Upgrading from Abiquo 2.0 to 2.0-HF1

Description

2.0-HF1 packages upgrade the Abiquo platform servers of the Abiquo Monolithic, Abiquo Distributed and Abiquo Cloud in a Box installs.

Follow this documentation to upgrade every Abiquo server (Remote Services, V2V, Server). Upgrading Abiquo Community Cloud Nodes (KVM, Xen Community, VirtualBox) and LVM storage servers is not required with this release.

Prerequisites

This hot fix is for version 2.0. To perform a fresh install, you should install version 2.0 first.

Preparation

Backup 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.

Download the upgrade package

http://download.abiquo.com/enterprise/updates/2.0/abiquo-upgrade-2.0-HF1.bin

user: enterprise
password: tCs3125

Package MD5:

2e5272254d052672abcff694b8244dfc abiquo-upgrade-2.0-HF1.bin

> ✅ **Download Command**
> You can download it from the servers with the command:

```
wget --user=enterprise --password=tCs3125 \
      http://download.abiquo.com/enterprise/updates/2.0/abiquo-upgrade-2.0-HF1.bin
```

Perform the upgrade

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-2.0-HF1.bin
[root@localhost ~]# ./abiquo-upgrade-2.0-HF1.bin
```

Upgrade the database schema

Log in to the Abiquo Server (or other server where the Abiquo MySQL database is running) and type the following command:

```
mysql kinton <
/usr/share/doc/abiquo-server/database/kinton-delta-2_0_0-to-2_0_0-HF1.sql
```

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
```

Verify the upgrade

```
[root@localhost ~]# cat /etc/abiquo-release
Version: 2.0-HF1
Edition: Enterprise
```

RPM packages upgraded in this release

abiquo-server-2.0-6.el5.20120425_0747.noarch.rpm
abiquo-api-2.0-3.el5.20120425_0749.noarch.rpm
abiquo-virtualfactory-2.0-2.el5.20120425_0746.noarch.rpm
abiquo-nodecollector-2.0-2.el5.20120425_0748.noarch.rpm
abiquo-am-2.0-2.el5.20120425_0749.noarch.rpm
abiquo-v2v-2.0-5.el5.20120425_0745.noarch.rpm
abiquo-vsm-2.0-1.el5.20120425_0750.noarch.rpm
abiquo-client-premium-2.0-3.el5.20120425_0748.noarch.rpm
abiquo-ssm-2.0-3.el5.20120425_0746.noarch.rpm
redis-debuginfo-2.0.4-2.el5.x86_64.rpm
redis-2.0.4-2.el5.x86_64.rpm
abiquo-release-ee-2.0-6.el5.noarch.rpm
abiquo-pocsetup-2.0-1.el5.20120425_0747.noarch.rpm

Release Notes for Abiquo 2.0-HF1

Platform Changes

Abiquo 2.0 HF1 contains the following improvements

- **New datastores detected by Abiquo in the physical machine check**: allows new datastores to be added as required.
- **Cookie authentication improvements** in multi-domain path: cross-domain access is now supported.
- **Multiple pool management in a storage tier** with progressive and performance algorithms: improves storage capacity and flexibility.
- **Private and public VM template category management** in the appliance library: ensures multi-tenancy isolation.
- **Logging improvements** in Virtual System Monitor: improves traceability of virtual machine operations
- **Improved OVF template validation tool**: makes it easier to resolve virtual machine template problems
- **Possibility to remove remote access information from GUI**: improves platform security
- **Added privilege to assign hard disks to virtual machine**: improves platform security
- **Added GUI config property to hide hard disks tab**: allows platform to be updated without exposing this new feature to end users
- **Added privilege to enable/disable chef**: improves platform security

Overview of Resolved Bugs

In addition, Abiquo 2.0 HF1 includes fixes for the following bugs:

- GUI Hangs when selecting HD tab in VM config
- The Port in a distributed virtual switch is not assigned correctly
- Virtual Datacenter pagination
- VSM event callback should consider DELETE events for captured virtual machines
- VM reset does not work
- A VM cannot be deployed in a vCenter with DVS if the network has spaces in its name
- Expanding a NetApp volume is not reflected in ESXi
- Numerous other bugs. See detailed list below.

