



Euca2ools Release Notes

2013-11-12 Eucalyptus Systems

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Overview and Help

Eucalyptus is open source software for building Amazon Web Services compatible private and hybrid clouds. The release notes for Euca2ools are divided by release number, presented in order from current release to past releases. If you are already using Euca2ools, you can check updates from your older release and compare it with a later release.

Where to Get More Help

For help with issues you might experience, or just to ask a question, see the following resources:

- You can use the Eucalyptus support portal <https://engage.eucalyptus.com> or email us directly at support@eucalyptus.com.
- The Eucalyptus IRC channel is #eucalyptus on Freenode. This channel is used for real-time communication among users and developers. Information on [how to use the network](#) is available from Freenode.
- Engage hosts the Eucalyptus knowledge base and discussion forum. This provides user discussions, answers to problem reports, and other communications. Engage is available at <https://engage.eucalyptus.com/>

Where to Download Euca2ools

To download the latest version of Euca2ools, go to <http://www.eucalyptus.com/download/euca2ools>.

Eucalyptus Compatibility

For information about which Euca2ools version is compatible with your version of Eucalyptus, go to [Euca2ools Compatibility](#).

Comments

For corrections and suggestions about this document, please email us at documentation@eucalyptus.com. We look forward to your communication and thank you in advance for helping us improve our documentation and our product.

3.0.2

This section contains release notes for Euca2ools version 3.0.2.

What's New?

Euca2ools 3.0.2 is a maintenance release and does not introduce new features.

Resolved Issues

Euca2ools 3.0.2 resolves issues listed in the following table.

Issue	Description
TOOLS-386	Make eustore-install-image replace . characters in image names with _ characters
TOOLS-387	eustore registers multiple images with the same image name
TOOLS-381	euca-bundle-vol fails with "TypeError: _make_filesystem() got an unexpected keyword argument 'type'"

Known Issues

The following table lists behavioral changes and known issues that exist in Euca2ools 3.0.2. Please contact Eucalyptus support for workarounds or prescriptive guidance for these issues. You can use the support portal <https://engage.eucalyptus.com> or email us directly at support@eucalyptus.com.

Issue	Description
Euca2ools crashes when non-ASCII character is passed (TOOLS-385)	Occurs when the locale settings prevent python from encoding all of the characters in a command's output. Work around this by explicitly setting the LC_CTYPE environment variable to a locale that is capable of handling the characters in use, such as <code>en_US.UTF-8</code> .

3.0.0

This section contains release notes for Euca2ools version 3.0.0.

What's New?

Euca2ools 3.0.0 has the following new features.

Feature	Description
Triangle services commands added	This release adds command line tools for CloudWatch, Auto Scaling, and Load Balancing.
Configuration files	Euca2ools now supports configuration files that make it easy to switch credentials and services at the command line. See "Working with Euca2ools Configuration Files" in the Euca2ools 3.0.0 Reference Guide for more information.
New API version for EC2 commands	All EC2 commands are now using API version 2013-02-01
Friendly error feedback	Error output has been updated to make it more helpful and prescriptive.
Support for tagging and filtering	This release offers full support for EC2's resource tags and filters using the <code>--filter</code> parameter.

Resolved Issues

Euca2ools 3.0.0 resolves issues listed in the following table.

Issue	Description
TOOLS-273	euca-bundle-vol should not require access keys
TOOLS-270	euca-get-password with an invalid pk returns a confusing error message
TOOLS-186	euca-describe-instances doesn't show block device or volume information for BFEBS-backed instances
TOOLS-185	Multiple block device mappings for the same device are silently dropped
TOOLS-177	eustore-install-image -- BotoClientError: Bucket names cannot contain upper-case characters
TOOLS-174	Prevent boto 2.6 from validating server certs by default
TOOLS-173	Multiple filter values are ignored (--filter option)
TOOLS-170	generated man page for euca-run-instances has incorrect long-option --instance-count
TOOLS-150	Unclear error message when running eustore-install-image
TOOLS-134	Please implement --instance-initiated-shutdown-behavior

Issue	Description
TOOLS-88	euca-bundle-vol does not request for architecture as ec2-bundle-vol does.
TOOLS-81	euca-delete-bundle should explicitly say when the given manifest doesn't exist
TOOLS-55	euca-register-image always displays i386 as an architecture if the -a option is specified.

Known Issues

The following table lists behavioral changes and known issues that exist in Euca2ools 3.0.0. Please contact Eucalyptus support for workarounds or prescriptive guidance for these issues. You can use the support portal <https://engage.eucalyptus.com> or email us directly at support@eucalyptus.com.

Issue	Description
New behavior: the euca-register command now requires a name parameter (TOOLS-298)	The euca-register command now requires a name parameter using the -n/--name argument.
Bundles generated by euca-bundle-image don't work with EC2 (TOOLS-294)	Use EC2 tools to bundle the image for compatibility.
New behavior: we are no longer using M2Crypto (TOOLS-160)	euca2ools no longer uses the M2Crypto library.
euca-bundle-vol rsync crosses filesystems (TOOLS-105)	The euca-bundle-vol command will sync all mounted filesystems.
Format for account/user/group listing is inconsistent (TOOLS-79)	The format used when listing accounts and users differs from the format used for groups.
Euca2ools configuration sources prioritization (TOOLS-44)	Euca2ools now choose configuration sources with this priority: 1. Command line argument 2. File in the user's home dir (~/.eucarc) 3. Systemwide config file (/etc/euca2ools/eucarc) 4. Environment variables Please see 'Environment Variables Order of Precedence' in the 'Configuring Euca2ools' section of the Euca2ools 3.0.0 Reference Guide for more information.

