Upgrade from Abiquo 2.6 to 2.6.1

1.   Description

Abiquo 2.6.1 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 to upgrade Abiquo KVM Nodes**.

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

2.   Prerequisites

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

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-2.6.1.bin

user: enterprise
password: tCs3125

Package MD5:
06855e99194dd83e89b7762251aa262d abiquo-upgrade-2.6.1.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-2.6.1.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-2.6.1.bin
[root@localhost ~]# ./abiquo-upgrade-2.6.1.bin
```

5. Upgrade the KVM Nodes

Upgrade AIM on KVM cloud nodes. The latest version is v2.1.6. Use the following yum upgrade process to upgrade the cloud nodes.

Step 1: Stop abiquo-aim service

```
/etc/init.d/abiquo-aim stop
```

Optionally check in /etc/yum.repos.d/Abiquo-Base.repo that all lines have the 2.6 repos URL, e.g:

```
baseurl=http://mirror.abiquo.com/abiquo/2.6/os/x86_64/
baseurl=http://mirror.abiquo.com/abiquo/2.6/updates/x86_64/
```

Step 2: Clean yum configuration

```
yum clean all
```

Step 3: Run the yum upgrade command

```
yum upgrade abiquo-aim abiquo-release-ee
```

Step 4: Restart the abiquo-aim service

```
/etc/init.d/abiquo-aim start
```

Step 5: Check the abiquo-aim version

```
abiquo-aim -version
```

Step 6: On the upgraded KVM cloud nodes, check that Abiquo AIM is running before starting the Abiquo Tomcat server

```
ps aux | grep abiquo-aim
```

See AIM - Abiquo Infrastructure Management

6. 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
```

7. Verify the upgrade

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

```
[root@localhost ~]# cat /etc/abiquo-release
Version: 2.6.1
Edition: Enterprise
```

8. Clear the browser cache

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

9. RPM packages upgraded in this release

The upgrade to Abiquo 2.6.1 includes the following RPM packages:

```
abiquo-am-2.6.1-1.el5.20131031_1116.noarch.rpm
abiquo-api-2.6.1-2.el5.20131031_1116.noarch.rpm
abiquo-client-premium-2.6.1-1.el5.20131031_1115.noarch.rpm
abiquo-m-2.6.1-1.el5.20131031_1116.noarch.rpm
abiquo-nodecollector-2.6.1-1.el5.20131031_1115.noarch.rpm
abiquo-release-ee-2.6.1-1.el5.noarch.rpm
abiquo-ssm-2.6.1-1.el5.20131031_1114.noarch.rpm
abiquo-v2v-2.6.1-1.el5.20131031_1113.noarch.rpm
abiquo-virtualfactory-2.6.1-1.el5.20131031_1114.noarch.rpm
abiquo-vsm-2.6.1-1.el5.20131031_1117.noarch.rpm
```

abiquo

10. Release Notes for Abiquo 2.6.1

10.1. Resolved Bugs

Key	Description
6074	List of private networks is not shown when adding a NIC to a virtual machine
6116	The list of virtual datacenters only shows 25 elements when creating a virtual appliance
6118	Query parameter limit=0 doesn't work to retrieve all virtual datacenters without pagination
6129	When simultaneously deploying VMs in the same VLAN, the VMs are not attached in the port group
6135	VIRTUAL_MACHINE_DEPLOY_FINISH event is generated when undeploying a VM
6148	Persistent template remains in IN_PROGRESS state after the persistent process failed
6155	kinton.metering not populating virtual machine column correctly
6161	Cannot add an Oracle PM if some of the repositories are not "presented"
6162	No error logs are shown in the nodecollector.log when an Oracle PM cannot be discovered because of decoding problems
6164	Wrong creation of classless static routes on DHCP leases
6165	Unable to attach volume to a VM through API when coming from upgrade 2.3 to 2.4 (403 error)
6181	**AIM** goes down working with more than one storage pool. **Fix requires AIM upgrade**
6199	Cannot list virtual datacenters in GUI if one virtual datacenter has a default network assigned other than a private network
6208	The data recorded in the DB in the table kinton.metering is no longer usable by reports
6242	**AIM** doesn't show bridge or bounding when adding the hypervisor to Abiquo. **Fix requires AIM upgrade**
6250	Wrong rel is set attaching a volume in 2.6.1 using a old API resource (virtualmachines/*/storage/volumes)
6277	Cannot retrieve the virtual machines from infrastructure after removing the physical machine
6289	Cannot undeploy a persistent VM synchronized by import feature