Detailed List of Improvements and Resolved Bugs

Improvements

Key	Summary
ABICLOUDPREMIUM-792	Create a tool that allows user to validate an OVF before trying to download it to the Appliance Library
ABICLOUDPREMIUM-3390	Add local categories and global categories so enterprise-level categories are not visible to all users
ABICLOUDPREMIUM-3416	Improve error message when Redis connection fails
ABICLOUDPREMIUM-3424	BETA - Multiple Aggregates per Storage Tier

ABICLOUDPREMIUM-3439	Delete VSM check log from catalina.out
ABICLOUDPREMIUM-3510	Cookie-based authentication should support cookies created on server other than Abiquo server

Resolved Bugs

Key	Summary
ABICLOUDPREMIUM-2112	HA Reenable fails after undeploying the moved VM in KVM (Libvirt based)
ABICLOUDPREMIUM-2701	Error at login
ABICLOUDPREMIUM-2819	Conflicting or invalid virtual machine name detected - VMware
ABICLOUDPREMIUM-2909	Metering table ID columns are not populated
ABICLOUDPREMIUM-3105	Multiple Physical Machine: Physical machines are green when they don't have a datastore selected
ABICLOUDPREMIUM-3140	Storage device Username cannot be edited in storage view:devices
ABICLOUDPREMIUM-3160	Assigning public IPs in quarantine already purchased by an Enterpise
ABICLOUDPREMIUM-3171	VLAN tags are not unassigned when all the VirtualMachines are undeployed
ABICLOUDPREMIUM-3179	A user with the privilege "View datacenter details" cannot see the details of a Physical Machine
ABICLOUDPREMIUM-3181	Apps Library refresh does not work
ABICLOUDPREMIUM-3195	H/T Cores count towards license
ABICLOUDPREMIUM-3208	Java VNC console not working in IE9
ABICLOUDPREMIUM-3257	Expanding a NetApp volume is not reflected in ESXi
ABICLOUDPREMIUM-3288	Null server response error message displayed in the UI when refreshing a template definition list created by API
ABICLOUDPREMIUM-3322	A user with the privilege "Assign volumes to a virtual machine" cannot attach a volume to a VM
ABICLOUDPREMIUM-3323	Virtual Appliance error creating a persistent image for a user who has privileges to perform this task
ABICLOUDPREMIUM-3328	No Privilege for Chef
ABICLOUDPREMIUM-3329	Need privilege for "Assign hard disks to virtual machine"
ABICLOUDPREMIUM-3334	Improve the message to user when they try to move a depolyed VAPP, because the message is hard to read/understand
ABICLOUDPREMIUM-3336	The power off process of UCS (HALTED_FOR_SAVE) fails
ABICLOUDPREMIUM-3344	Unhelpful error message in the Apps Library if the remote NFS is Badly configured on one datacenter in the Enterprise
ABICLOUDPREMIUM-3352	Removing NIC doesn't release External Network IP
ABICLOUDPREMIUM-3356	Remove Remote Access Information from GUI
ABICLOUDPREMIUM-3378	null server response error when accessing a VApp with limited privileges
ABICLOUDPREMIUM-3379	Retrieve of VMs does not work because of a "/" at the end of the path name
ABICLOUDPREMIUM-3384	A user with the privilege PHYS_DC_RETRIEVE_DETAILS cannot retrieve the list of volumes from a storage pool
ABICLOUDPREMIUM-3405	Cannot retrieve VMs
ABICLOUDPREMIUM-3412	VLAN tag is not unassigned if the configuration of the VM is changed