2.1.3

This section contains release notes for Euca2ools version 2.1.3.

What's New?

Euca2ools 2.1.3 is a maintenance release and does not introduce new features.

Resolved Issues

Euca2ools 2.1.3 resolves issues listed in the following table.

Issue	Description
TOOLS-182	euca-register request with both --snapshot and -b options tends to muck up the list of device mappings
TOOLS-176	euca-stop-instances does not return correct information
TOOLS-175	euca-start-instances does not return correct information
TOOLS-171	euca-reboot-instances output inconsistent with aws ec2-reboot-instances
TOOLS-169	euca-run-instances --help reports '--addressing' switch as deprecated
TOOLS-109	euca-terminate-instances does not return proper instance states

Known Issues

The following known issues exist in Euca2ools 2.1.3. Please contact Eucalyptus support for known workarounds to these issues. You can use the support portal <https://engage.eucalyptus.com> or email us directly at support@eucalyptus.com.

Issue	Description
TOOLS-160	Stop using M2Crypto
TOOLS-160	Stop using M2Crypto
TOOLS-150	Unclear error message when running eustore-install-image
TOOLS-147	euca-upload-bundle doesn't report problem when named bucket isn't accessible
TOOLS-140	euca-create-snapshot output does not match ec2-create-snapshot
TOOLS-105	euca-bundle-vol rsync crosses filesystems
TOOLS-104	euca-bundle-vol error diagnostics are unhelpful with invalid --block-device-mapping
TOOLS-101	euca-bundle-vol places filesystem in subdirectory

Issue	Description
TOOLS-98	Documentation for --url flag is ambiguous
TOOLS-97	display_error_and_exit function incorrectly guesses XML format
TOOLS-83	euca-terminate-instances doesn't report error if the caller isn't allowed TerminateInstances
TOOLS-81	euca-delete-bundle should explicitly say when the given manifest doesn't exist
TOOLS-79	Format for account/user/group listing is inconsistent
TOOLS-78	euare-usercreate with "-k" fails when credentials are passed on the command line
TOOLS-67	euca-delete-bundle -m should not require a manifest file on the local machine.
TOOLS-59	euca-describe-security-groups doesn't show username when ingress from specific group is authorized
TOOLS-55	euca-register always sends an arch
TOOLS-11	permissions on manifest.xml files in /tmp are too permissive

2.1.2

This section contains release notes for Euca2ools version 2.1.2.

What's New?

Euca2ools 2.1.2 is a maintenance release and does not introduce new features.

Resolved Issues

Euca2ools 2.1.2 resolves issues listed in the following table.

Issue	Description
TOOLS-159	eustore-install-image requires kernel type to be specified when using existing kernel
TOOLS-156	euca-get-console-output text left at prompt
TOOLS-155	eustore-install-image leaves bundling files in tmp dir
TOOLS-153	eustore uses image name instead of ID when choosing existing eki/eri
TOOLS-151	Typo when ramdisk already exists
TOOLS-146	euca-bundle-image: global name 'sys' is not defined
TOOLS-144	enablemfadvice uses the wrong back end code
TOOLS-143	manual pages are installed with executable flag
TOOLS-142	Add support for Ubuntu image tarballs to eustore

Known Issues

The following known issues exist in Euca2ools 2.1.2. Please contact Eucalyptus support for known workarounds to these issues. You can use the support portal <https://engage.eucalyptus.com> or email us directly at support@eucalyptus.com.

Issue	Description
TOOLS-160	Stop using M2Crypto
TOOLS-150	Unclear error message when running eustore-install-image
TOOLS-147	euca-upload-bundle doesn't report problem when named bucket isn't accessible
TOOLS-140	euca-create-snapshot output does not match ec2-create-snapshot
TOOLS-105	euca-bundle-vol rsync crosses filesystems
TOOLS-104	euca-bundle-vol error diagnostics are unhelpful with invalid --block-device-mapping
TOOLS-101	euca-bundle-vol places filesystem in subdirectory

Issue	Description
TOOLS-98	Documentation for --url flag is ambiguous
TOOLS-97	display_error_and_exit function incorrectly guesses XML format
TOOLS-83	euca-terminate-instances doesn't report error if the caller isn't allowed TerminateInstances
TOOLS-81	euca-delete-bundle should explicitly say when the given manifest doesn't exist
TOOLS-79	Format for account/user/group listing is inconsistent
TOOLS-78	euare-usercreate with "-k" fails when credentials are passed on the command line
TOOLS-67	euca-delete-bundle -m should not require a manifest file on the local machine.
TOOLS-59	euca-describe-security-groups doesn't show username when ingress from specific group is authorized
TOOLS-55	euca-register always sends an arch
TOOLS-11	permissions on manifest.xml files in /tmp are too permissive