Customer Notes on Upgrading from 2.4.2 to 2.4.3

1.   Description

Abiquo 2.4.3 packages upgrade the Abiquo platform servers of:

- Monolithic Install
- Distributed Install
- Cloud in a Box Install (unsupported upgrade)

This release upgrades:

- Every Abiquo platform server:
    - Abiquo Server/API
    - Remote Services
    - V2V Server

This release DOES NOT UPGRADE:

- Abiquo KVM hypervisors
- LVM storage servers
- Abiquo kinton database schema

2.   Prerequisites

This update is for 2.4.2. To perform a fresh install, you should install version 2.4, 2.4.1 and 2.4.2 first, and then install 2.4.3.

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 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/2.4.3/abiquo-upgrade-2.4.3.bin

user: enterprise
password: tCs3125

Package MD5: b769a6551b8684de8d2823b5ebca1da2 abiquo-upgrade-2.4.3.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/2.4/abiquo-upgrade-2.4.3.bin
> ```

4. Perform the upgrade

4.1. Remove customer access

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), for example.

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
- Remote Services server
- V2V Server

Log in as root and run the following commands:

```
[root@localhost ~]# chmod +x abiquo-upgrade-2.4.3.bin
[root@localhost ~]# ./abiquo-upgrade-2.4.3.bin
```

4.3.1. 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: 2.4.3
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 2.4.3 includes the following RPM packages:

```
abiquo-am-2.4.3-1.el5.20131017_0741.noarch.rpm
abiquo-api-2.4.3-2.el5.20131023_0821.noarch.rpm
abiquo-client-premium-2.4.3-1.el5.20131017_0740.noarch.rpm
abiquo-release-ee-2.4.3-1.el5.noarch.rpm
abiquo-ssm-2.4.3-1.el5.20131017_0740.noarch.rpm
```

8. Release Notes for Abiquo 2.4.3

8.1. Improvements

Key	Description
5664	Update the NetApp plugin to support Ontap 8.2

8.2. Resolved Bugs

Key	Description
5318	It is not possible to promote an instance from a shared template
6249	It is not possible to download an instance from a shared template

8.3. Known Issues

The following known issue is fixed in Abiquo 2.6.1.

Key	Description
6148	Persistent template remains in the IN_PROGRESS state after the process to create the persistent template failed