

# Howto Aloha upgrade

## Firmware information

### Firmware numbering

ALOHA firmware version is composed by 3 digits separated by dots '.':

<major>.<minor>.<patch set>

**Bear in mind to request and install a license for the new major branch when upgrading an ALOHA Virtual Appliance firmware.**

### Which firmware is currently running?

This information is available from the GUI, in the **Setup** tab:

System	
Hostname:	ALOHA2
Version:	aloha 5.0.3
Firmware revision:	5007 (2012-06-11)
Model:	albva
UUID:	00163E51202A00163E51202A00163E51
ETHID:	00163E51202A
System time:	2012-10-22 09:57:24
Uptime:	0d 0h

### Downloading a firmware

The download link is available from ALOHA's GUI, in the **Setup** tab:

<http://www.exceliance.fr/download/aloha/>

You may need a login/password to be able to download a firmware. Just contact the support to get it.

### Do I really need to upgrade?

Well, if you're happy with your current firmware: no bugs and no don't need the new features, then **don't upgrade**.

- **Patch set upgrade** are required when you want to fix a known bug.
- **Major and minor upgrades** are required when you want to get new features (as well as bug fixes, of course).

### Patch set upgrade

This is the easiest upgrade to manage, since it has no impact on the configuration: the patch set upgrade only includes bug fixes and minor improvements.

1. Get connected on the **Master** ALOHA and force a configuration synchronization to the **Slave**.
2. On both **Master** and **Slave**, save the configuration
3. On **Slave** ALOHA, go in the GUI **Setup** tab, then process the upgrade: point the form to the firmware on your hard disk, click on **Update**.  
If everything went well, click on **reboot**.
4. Once **Slave** has rebooted, check its status.  
If it looks good, then you can increase its VRRP weight.  
In the **Services** tab, Click on the Edit icon from the

**Network** line then update the **vrrp prio** number to be greater than the current master value.

5. Wait at least a couple of hours, in case of issue, you can quickly lower the ex-**Slave** to bring back the ex-**Master** with the old firmware in production.
6. if everything looks fine, then upgrade the ex-**Master**.  
Go in the GUI **Setup** tab, then process the upgrade: point the form to the firmware on your hard disk, click on **Update**.  
If everything went well, click on **reboot**.
7. Once the ex-**Master** has rebooted, check its configuration.  
If it looks good, then you can decrease the ex-**Slave** VRRP weight.  
In the **Services** tab, Click on the Edit icon from the **Network** line then update the **vrrp prio** number to be lower than the current ex-**Master** value.
8. Don't forget to save the configuration both ALOHA.

## Major and Minor upgrade

Ascending compatibility is guaranteed for both **major** and **minor** upgrades. But this kind of upgrade may modify your running configuration in background.

So, in case of issue, a **downgrade** may not be possible. So please follow carefully the steps below when processing such kind of upgrade:

1. Get connected on the **Master** ALOHA and force a configuration synchronization to the **Slave**.
2. On both **Master** and **Slave**, save the configuration
3. On both **Master** and **Slave**, export the configuration.  
Update the filename with the firmware version number currently running.
4. On **Slave** ALOHA, go in the GUI **Setup** tab, then process the upgrade: point the form to the firmware on your hard disk, click on **Update**.  
If everything went well, click on **reboot**.
5. Once **Slave** has rebooted, check its configuration.  
If it looks good, then you can increase its VRRP weight.  
In the **Services** tab, Click on the Edit icon from the **Network** line then update the **vrrp prio** number to be higher than the current master value.
6. Wait at least a couple of hours, in case of issue, you can quickly lower the ex-**Slave** to bring back the ex-**Master** with the old firmware in production.
7. if everything looks fine, then upgrade the ex-**Master**.  
Go in the GUI **Setup** tab, then process the upgrade: point the form to the firmware on your hard disk, click on **Update**.  
If everything went well, click on **reboot**.
8. Once the ex-**Master** has rebooted, check its configuration.  
If it looks good, then you can decrease the ex-**Slave** VRRP weight.  
In the **Services** tab, Click on the Edit icon from the **Network** line then update the **vrrp prio** number to be lower than the current ex-**Master** value.
9. Don't forget to save the configuration both ALOHA.