



RAIDIX 4.6.1

Update Manual

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Table of Contents

Introduction	3
Intended Audience	3
Requirements and Limitations	4
Features	4
System Update in the Web Interface	5
System Update in Single Mode	5
System Update in DC	5
System Update in the Command Line Interface (CLI)	8
System Update in Single Mode	8
System Update in DC	8

Introduction

Intended Audience

This manual describes the procedure of updating RAIDIX software from the version 4.6.0 to the version 4.6.1.

This manual is mandatory for use by the partners of RAIDIX LLC while performing the update of RAIDIX 4.6.0 software.

Requirements and Limitations

While performing the update, meet the following requirements and recommendations.

1. Perform the update in strict accordance with this manual and follow the sequence of the steps.
2. Do not make changes to any objects.
3. The update is not supported in Single mode manually enabled in DC.
4. Do not dismantle dual-controller mode (DC) without consulting the RAIDIX Support Team.
5. Perform the update only from the version 4.6.0.
6. Before updating, make sure that HeartBeat connection between the nodes is up.
7. Disable synchronization of nodes' caches before updating. Enable synchronization after the update.
8. Do not perform failover of the nodes while updating DC.
9. There must be no virtual IPs (VIPs) configured on the interface used as the Heartbeat channel.
10. Both nodes must be in the working condition.
11. Before updating, perform the backup of current configuration on both nodes.

Features

1. Update does not require system reinstallation
2. Update can be performed while the system is under the load.

System Update in the Web Interface

System Update in Single Mode

1. In the main menu, open the **System** tab and move to the Configuration Recovery page. In the **Current System Configuration** widget, click **Download Configuration File** to save the backup copy of the current configuration file `current.json`.
2. In the main menu, open the **Monitoring** tab and move to the **Support** page. In the **Software Version** field click **Go to the Update Service**. The update service page will open.
3. Select the archive `raidix-migrate-4.6.0-4.6.1.zip` and apply it. After updating, the system will automatically reboot.



Do not reboot the system in the process of the system update.

System Update in DC



Before the update, perform the backup of `current.json` on both nodes.

1. Make sure that **Heartbeat** connection between the nodes is up. To do that, open the **System** page, move to the **Nodes** tab, and make sure that both nodes are displayed in the tab.
2. Disable synchronization of caches on both nodes. To do that, perform the following steps:
 - Open the **Hosts & Interfaces** page and move to the **Adapters** tab.
 - Click **Target Synchronization**. The **Select Targets for Synchronization** window will open.

- Memorize or write down the identifier (GUID/WWN/IQN) of the target used for caches' synchronization. Clear the checkbox next to the selected target. Make sure there is no targets selected for synchronization, and click **Select**.
 - Repeat the actions on the second node. Synchronization of the caches gets disabled.
3. In the main menu, open the **System** tab and move to the Configuration Recovery page. In the **Current System Configuration** widget, click **Download Configuration File** to save the backup copy of the current configuration file `current.json`.
 4. In the main menu, open the **Monitoring** tab and move to the **Support** page. In the **Software Version** field click **Go to the Update Service**. The update service page will open.
 5. Select the archive `raidix-migrate-4.6.0-4.6.1.zip` and apply it.



Do not reboot the node in the process of the system update.

The updated node will reboot. All RAID on the updated node will become Passive, while RAID on the other node will become Active.

6. Move to the second node and make sure that **Heartbeat** connection between the nodes is up.
7. In the main menu, open the **System** tab and move to the Configuration Recovery page. In the **Current System Configuration** widget, click **Download Configuration File** to save the backup copy of the current configuration file `current.json`.
8. In the main menu, open the **Monitoring** tab and move to the **Support** page. In the **Software Version** field click **Go to the Update Service**. The update service page will open.
9. Select the archive `raidix-migrate-4.6.0-4.6.1.zip` and apply it.



Do not reboot the node in the process of the system update.

The updated node will reboot. All RAID on the updated node will become Passive.

10. After the update is complete, open the **System** tab, move to the **Nodes** page, and click **Failback**.
11. Enable synchronization of caches. To do that, perform the following:
 - Open the **Hosts & Interfaces** page and move to the **Adapters** tab.
 - Click **Target Synchronization**. The **Select Targets for Synchronization** window will open.
 - Select the target with the identifier (GUID/WWN/IQN) got in the step 2, and click **Select**.
 - Repeat the actions on the second node. Synchronization of the caches gets disabled.

System Update in the Command Line Interface (CLI)

System Update in Single Mode

1. Download the `/var/lib/raidix/raidixcfg.json` from the node to be updated.
2. Copy the `raidix-migrate-4.6.0-4.6.1.zip` archive to the node and unzip it by using the following command

```
unzip raidix-migrate-4.6.0-4.6.1.zip -d ./<folder name>
```

3. Move to the folder `<folder name>` and run the following script:

```
./update
```



Do not reboot the system in the process of the system update.

After updating, the system will automatically reboot.

System Update in DC



Before the update, perform the backup of `/var/lib/raidix/raidixcfg.json` on both nodes.

1. Before the update, make sure that **Heartbeat** connection by performing the command

```
rdcli dc show
```

Heartbeat connection status must be **Up**.

2. Disable synchronization of the caches. To do that, perform the following steps:

- Perform the command

```
rdcli dc show
```

- Memorize or write down the identifier of the target (GUID/WWN/IQN) used for synchronization.
- Perform the command

```
rdcli dc modify -t ""
```

- Repeat the actions on the second node.

3. Download the `/var/lib/raidix/raidixcfg.json` from the first node.
4. Copy the `raidix-migrate-4.6.0-4.6.1.zip` archive to the node and unzip it by using the following command

```
unzip raidix-migrate-4.6.0-4.6.1.zip -d ./<folder name>
```

5. Move to the folder `<folder name>` and run the following script:

```
./update.
```



Do not reboot the system in the process of the system update.

Do NOT enable the cache synchronization until update of both nodes is complete.

The updated node will reboot. All RAID on the updated node will become Passive, while RAID on the other node will become Active.

6. Move to the second node and make sure that **Heartbeat** connection between the nodes is up.
7. Repeat the steps 3-6 on the second node. The updated node will reboot. All RAID on the updated node will become Passive.
8. Perform failback by using the following command:

```
rdcli dc failback
```

9. Enable synchronization of the caches by performing the command

```
rdcli dc modify -t <target>
```

where `<target>` is the identifier (GUID/WWN/IQN) of the target got in the step 2. Repeat the actions on the second node.