Customer Notes on Upgrading from 2.4.1 to 2.4.2

1. Description

Abiquo 2.4.2 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 2.4.1. To perform a fresh install, you should install version 2.4 and 2.4.1 first, and then install 2.4.2.

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 and GUI customizations. 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/2.4.2/abiquo-upgrade-2.4.2.bin

user: enterprise
password: tCs3125

Package MD5:
MD5: 175bfb7deb995f5c3a6a1a33a434d8fb abiquo-upgrade-2.4.2.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/2.4/abiquo-upgrade-2.4.2.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 and tell us if it is running or not.

Check that there are no jobs in the queues:

```
# rabbitmqctl list_queues name messages consumers
```

The first number after each queue name is the number of messages in the queue and the second number is the number of consumers. If a queue is empty, the number of messages will be 0. The following example shows the result with empty queues. If there are any messages, you should wait for them to be consumed before proceeding with the upgrade.

```
Listing queues ...
abiquo.vsm.eventsynk 0 1
abiquo.nodecollector.notifications 0 1
abiquo.scheduler.requests 0 1
abiquo.tracer.traces 0 1
abiquo.datacenter.requests.Abiquo.virtualfactory 0 1
abiquo.ha.tasks 0 1
abiquo.am.notifications 0 1
abiquo.scheduler.slow.requests 0 1
abiquo.datacenter.requests.Abiquo.bpm 0 1
abiquo.datacenter.notifications 0 1
abiquo.scheduler.fast.requests 0 1
...done.
```

Messages may have been created by conversions in progress. You can check for any active V2V conversions by checking for the V2V or Mechadora processes. Wait for the conversions to finish before proceeding with the upgrade.

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

See ServiceManagement-v2vdiskmanager for more information.

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-2.4.2.bin
[root@localhost ~]# ./abiquo-upgrade-2.4.2.bin
```

4.3.1. Upgrade the Abiquo Database

Upgrade the Abiquo database using the delta script.

```
mysql kinton <
/usr/share/doc/abiquo-server/database/kinton-delta-2.4.1-to-2.4.2.sql
```

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: 2.4.2
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 2.4.1 includes the following RPM packages:

```
abiquo-am-2.4.2-1.el5.20130724_1345.noarch.rpm
abiquo-api-2.4.2-1.el5.20130724_1344.noarch.rpm
abiquo-client-premium-2.4.2-1.el5.20130724_1344.noarch.rpm
abiquo-nodecollector-2.4.2-1.el5.20130724_1354.noarch.rpm
abiquo-release-ee-2.4.2-1.el5.noarch.rpm
abiquo-server-2.4.2-1.el5.20130724_1344.noarch.rpm
abiquo-ssm-2.4.2-1.el5.20130724_1343.noarch.rpm
abiquo-v2v-2.4.2-1.el5.20130724_1342.noarch.rpm
abiquo-virtualfactory-2.4.2-1.el5.20130724_1343.noarch.rpm
abiquo-vsm-2.4.2-1.el5.20130724_1346.noarch.rpm
```

8.   Release Notes for Abiquo 2.4.2

8.1. Improvements

Key	Description
5135	Capability to set the number of sockets and cores per socket in ESXi VMs. See Configure CPU Cores per Socket in Abiquo Administrator's Guide under Configuring Abiquo

8.2. Resolved Bugs

Key	Description
5385	VMs created directly in the hypervisor with only SCSI primary disk cannot be imported into Abiquo