Upgrading from Abiquo 2.3 to 2.3.1

Revised Instructions

All customers must manually upgrade their Abiquo database using kinton-delta-2.3.0-to-2.3.1.sql with this release.

1. Description

Abiquo 2.3.1 packages upgrade the Abiquo platform servers of the Abiquo Monolithic and Abiquo Distributed installs. It is possible to upgrade Cloud in a Box but this upgrade is not supported.

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

You do not need to upgrade Abiquo Community Cloud Nodes (KVM, Xen Community, VirtualBox) and LVM storage servers with this release.

2. Prerequisites

This update is for 2.3. To perform a fresh install, you should install version 2.3 first and then install 2.3.1.

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/2.3/abiquo-upgrade-2.3.1.bin

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user: enterprise
password: tCs3125

Package MD5:
43a6b044c3c16187cff09933f15a336f abiquo-upgrade-2.3.1.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/2.3/abiquo-upgrade-2.3.1.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
```


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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 ServiceManagement-v2vdiskmanager for details

4.3. Run the Abiquo Upgrade Script

Upload the upgrade package to the /root directory of the Abiquo server (also to the remote services and V2V host if you have a distributed install).

Log in as root and run the following commands:

```
[root@localhost ~]# chmod +x abiquo-upgrade-2.3.1.bin
[root@localhost ~]# ./abiquo-upgrade-2.3.1.bin
```

4.3.1. Upgrade Abiquo Database

Revised Instructions

All customers must manually upgrade their Abiquo database with kinton-delta-2.3.0-to-2.3.1.sql

All customers must run the database upgrade script on the Abiquo database.

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```
mysql kinton <
/usr/share/doc/abiquo-server/database/kinton-delta-2.3.0-to-2.3.1.sql
```

If you have a remote database, copy the script to your remote database server and run it there.

4.3.2. Start the abiquo-tomcat service

The upgrade bundle automatically stops the abiquo-tomcat service before upgrading. Start it to re-enable the service.

```
service abiquo-tomcat start
```

5. Verify the upgrade

```
[root@localhost ~]# cat /etc/abiquo-release
Version: 2.3.1
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 2.3.1 includes the following RPM packages:

```
abiquo-am-2.3.1-1.el5.20130205_0842.noarch.rpm
abiquo-api-2.3.1-3.el5.20130205_0841.noarch.rpm
abiquo-client-premium-2.3.1-3.el5.20130205_0841.noarch.rpm
abiquo-lvmiscsi-2.3.1-1.el5.20130205_0858.noarch.rpm
abiquo-nodecollector-2.3.1-1.el5.20130205_0841.noarch.rpm
abiquo-release-ee-2.3.1-1.el5.noarch.rpm
abiquo-server-2.3.1-2.el5.20130205_0917.noarch.rpm
abiquo-ssm-2.3.1-1.el5.20130205_0840.noarch.rpm
abiquo-v2v-2.3.1-1.el5.20130205_0839.noarch.rpm
abiquo-virtualfactory-2.3.1-1.el5.20130205_0839.noarch.rpm
abiquo-vsm-2.3.1-1.el5.20130205_0842.noarch.rpm
```


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8. Release Notes for Abiquo 2.3.1

8.1. Resolved Bugs

Key	Summary
4869	In Home view, the 'green bars' graphing available allocated resources are not showing
4937	For a live migrated persistent VM, VSM is updated but not hypervisor in database, and retrieve operation does not show this VM
4955	Volumes from others VDCs can be seen by users with restricted access to one VDC
4963	A user with VDC restrictions can retrieve all the existing persistent VMs from his enterprise through the API
4999	UCS Blade Configuration tab does not appear in the GUI, meaning that UCS blades cannot be configured

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