



Euca2ools Release Notes

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Overview and Help

HPE Helion 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

The following resources can help you to learn more, connect with other Eucalyptus users, or get actively involved with Eucalyptus development.

- 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](#).
- Subscribe to one or more of the [Eucalyptus mailing lists](#), which provide ways to ask questions and get assistance from the community.
- Search for technical articles in the [Knowledge Base](#) to find answers to your questions and learn about best practices.
- Check out the [Eucalyptus Support](#) pages for more ideas.

Where to Download Euca2ools

To download the latest version of Euca2ools, go to [Helion Eucalyptus Downloads](#).

Eucalyptus Compatibility

For information about which Euca2ools version is compatible with your version of Eucalyptus, see the Compatibility Matrix in the [Release Notes](#).

Comments

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

3.3.1

This section contains release notes for Euca2ools version 3.3.1.


What's New?

Euca2ools 3.3.1 has the following new features.

Feature	Description
Improved functionality	<ul style="list-style-type: none"> • euca-authorize and euca-revoke now support 68-bit security group IDs. • euform-create-stack now returns an error when given tags with empty names. • euform-create-stack no longer sends a DisableRollback option unless it is explicitly requested. • euca-bundle-and-upload-image --debug no longer crashes when no signing certificate is available. • euca-bundle-image now supports the ppc64le architecture. • euform-update-stack now supports updating and deleting tags with new --tag and --delete-tags options.

Resolved Issues

Euca2ools 3.3.1 resolves issues listed in the following table.

Issue	Description
TOOLS-597	euwatch-put-data now formats dimensions correctly when sending them to the server.
TOOLS-616	euca-describe-route-tables now supports the route.instance-id filter.
TOOLS-610	euca-describe-network-interfaces now displays attachment IDs when the server provides them.  Note: A portion of the fix for TOOLS-610 is delayed until the next minor release of euca2ools because it changes the command's output in a backwards-incompatible manner.
TOOLS-578	euca-describe-groups now supports the generic tag:KEY filter for tags.
TOOLS-575	The documentation for euca-upload-bundle's --part option, which previously had no effect, has been removed. That option continues to be silently ignored.
TOOLS-603	euare-rolecreate's -f option now has a longer equivalent: --trust-policy.
TOOLS-608	euca-fingerprint-key now returns an error when given a file that is not a private key.
TOOLS-621	euca-describe-network-interfaces now displays resource tags.
TOOLS-613	euform-update-stack now supports the --capabilities option.
TOOLS-592	eulb-create-lb now supports creating tags with a new --tag option.

Known Issues

This topic lists known issues in Euca2ools 3.3.1.

Please contact Eucalyptus Support for known workarounds to these issues.


Issue	Description
TOOLS-518	euca-bundle-vol does not install boot loader on newly created image.

3.3.0

This section contains release notes for Euca2ools version 3.3.0.

What's New?

Euca2ools 3.3.0 has the following new features.

