# Upgrade from Abiquo 2.6.4 to 2.6.5

## 1. Description

Abiquo 2.6.5 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 with this release.

## 2. Prerequisites

This update is for 2.6.4. To perform a fresh install, you should install version 2.6, 2.6.1, 2.6.2, 2.6.3 and 2.6.4 first, and then install 2.6.5.

## 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-2.6.5.bin

user: enterprise
password: tCs3125

Package MD5:
MD5: 2e8f0571dc5a7c65cf9dd18b5d9e20c7 abiquo-upgrade-2.6.5.bin


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**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-2.6.5.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**.


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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-2.6.5.bin
[root@localhost ~]# ./abiquo-upgrade-2.6.5.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-2.6.3_to_2.6.5.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
```


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## 5. Verify the upgrade

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

```
[root@localhost ~]# cat /etc/abiquo-release
Version: 2.6.5
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 2.6.5 includes the following RPM packages:

```
abiquo-am-2.6.5-1.el5.20140314_1203.noarch.rpm
abiquo-api-2.6.5-1.el5.20140314_1202.noarch.rpm
abiquo-client-premium-2.6.5-1.el5.20140314_1201.noarch.rpm
abiquo-m-2.6.5-1.el5.20140314_1203.noarch.rpm
abiquo-nodecollector-2.6.5-1.el5.20140314_1200.noarch.rpm
abiquo-virtualfactory-2.6.5-1.el5.20140314_1158.noarch.rpm
abiquo-vsm-2.6.5-1.el5.20140314_1204.noarch.rpm
abiquo-core-2.6.0-5.el5.noarch.rpm
abiquo-ssm-2.6.5-1.el5.20140314_1159.noarch.rpm
abiquo-v2v-2.6.5-1.el5.20140314_1157.noarch.rpm
abiquo-release-ee-2.6.5-1.el5.noarch.rpm
abiquo-server-2.6.5-1.el5.20140314_1159.noarch.rpm
```


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# 8. Release Notes for Abiquo 2.6.5

## 8.1. Changes in Abiquo 2.6.5

New privilege:

- Manage virtual machine backup disks: This privilege allows a user to specify disks and disk backup types (snapshot and complete). By default this privilege is assigned to the Cloud Admin and Enterprise Admin roles.
- See Privileges

New SCSI driver support:

- New OVF field: ResourceSubType
- New template definition field: diskController
- See New OVF SCSI drivers to support Windows 2012 in Abiquo 2.6.5

## 8.2. Resolved Bugs

| Key | Description |
|---|---|
| 6553 | When using ESX and NFS datastores, when adding both volume and hard disk, hard disk is created in the RDM datastore, not in the datastore where the VM is deployed |
| 6959 | Reconfigure fails adding an extra HD using ESXi 5.0 and 5.1 |
| 6995 | Missing privilege to allow users to select disks in virtual machine backup. Without the privilege, all disks will be selected. The privilege should be assigned to the default Cloud Admin and Enterprise Admin roles. See Privileges |

## 8.3. Improvements

| Key | Description |
|---|---|
| 6969 | Allow users to add more SCSI drivers in OVF in order to support Windows 2012. See New OVF SCSI drivers to support Windows 2012 in Abiquo 2.6.5 |


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