ABICLOUDPREMIUM-3445	A VM cannot be deployed in a vCenter with DVS if the port group already exists in another datacenter in the same vCenter
ABICLOUDPREMIUM-3446	Power On/Off doesn't work from Infrastructure screen
ABICLOUDPREMIUM-3447	Static Routes of /16 generates corrupt data
ABICLOUDPREMIUM-3455	A VM cannot be deployed in a vCenter with DVS if the network name contains blanks
ABICLOUDPREMIUM-3457	VM reset does not work
ABICLOUDPREMIUM-3465	Failures not reported to VDC users
ABICLOUDPREMIUM-3473	Deleting an Enterprise with external/unmanaged network - 500 Internal Server Error
ABICLOUDPREMIUM-3479	Delete a node from a Virtual Appliance using Hyper-V - Wrong datastore definition
ABICLOUDPREMIUM-3481	Creating a datacenter with a poorly configured AM - the AM is added but it should not be
ABICLOUDPREMIUM-3482	If the NFS is located on the same machine as the remote services are, the AM check fails
ABICLOUDPREMIUM-3491	The Appliance Manager Internals page of the Developer's Guide contains quite a few spelling mistakes and a 'todo' at the bottom of the page
ABICLOUDPREMIUM-3494	Cannot create an instance of an imported/captured machine in ESXi Hypervisor
ABICLOUDPREMIUM-3497	Virtual Datacenter pagination does not work
ABICLOUDPREMIUM-3500	Error discovering blades
ABICLOUDPREMIUM-3504	Configuring datastore when adding a VirtualBox - names of virtualmachines including part of the path
ABICLOUDPREMIUM-3506	Should check which enterprise the user belongs to before performing requests from /cloud/virtualdatacenters/
ABICLOUDPREMIUM-3517	Example for 'Updating an Enterprise' actually covers updating a User
ABICLOUDPREMIUM-3520	Invalid popup format is displayed when reaching the soft limit of some resources from VirtualDatacenter
ABICLOUDPREMIUM-3521	CPU, RAM and HD = 0 in a captured virtual machine
ABICLOUDPREMIUM-3522	Soft/Hard Limits by VirtualDatacenter - Wrong "hard limits exceeded" message
ABICLOUDPREMIUM-3526	DC - 0 message returned when creating a Virtualappliance
ABICLOUDPREMIUM-3528	"Name" and "Description" fields are very narrow and difficult to edit
ABICLOUDPREMIUM-3533	After updating the name of an attached volume, the VM remains LOCKED forever
ABICLOUDPREMIUM-3536	We do not check if the API user has privileges to retrieve other enterprises
ABICLOUDPREMIUM-3537	The property "esxi.diskController.secondary" does not work for Auxiliary Disks on the datastore
ABICLOUDPREMIUM-3572	ESXi: failed copy not reported as a configuration error
ABICLOUDPREMIUM-3576	Incorrect HD Soft/Hard Limits by Datacenter
ABICLOUDPREMIUM-3579	The Port in a Distributed Virtual Switch is not assigned correctly
ABICLOUDPREMIUM-3581	Server response error accessing VDC View with a user who has role "user"
ABICLOUDPREMIUM-3582	GUI Hangs when selecting HD tab in VM config
ABICLOUDPREMIUM-3584	It should be possible to save edits of the properties of an image created from an instance
ABICLOUDPREMIUM-3590	The AM cannot be added any more after creating the Datacenter without the NFS mounted
ABICLOUDPREMIUM-3600	Unable to create public network with Class C address
ABICLOUDPREMIUM-3609	When the name of a rack includes an apostrophe, its physical machines cannot be reserved

ABICLOUDPREMIUM-3641	UCS Blade Configuration Error
ABICLOUDPREMIUM-3643	When editing a user, it is not possible to restrict VDCs
ABICLOUDPREMIUM-3645	The external network details do not appear in the Network tab of the virtual datacenters section
ABICLOUDPREMIUM-3721	Statistics - VM total/running counters are not updated correctly after a hypervisor is removed from Abiquo
ABICLOUDPREMIUM-3723	Statistics - VM total/running counters are not updated correctly after a VM is removed from the hypervisor