Feature	Description
Improved client endpoint configuration.	<p>Cloud users can obtain a list of the cloud's service endpoints in a simple way that is not conflated with credential creation.</p> <p><code>euare-accountcreate</code>, <code>euare-usercreate</code>, and <code>euare-useraddkey</code> gained a <code>-w/--write-config</code> option that allows them create new access keys and output a <code>euca2ools.ini</code> file instead of their usual output formats, simplifying credential distribution. The service URLs it generates will be based on the IAM service's DNS domain; if the IAM service is accessed by IP address, the output will not contain service URLs.</p> <p>The <code>-d/--domain</code> option can be used to override this by choosing the domain name explicitly. Finally, the <code>-l/--set-default-user</code> option allows the output to set the given user as the default user for the region. Two examples are shown below:</p> <pre>euare-useraddkey alice -w > ~/.euca/alice.ini euare-accountcreate bob -wld mycloud.example.com mail -s "Your credentials" bob@example.com</pre>
Euca2ools 3.3.0 now requires version 0.4 of the <code>requestbuilder</code> python library.	If you install <code>euca2ools</code> with HP-provided RPM packages, <code>requestbuilder</code> will be installed automatically.
All commands now use AWS signature version 4 for all services except S3.	<p>AWS signature version 4 can additionally be enabled for S3 on a per-region basis with the <code>s3-force-sigv4</code> region option in <code>euca2ools.ini</code>.</p> <p> Note: Eucalyptus 4.2's object storage gateway is not compatible with AWS signature version 4.</p>
Commands that bundle images no longer require signing certificates or private keys to run.	Images bundled without signing certificates are incompatible with Eucalyptus 4.1 and earlier and cannot be unbundled without cloud administrator assistance. If the commands have been configured with the bootstrap service's endpoint and the cloud runs Eucalyptus 4.2 or later, running the commands can fetch the cloud's signing certificate automatically. Typical users require the <code>euserv:DescribeServiceCertificates</code> capability in their IAM policies to use this functionality.
ECC retired.	The Eucalyptus Community Cloud (ECC) was decommissioned in mid-2015 and therefore, its configuration file has been removed.
New load balancer commands added.	<p>The <code>eulb-create-tags</code>, <code>eulb-describe-tags</code>, and <code>eulb-delete-tags</code> commands allow one to create, view, and delete tags on load balancers, respectively.</p> <p>The <code>eulb-describe-load-balancer-attributes</code> and <code>eulb-modify-lb-attributes</code> provide the ability to inspect and modify load balancers' attributes.</p>

Feature	Description
Entering multiple attributes simplified.	The <code>eulb-create-lb-policy</code> command gained a <code>-A</code> option that simplifies entering multiple attributes.
Added STS support to tools.	The <code>euare-assumerole</code> and <code>euare-releaserole</code> commands can now be used inside an <code>eval</code> command to assume IAM roles.
Removed the <code>EUARE_URL</code> environment variable.	The previously-deprecated support for the <code>EUARE_URL</code> environment variable has been removed. Use the <code>AWS_IAM_URL</code> variable instead.
Support added for IAM positional options.	For IAM commands that act on only one entity, those entities' names may now be supplied positionally. For example, <code>euare-usercreate alice</code> works the same as <code>euare-usercreate -u alice</code> .
Two Eucalyptus services can now be specified in <code>euca2ools.ini</code> files.	The Eucalyptus-specific <code>bootstrap</code> and <code>properties</code> services may now be specified in <code>euca2ools.ini</code> files for use with Eucalyptus's admin tools as well as <code>euca2ools</code> commands that bundle images.
New region added.	Added support for <code>eu-central-1</code> region, which covers AWS's new Frankfurt-based region.

Resolved Issues

Euca2ools 3.3.0 resolves issues listed in the following table.

Issue	Description
TOOLS-579	The default configuration for localhost now contains a CloudFormation URL.
TOOLS-594	<code>euca-unbundle</code> and <code>euca-download-and-unbundle</code> mistakenly treated some non-corrupt bundles as corrupt, which causes them to fail.

Known Issues

This topic lists known issues in Euca2ools 3.3.0.

Please contact Eucalyptus Support for known workarounds to these issues.

Issue	Description
EUCA-11519	<p>When an administrator uses HTTPS and doesn't enable certificate verification, running any command thereafter, will display the <code>InsecureRequestWarning</code> message.</p> <p>Workaround: Use a valid certificate and set <code>verify-ssl = true</code> in the region's configuration, or use plain HTTP.</p>

3.2.2

This section contains release notes for Euca2ools version 3.2.2.


What's New?

Euca2ools 3.2.2 has the following new features.

Feature	Description
Improved functionality	<ul style="list-style-type: none"> • euca-authorize and euca-revoke now support 68-bit security group IDs. • euform-create-stack now returns an error when given tags with empty names. • euform-create-stack no longer sends a DisableRollback option unless it is explicitly requested.
Removed feature	Configuration for the retired Eucalyptus Community Cloud has been removed.

