MBAAS PROJECT 4.7.X TO 4.7.1

3.1. OVERVIEW

Upgrading your deployment of Red Hat Mobile Application Platform from version 4.7.x to version 4.7.1:

- Existing images versions are updated to RHMAP 4.7.1 versions by modifying the deployment configurations for all objects in the RHMAP MBaaS, which triggers a redeployment of each component.



WARNING

Before proceeding with the upgrade:

- Back up all persistent volumes.
- Ensure you have administrator permissions for the OpenShift cluster hosting RHMAP.

3.2. UPGRADING TO RHMAP MBAAS VERSION 4.7.1

- If you are using the installer container image option, mount an inventory file and a valid SSH key for targeting that inventory, for example:

```
docker run -it \
    -v ~/.ssh/id_rsa:/opt/app-root/src/.ssh/id_rsa:Z \
    -v ${HOME}/Desktop/rhmap-ansible/inventories:/opt/app-
root/src/inventories \
    -e ANSIBLE_PRIVATE_KEY_FILE=/opt/app-root/src/.ssh/id_rsa \
    rhmap47/installer bash
```

- To upgrade your existing RHMAP MBaaS from 4.7.x to 4.7.1 you must specify:

- the name of the current project
- an inventory file
- project_type** which must be set to **1-node-mbaas** or **3-node-mbaas**.

An example command is shown below:

```
cd /opt/rhmap/4.7/rhmap-installer
ansible-playbook -i my-inventory-file playbooks/upgrade.yml -e
project_type=3-node-mbaas -e project_name=my-rhmap-mbaas-project
```

This command reads the current deployment information and chooses the next available upgrade path. A warning message is displayed advising you to back up your data before proceeding. Press **Enter** to confirm that you have backed up and to continue with the upgrade.

3.3. VERIFYING RHMAP MBAAS UPGRADE

1. Review the output to verify there were no failures.
2. Verify all Nagios checks are healthy.
3. Make sure the component versions match those in the [Container Catalog](#) for the [erratum](#).

See the [troubleshooting documentation](#) in cases where the upgrade fails.