



**UPGRADING V8 TO CYCLE 10**

JED-0524

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## 1 INTRODUCTION

Due to the significant under-the-hood changes in the latest releases of version 8 JELinux compared to earlier versions, the upgrade process requires some additional steps to complete instead of a typical package installation.

The process needs to be followed exactly to ensure the system behaves as expected after the upgrade.

## 2 REQUIREMENTS

- USB storage loaded with cycle 10 or later JELinux firmware
- Cycle 9 or older JELinux firmware on existing server
- Monitor and USB keyboard to attach to existing server

## 3 METHOD

**IMPORTANT:** before starting the process, take a JEBBackup of the JELinux system. Include all options when taking the JEBBackup. Keep this available as it may be required.

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*For more information on taking a JEBBackup, refer to JCN-0425 (Taking a JEBBackup – V8)*

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### 3.1 BOOTING FROM USB

1. Turn off the existing JELinux server
2. Connect the provided USB storage to the server
3. Connect the monitor and USB keyboard to the server
4. Re-power the server. While the system is powering, hold down the DEL key to enter BIOS
5. Using the arrow keys, navigate right to Boot
6. Arrow key down to Hard Disk Drives and press Enter
7. Highlight 1<sup>st</sup> Drive and press Enter
8. From the Options window, highlight the option with USB: and press Enter
9. Press F10 and press Enter to save and exit BIOS
10. System will boot into USB

### 3.2 UPGRADE PREPARATION

After logging into the system, run the command `lsblk` which will give an output similar to the following

```
NAME      MAJ:MIN RM   SIZE RO TYPE MOUNTPOINTS
sda        8:0    0 232.9G  0 disk
|-sda1     8:1    0   100M  0 part
|-sda2     8:2    0     2G  0 part
`-sda3     8:3    0 230.8G  0 part
sdb        8:16   1   28.7G  0 disk
|-sdb1     8:17   1   25.8M  0 part
|-sdb2     8:18   1    1.5G  0 part /
`-sdb3     8:19   1     6G  0 part /var/state
```

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**IMPORTANT:** *if there are two instances of /var/state/ in this output, reboot the system and run the command again. If the two instances are still seen after the reboot, please contact Jacques support.*

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In this instance, sda is the old drive that is to be upgraded, and sdb is the additional drive that contains the upgrade.

To prepare for the upgrade, run the following command:

```
upgrader.py prepare -r /dev/sda -u upgrade
```

Where /dev/sda is the location of the old drive

This will give output similar to the following:

```
Collating files to upgrade remote_disk=/dev/sda ...  
Done
```

If there are any warning about missing packages, please contact Jacques to acquire the missing packages.

### 3.3 UPGRADE

To run the upgrade, run the following command:

```
upgrader.py upgrade -r /dev/sda -u upgrade
```

This will begin the upgrade process. Consider leaving sufficient time for this to occur, as this can take an hour or more depending on drive speed.

If at any point the upgrade process requests that repartition be performed, run the following command:

```
upgrader.py repartition -r /dev/sda
```

Once the upgrade it complete, the output will show `done`.

### 3.4 POST UPGRADE

1. Turn off the JELinux server
2. Disconnect the removable drive
3. Re-power the server. While the system is powering, hold down the DEL key to enter BIOS
4. Using the arrow keys, navigate right to Boot
5. Arrow key down to Hard Disk Drives and press Enter
6. Highlight 1<sup>st</sup> Drive and press Enter
7. From the Options window, highlight the option with SATA: and press Enter
8. Press F10 and press Enter to save and exit BIOS
9. System will boot using the upgraded drive
10. After logging in, a prompt may appear asking for the password to be changed. Follow this prompt as expected

It is advised at this point to log into the web configuration of the server and inspect the following aspects:

- Administrator user is able to log in
- Users are listed within the USER menu
- Devices are online in Webcfg > Applications > JccpServer > Device Management (if applicable)
- Announcements are available in JAS (if applicable)
- Live events are available in IRS (if applicable)

If there are any issues with these, please take a JEbackup and provide information to Jacques support.

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*If using LDAP, the administrator user will need to go to the Users > LDAP page and re-enter the password. This is due to the location of the password changing between versions.*

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## CONTACT DETAILS

**Ph:** +61 7 3846 8400  
**Email:** [info@jacques.com.au](mailto:info@jacques.com.au)  
**Website:** [www.jacques.com.au](http://www.jacques.com.au)

**ABN:** 48 074 448 712

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