Resolved Issues

Euca2ools 3.2.2 resolves issues listed in the following table.

Issue	Description
TOOLS-597	euwatch-put-data now formats dimensions correctly when sending them to the server.
TOOLS-616	euca-describe-route-tables now supports the route.instance-id filter.
TOOLS-610	<p>euca-describe-network-interfaces now displays attachment IDs when the server provides them.</p> <p> Note: A portion of the fix for TOOLS-610 is delayed until the next minor release of euca2ools because it changes the command's output in a backwards-incompatible manner.</p>
TOOLS-578	euca-describe-groups now supports the generic tag:KEY filter for tags.
TOOLS-575	The documentation for euca-upload-bundle's --part option, which previously had no effect, has been removed. That option continues to be silently ignored.
TOOLS-603	euare-rolcreate's -f option now has a longer equivalent: --trust-policy.
TOOLS-608	euca-fingerprint-key now returns an error when given a file that is not a private key.

Issue	Description
<i>TOOLS-621</i>	euca-describe-network-interfaces now displays resource tags.
<i>TOOLS-613</i>	euform-update-stack now supports the --capabilities option.
<i>TOOLS-579</i>	A CloudFormation URL for the localhost region has been added.
<i>TOOLS-593</i>	euwatch-get-stats --period's default value of 60 seconds is now sent to the server when the option is left unspecified.
<i>TOOLS-594</i>	euca-unbundle and euca-download-and-unbundle no longer consider bundles with certain checksums to be corrupt.

Known Issues

The following table lists behavioral changes and known issues that exist in Euca2ools 3.2.2. 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
<i>TBD</i>	TBD
<i>TOOLS-TBD</i>	TBD

3.2.1

This section contains release notes for Euca2ools version 3.2.1.

What's New?

Euca2ools 3.2.1 has the following new features.

Feature	Description
New euca2ools.ini man page	The new man page documents the euca2ools configuration files.

Resolved Issues

Euca2ools 3.2.1 resolves issues listed in the following table.

Issue	Description
EUCA-9481	Account registration status will be removed from eucalyptus 4.2. The euare-usermod documentation now reflects that.
TOOLS-547	euca-describe-snapshots no longer sends requests that filter by snapshots' owners or restorers when asked to describe a list of specific snapshots.
TOOLS-553	euca-run-instances now accepts a <code>--associate-public-ip-address</code> option, which assigns public IP addresses to the instances it creates, even if the subnet in which they reside is configured to not assign them by default.
TOOLS-554	euare-accountgetsummary now accepts the <code>--as-account</code> option.
TOOLS-557	euare-accountcreate no longer requires an account name. Note that account names are still required by Eucalyptus 4.1 and earlier. To add a name to an account that lacks one, use euare-accountaliascreate.
TOOLS-559	Images created by euca-bundle-image and images that contain block device mappings now function correctly in EC2.
TOOLS-560	euca-authorize and euca-revoke can now create and delete rules with arbitrary <i>IANA-assigned protocol numbers</i> as well as the special values "all" and "-1", which refer to all network traffic, in VPC security groups. As a convenience, if a protocol is specified by name, then euca-authorize and euca-revoke will consult /etc/protocols to discover its number.
TOOLS-574	euca-upload-bundle <code>--skipmanifest</code> option now works correctly.

Issue	Description
	<code>euare-rolecreate --service</code> is now read from the command line correctly.
	EC2 no longer requires special privileges to use <code>euca-bundle-image</code> and <code>euca-install-image --virtualization-type</code> options. Those commands' documentation now reflects that.

Known Issues

The following table lists behavioral changes and known issues that exist in Euca2ools 3.2.1. 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
<i>TOOLS-385</i>	Some euca2ools commands may fail when used to work with resources that use non-ASCII characters.
<i>TOOLS-514</i>	HTTPS certificate validation cannot be disabled. Either use plain HTTP or ensure your cloud uses a certificate that was signed by a certificate authority the client trusts.

