



Upgrade from Abiquo 2.6.2 to 2.6.3

1. Description

Abiquo 2.6.3 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) and every LVM storage server.

You do not need to upgrade KVM nodes with this release.

This release enables the use of SSL for the Appliance Manager remote service. The Abiquo test configuration is described in [Apache Frontend#AddingSSLtoAM](#).

2. Prerequisites

This update is for 2.6.2. To perform a fresh install, you should install version 2.6, 2.6.1 and 2.6.2 first, and then install 2.6.3.

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-2.6.3.bin>

user: enterprise
password: tCs3125

Package MD5:
00d0ae09f28df0696460a52907af7c7d abiquo-upgrade-2.6.3.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-2.6.3.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, and LVM Servers.

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

```
[root@localhost ~]# chmod +x abiquo-upgrade-2.6.3.bin
[root@localhost ~]# ./abiquo-upgrade-2.6.3.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-2.6.2_to_2.6.3.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: 2.6.3
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 2.6.3 includes the following RPM packages:

```
abiquo-am-2.6.3-1.e15.20140123_1031.noarch.rpm
abiquo-api-2.6.3-1.e15.20140123_1030.noarch.rpm
abiquo-client-premium-2.6.3-1.e15.20140123_1030.noarch.rpm
abiquo-lvmiscsi-2.6.3-1.e15.20140123_1408.noarch.rpm
abiquo-m-2.6.3-1.e15.20140123_1032.noarch.rpm
abiquo-nodectollector-2.6.3-1.e15.20140123_1029.noarch.rpm
abiquo-release-ee-2.6.3-1.e15.noarch.rpm
abiquo-server-2.6.3-1.e15.20140123_1029.noarch.rpm
abiquo-ssm-2.6.3-1.e15.20140123_1028.noarch.rpm
abiquo-v2v-2.6.3-1.e15.20140123_1026.noarch.rpm
abiquo-virtualfactory-2.6.3-1.e15.20140123_1027.noarch.rpm
abiquo-vsm-2.6.3-1.e15.20140123_1033.noarch.rpm
```

8. Release Notes for Abiquo 2.6.3

8.1. Resolved Bugs

Key	Description
6236	VM storage that is VMotioned to a datastore that is not listed in Abiquo (because the datastore list has not been refreshed) becomes NOT_ALLOCATED
6276	(Documentation) Accounting information for 2.6 public datacenters is not updated
6356	Storage System Manager is sending management IP instead of service IP to Business Process Manager (V2V Server).
6387	vCenter - deploy fails when copyVirtualDisk takes longer than 30 minutes
6478	Not possible to upload template through GUI when SSL is enabled for connection to Appliance Manager. Abiquo has tested the fix with the configuration described in Apache Frontend#AddingSSLtoAM
6504	ESX cannot retrieve virtual machines with 10 NICs or 10 disks
6610	Random shutdown of connection to RabbitMQ

8.2. Improvements

Key	Description
6456	Detect VM move events when the target datastore is not in the Abiquo database