



Upgrade from Abiquo 2.6.1 to 2.6.2

1. Description

Abiquo 2.6.2 packages upgrade the Abiquo platform servers of the Abiquo Monolithic and Abiquo Distributed installs.

Follow this documentation to upgrade every Abiquo server (Remote Services, V2V, Abiquo Server).

You do not need to upgrade KVM nodes and LVM storage servers with this release.

2. Prerequisites

This update is for 2.6.1. To perform a fresh install, you should install version 2.6 and 2.6.1 first, and then install 2.6.2.

3. Preparation

3.1. Back up your system and customized elements

Before making any changes to your system, ensure that you have a complete and validated system backup. Remember to back up all customized elements, such as branding. After upgrading your system, reapply branding, and check and reapply any other customizations as necessary. See [Backup and Restore of Customization for Upgrading Abiquo](#)

3.2. Download the upgrade package

<http://download.abiquo.com/enterprise/updates/2.6/abiquo-upgrade-2.6.2.bin>

user: enterprise
password: tCs3125

Package MD5:
c4bf08e1fd62b34f50639f1dde83dd72 abiquo-upgrade-2.6.2.bin

✓ **Download Command**

You can download it directly from the Abiquo Support server using the following command:

```
wget --user=enterprise --password=tCs3125 \  
http://download.abiquo.com/enterprise/updates/2.6/abiquo-upgrade-2.6.2.bin
```

4. Perform the upgrade

4.1. Remove customer access

You can prevent customers from accessing the platform by disabling all the physical machines in Abiquo (in Infrastructure view in the GUI) or using the API (setting state to HALTED).

4.2. Ensure all queues are empty and no tasks are in progress

On Remote Services check the status of RabbitMQ to ensure that there are no outstanding tasks

```
service rabbitmq-server status
```

This will provide the PID so you can see if it is running or not.

Secondly, check the consumers' list:

```
rabbitmqctl list_consumers
```

The result should be something like this but with more values:

```
abiquo.vsm.eventsynk ... ==true  
abiquo.tracer.traces ... ==true  
abiquo.datacenter.requests.Abiquo.virtualfactory ... ==true  
abiquo.ha.tasks ... ==true  
abiquo.am.downloads ... ==true  
abiquo.datacenter.requests.Abiquo.bpm ... ==true  
abiquo.datacenter.notifications ... ==true
```

All must be **true**.

Finally check the queues:

```
# rabbitmqctl list_queues
```

The output will be similar to this:

```
Listing queues ...
abiquo.vsm.eventsynk 0
abiquo.tracer.traces 0
abiquo.datacenter.requests.Abiquo.virtualfactory 0
abiquo.ha.tasks 0
abiquo.am.downloads 0
abiquo.datacenter.requests.Abiquo.bpm 0
abiquo.datacenter.notifications 0
...done.
```

You can check for any active V2V conversions by checking for the V2V or Mechadora processes

```
ps aux | grep v2v
ps aux | grep mechadora
```

See [Service Management](#) for details

4.3. Run the Abiquo Upgrade Script

Upload the upgrade package to the /root directory of the Abiquo Server, as well as the Remote Services Server and V2V Server.

Log in to all servers as root and run the following commands:

```
[root@localhost ~]# chmod +x abiquo-upgrade-2.6.2.bin
[root@localhost ~]# ./abiquo-upgrade-2.6.2.bin
```

4.3.1. Upgrade the Database

Upgrade the Abiquo database using the delta script.

```
mysql kinton <
/usr/share/doc/abiquo-server/database/kinton-delta-2.6.0_to_2.6.2.sql
```

4.3.2. Start the abiquo-tomcat service

The upgrade bundle automatically stops the abiquo-tomcat service before upgrading. On the Abiquo platform servers (Server, Remote Services, V2V), start the abiquo-tomcat service.

```
service abiquo-tomcat start
```

5. Verify the upgrade

On the Abiquo platform servers, check the version after the upgrade.

```
[root@localhost ~]# cat /etc/abiquo-release  
Version: 2.6.2  
Edition: Enterprise
```

6. Clear the browser cache

Before logging in to Abiquo after an upgrade, all users should clear the browser cache on their machines.

7. RPM packages upgraded in this release

The upgrade to Abiquo 2.6.2 includes the following RPM packages:

```
abiquo-am-2.6.2-1.el5.20131203_0955.noarch.rpm  
abiquo-api-2.6.2-1.el5.20131203_0954.noarch.rpm  
abiquo-client-premium-2.6.2-1.el5.20131203_0953.noarch.rpm  
abiquo-m-2.6.2-1.el5.20131203_0955.noarch.rpm  
abiquo-nodectollector-2.6.2-1.el5.20131203_0953.noarch.rpm  
abiquo-release-ee-2.6.2-1.el5.noarch.rpm  
abiquo-server-2.6.2-1.el5.20131203_0952.noarch.rpm  
abiquo-ssm-2.6.2-1.el5.20131203_0952.noarch.rpm  
abiquo-v2v-2.6.2-1.el5.20131203_0951.noarch.rpm  
abiquo-virtualfactory-2.6.2-1.el5.20131203_0951.noarch.rpm  
abiquo-vsm-2.6.2-1.el5.20131203_0956.noarch.rpm
```

8. Release Notes for Abiquo 2.6.2

8.1. Resolved Bugs

Key	Description
6323	OracleVM Plugin does not support VLAN-based management networks. See note on Oracle Ports and Bonds below
6366	Tasks are not accessible if the user that created them is deleted
6375	UNRECOGNIZED osType when importing OVF using many Windows flavors

8.1.1. Notes on Oracle Ports and Bonds

Abiquo recommend that you carefully read the Oracle VM Networking documentation and that you use separate ports/bonds for provisioning VM Networks within Oracle. The use of separate ports/bonds enables the Abiquo platform to fully automate the management of Network and VLAN creation within the Oracle VM environment. Therefore we recommend that OracleVM hypervisors have at least one port/bond for the management network, and at least one more port/bond for provisioning VMs. If an Oracle VM Hypervisor has only a single port/bond, then you will need to manually maintain all of the VLAN Segments for the bond. This is because the Oracle VM API does not currently permit Abiquo to create additional VLAN segments on the port/bond that is defined as the 'management' network. See [Oracle VM Cloud Node Configuration in the Abiquo wiki](#) for full updated information about configuring Oracle VM.

8.2. Improvements

Key	Description
4096	IPv6 support v1 in Abiquo networking. See IPv6 Support v1 in v2.6.2 in the Abiquo wiki
6381	vCenter - improved connection performance with lightweight connect

8.2.1. Notes on IPv6 Support v1

Abiquo has implemented version 1 of support for IPv6 in Abiquo 2.6.2. This is a preview version of the Abiquo 3.0 functionality. This functionality is fully supported in the Abiquo API and partially supported by the Abiquo 2.6 GUI. Users can create Abiquo private, public, external and unmanaged IPv6 networks via the API only. These networks will appear to end users in the GUI, and they will be able to use them in the same way as IPv4 networks are used. i.e. addresses will appear and be selected through the GUI. If you wish to use the DHCPv6 server to assign addresses, IPv6 will require one DHCPv6 server for each datacenter. i.e. Remote Services will require both an IPv4 and IPv6 DHCP server running. The DHCP and DHCPv6 servers may be running on the same machine.

The implementation covers any IPv6 valid address format (short or long). It also covers the creation of IP addresses with most of the transitional IPv6 technologies: IPv4-mapped, IPv4-compatible, Teredo and ISATAP. The current proposal has limitations on the number of IPv6 NICs per virtual machine.