3.2.0

This section contains release notes for Euca2ools version 3.2.0.

What's New?

Euca2ools 3.2.0 has the following new features.

Feature	Description
EC2 API version updated	EC2 API-compatible commands have been updated to API version 2014-06-15.
Virtual Private Cloud (VPC) tools added	This release adds tech preview support tools for Virtual Private Cloud (VPC).
VMDK import support added	This release adds support for importing disk images in the VMDK format.

Resolved Issues

Euca2ools 3.2.0 resolves issues listed in the following table.

Issue	Description
TOOLS-294	Bundles generated by euca-bundle-image now work with EC2.
TOOLS-487	euca-describe-groups changed to always show both the names and IDs of any security groups that security group rules refer to.
TOOLS-504	euform-describe-stacks now shows stacks' parameters
TOOLS-516	euform-describe-stack-resources now displays the reasons for resources' statuses.
TOOLS-526	euca-describe-vpcs now displays whether or not each VPC is the default VPC.
TOOLS-528	euform-validate-template --template-url now no longer behaves the same as --template-file.
TOOLS-529	euca-describe-instances now displays VPC private address information correctly.
TOOLS-530	euca-run-instances no longer mixes interface-level and instance-level networking options when running instances in a VPC.
TOOLS-533	euare-servercertupload now handles certificate chain files correctly.
TOOLS-534	euare-usercreate has a new --verify option that ensures the group named with -g exists before doing anything.

Issue	Description
TOOLS-535	euform-validate-template now handles outputs that contain capability information correctly.
TOOLS-536	euform-create-stack now supports supplying the capability information necessary for nested templates with a new --capabilities option.
TOOLS-539	euca-create-vpc's --tenancy option now works correctly.
TOOLS-542	euare-userlistcerts now displays the user names of certificates' owners.

Known Issues

The following table lists behavioral changes and known issues that exist in Euca2ools 3.2.0. 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
TOOLS-385	Some euca2ools commands may fail when used to work with resources that use non-ASCII characters.
TOOLS-514	HTTPS certificate validation cannot be disabled. Either use plain HTTP or ensure your cloud uses a certificate that was signed by a certificate authority the client trusts.

3.1.3

This section contains release notes for Euca2ools version 3.1.3.

What's New?

Euca2ools 3.1.3 is a maintenance release that adds no new features.

Resolved Issues

Euca2ools 3.1.3 resolves issues listed in the following table.

Issue	Description
EUCA-9481	Account registration status will be removed from eucalyptus 4.2. The <code>euare-usermod</code> documentation now reflects that.
TOOLS-554	<code>euare-accountgetsummary</code> now accepts the <code>--as-account</code> option.
TOOLS-559	Images created by <code>euca-bundle-image</code> and images that contain block device mappings now function correctly in EC2.
TOOLS-560	<code>euca-authorize</code> and <code>euca-revoke</code> can now create and delete rules with arbitrary http://www.iana.org/assignments/protocol-numbers/protocol-numbers.shtml as well as the special values "all" and "-1", which refer to all network traffic, in VPC security groups. As a convenience, if a protocol is specified by name, then <code>euca-authorize</code> and <code>euca-revoke</code> will consult <code>/etc/protocols</code> to discover its number.
TOOLS-574	<code>euca-upload-bundle --skipmanifest</code> option now works correctly.
	<code>euare-rolecreate --service</code> is now read from the command line correctly.
	EC2 no longer requires special privileges to use <code>euca-bundle-image</code> and <code>euca-install-image --virtualization-type</code> options. Those commands' documentation now reflects that.

Known Issues

The following table lists behavioral changes and known issues that exist in Euca2ools 3.1.3. 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
<i>TOOLS-385</i>	Some euca2ools commands may fail when used to work with resources that use non-ASCII characters.
<i>TOOLS-514</i>	HTTPS certificate validation cannot be disabled. Either use plain HTTP or ensure your cloud uses a certificate that was signed by a certificate authority the client trusts.

3.1.2

This section contains release notes for Euca2ools version 3.1.2.

What's New?

Euca2ools 3.1.2 is a maintenance release that adds no new features.

Resolved Issues

Euca2ools 3.1.2 resolves issues listed in the following table.

Issue	Description
TOOLS-294	Bundles generated by euca-bundle-image now work with EC2.
TOOLS-504	euform-describe-stacks now shows stacks' parameters
TOOLS-516	euform-describe-stack-resources now displays the reasons for resources' statuses.
TOOLS-526	euca-describe-vpcs now displays whether or not each VPC is the default VPC.
TOOLS-528	euform-validate-template --template-url now no longer behaves the same as --template-file.
TOOLS-529	euca-describe-instances now displays VPC private address information correctly.
TOOLS-530	euca-run-instances no longer mixes interface-level and instance-level networking options when running instances in a VPC.
TOOLS-533	euare-servercertupload now handles certificate chain files correctly.
TOOLS-535	euform-validate-template now handles outputs that contain capability information correctly.
TOOLS-536	euform-create-stack now supports supplying the capability information necessary for nested templates with a new --capabilities option.
TOOLS-539	euca-create-vpc's --tenancy option now works correctly.

Known Issues

The following table lists behavioral changes and known issues that exist in Euca2ools 3.1.2. 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
<i>TOOLS-385</i>	Some euca2ools commands may fail when used to work with resources that use non-ASCII characters.
<i>TOOLS-514</i>	HTTPS certificate validation cannot be disabled. Either use plain HTTP or ensure your cloud uses a certificate that was signed by a certificate authority the client trusts.

3.1.1

This section contains release notes for Euca2ools version 3.1.1.

What's New?

Euca2ools 3.1.1 is a maintenance release that adds no new features.

Resolved Issues

Euca2ools 3.1.1 resolves issues listed in the following table.

Issue	Description
TOOLS-447	Version 0.2.2 of the requestbuilder library ships alongside euca2ools 3.1.1, making HTTP_PROXY and HTTPS_PROXY work correctly.
TOOLS-478	euca-bundle-instance now attempts to obtain access key IDs and secret keys from configuration files when they are not specified at the command line.
TOOLS-482	euare-instanceprofiledel -r/--recursive now attempts to delete any roles that are associated with the instance profile that is being deleted. If other resources, such as other instance profiles, prevent a role from being deleted then the command will fail. Running euare-roledel -r/--recursive can overcome this.
TOOLS-488	euca-import-instance now encodes user-data correctly.
TOOLS-489	euca-describe-instances now shows instances' architectures.
TOOLS-491	euca-import-instance and euca-import-volume now provide more useful error output when bucket creation fails.
TOOLS-495	euca-run-instances now handles user-supplied private addresses correctly.
TOOLS-496	euca-describe-instances now accepts an "iam-instance-profile.arn" filter.
TOOLS-497	For consistency with euca-create-vpc, euca-create-subnet will work correctly when address ranges are specified positionally. The -i/--cidr option is still recommended and continues to work.
TOOLS-498	euca-describe-subnets now shows subnets' address ranges.
TOOLS-503	For AWS compatibility, euform-create-stack's and euform-update-stack's -p/--parameter option now accepts more than one parameter with a single option by separating the parameters with semicolons. When it is used multiple times, the option still works as before.
TOOLS-510	euca-modify-instance-attribute -t/--instance-type now works correctly.

Issue	Description
TOOLS-512	euform-describe-stacks now lists stacks' outputs.
NA	euscale-create-launch-config now allows one to specify whether the service will associate public addresses with VPC instances created by a launch configuration. Use "--associate-public-ip-address true" or "--associate-public-ip-address false" to control this.
TOOLS-486	euare-userdelcert and euare-userdelkey no longer require -u/--user. When that option is omitted they will act upon the user that the command is running as.
TOOLS-490	euca-describe-instances's "block-device-mapping.delete-on-termination" filter now passes its inputs to the server using lowercase.
TOOLS-494	euca-describe-snapshot-attribute and euca-reset-snapshot-attribute were missing from previous releases. This has been fixed.
TOOLS-500	euca-describe-groups now accepts an "ip-permission.group-id" filter.
TOOLS-501	euca-authorize's -s/--cidr option now works with the --egress option.
TOOLS-513	euare-usercreatecert no longer requires -u/--user. When that option is omitted it will act upon the user that the command is running as.

Known Issues

The following table lists behavioral changes and known issues that exist in Euca2ools 3.1.1. 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
Cert validation cannot be disabled when using requests < 1.2.0 (TOOLS-480)	Please see the linked bug for more information.

3.1.0

This section contains release notes for Euca2ools version 3.1.0.

What's New?

Euca2ools 3.1.0 has the following new features.

Feature	Description
CloudFormation tools added	This release adds tools for AWS CloudFormation.
Image management tools added	We've added or enhanced commands for Eucalyptus' new Image Management Service, including <code>euca-install-image</code> , <code>euca-import-volume</code> , <code>euca-bundle-vol</code> , and <code>euca-import-instance</code> .
IAM commands added	New commands for IAM roles and instance profiles have been added in this release.

Resolved Issues

Euca2ools 3.1.0 resolves issues listed in the following table.

Issue	Description
TOOLS-392	Ephemeral block device mappings are displayed incorrectly
TOOLS-477	<code>euca-bundle-instance</code> doesn't return manifest path for easy registration of image
TOOLS-404	Use <code>/etc/services</code> to make specifying port numbers easier
TOOLS-461	<code>euca-import-volume</code> won't create bucket on user's behalf
TOOLS-460	'datetime.timedelta' object has no attribute 'total_seconds'
TOOLS-449	<code>euca-describe-instance-status</code> fails with: No module named <code>dateutil.parser</code>
TOOLS-429	Bundle and upload broken
TOOLS-428	Delete bundle with bucket and prefix is broken
TOOLS-427	Update <code>euca-bundle-vol</code>
TOOLS-425	<code>euca-bundle-and-upload</code> fails on linux
TOOLS-476	Registering kernel/ramdisk with <code>euca-install-image</code> fails with 'MissingParameter'
TOOLS-471	parse error on import instance response
TOOLS-470	Add <code>install-image</code> script that allows single command for <code>bundle/upload/register</code>
TOOLS-394	<code>euca-describe-images</code> shows account ID instead of bucket name for instance-store backed images

Issue	Description
TOOLS-371	Write an S3 QSA URL generator
TOOLS-368	Write euca-resume-import
TOOLS-367	Write euca-import-volume
TOOLS-365	Write euca-import-instance
TOOLS-479	-I and -S not working for all of the bundle commands
TOOLS-473	EC2 describe instances requestor-id filter should be requester-id
TOOLS-467	Add a eucalyptus-specific key pair option to euca-import-instance
TOOLS-458	eulb-create-lb doesn't support lowercase protocol names
TOOLS-459	--s3-url is ignored by euca-import-volume
TOOLS-454	Update default euca2ools.ini with a current list of endpoints
TOOLS-456	Add euscale-describe-account-limits for Eucalyptus/AWS AutoScaling
TOOLS-410	euare-servercertupload --certificate-chain-file option
TOOLS-407	euca-get-console-output fails if output not to a console [error: decode() argument 1 must be string, not None]
TOOLS-408	Create unbundle stream command
TOOLS-451	implement euca-reset-instance-attribute
TOOLS-430	Write role/instanceprofile CRUD commands
TOOLS-423	Remove eustore commands in their current form
TOOLS-452	euare-servercertupload should not require a certificate chain
TOOLS-426	Filter options should allow for wildcards
TOOLS-416	Add upload policy support to bundle-uploading code
TOOLS-415	Build a combined bundle-and-upload-image command
TOOLS-400	eulb-set-lb-policies-of-listener should always add PolicyNames in the request.
TOOLS-399	Add euca-register --platform
TOOLS-397	euwatch-describe-alarms should output alarm ARN when showing details
TOOLS-393	Remove default-region from default euca2ools.ini
TOOLS-392	Ephemeral block device mappings are displayed incorrectly
TOOLS-389	euca-get-console-output error after instance launch
TOOLS-390	euca-describe-images does not show "name" value
TOOLS-388	Amazon VPC support
TOOLS-377	euca-modify-instance-attribute is missing

Issue	Description
TOOLS-379	Behavior regarding deleting bundle using --clear against empty bucket doesn't match AWS
TOOLS-370	Add pipe I/O and file extent support to S3 back end
TOOLS-366	Write import manifest generator
TOOLS-364	Implement client side for ImportInstance/ImportVolume
TOOLS-330	euca-register-snapshot now requires --root-device-name. Did not used to.
TOOLS-464	euca-describe-tags shows resource ID before resource type
TOOLS-463	Instance profile created even if role does not exist
TOOLS-424	Implement ec2-fingerprint-key
TOOLS-396	euare-userlistpolicies with --pretty-print option fails
TOOLS-477	euca-bundle-instance doesn't return manifest path for easy registration of image
TOOLS-312	S3 redirects are signed incorrectly after following redirects to endpoints whose DNS names contain bucket names
TOOLS-404	Use /etc/services to make specifying port numbers easier
TOOLS-339	support case insensitive protocol names for eulb-configure-healthcheck
TOOLS-3	Bundle vol distro specific support

Known Issues

The following table lists behavioral changes and known issues that exist in Euca2ools 3.1.0. 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
euca-upload-bundle fails to handle error response from Walrus if S3_URL is incorrect (TOOLS-480)	If you use a /services/Walrus URL against eucalyptus 4.0 it will not handle redirects correctly. WORKAROUND: workaround is to change it to the correct URL for 4.0: /services/objectstorage.
Bundles generated by euca-bundle-image don't work with EC2 (TOOLS-294)	The euca-bundle-image command generates manifests that EC2 refuses to register, throwing an "Invalid AMI manifest" error. WORKAROUND: Use the ec2-bundle-image tool.

3.0.5

This section contains release notes for Euca2ools version 3.0.5.

Euca2ools 3.0.5 is the last planned release of Euca2ools 3.0.

What's New?

Euca2ools 3.0.5 is a maintenance release that adds no new features.

Resolved Issues

Euca2ools 3.0.5 resolves issues listed in the following table.

Issue	Description
TOOLS-294	Bundles generated by euca-bundle-image now work with EC2.

Known Issues

The following table lists behavioral changes and known issues that exist in Euca2ools 3.0.5. 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
TOOLS-385	Some euca2ools commands may fail when used to work with resources that use non-ASCII characters.
TOOLS-514	HTTPS certificate validation cannot be disabled. Either use plain HTTP or ensure your cloud uses a certificate that was signed by a certificate authority the client trusts.

3.0.4

This section contains release notes for Euca2ools version 3.0.4.

What's New?

Euca2ools 3.0.4 is a maintenance release that adds no new features.

Resolved Issues

Euca2ools 3.0.4 resolves issues listed in the following table.

Issue	Description
TOOLS-447	HTTP_PROXY and HTTPS_PROXY are now handled correctly for commands that begin with "euca." Version 0.1.1 of the requestbuilder library, which ships alongside euca2ools 3.0.4, fixes them for other commands.
TOOLS-486	euare-userdelcert and euare-userdelkey no longer require -u/--user. When that option is omitted they will act upon the user that the command is running as.
TOOLS-490	euca-describe-instances's "block-device-mapping.delete-on-termination" filter now passes its inputs to the server using lowercase.
TOOLS-494	euca-describe-snapshot-attribute and euca-reset-snapshot-attribute were missing from previous releases. This has been fixed.
TOOLS-500	euca-describe-groups now accepts an "ip-permission.group-id" filter.
TOOLS-501	euca-authorize's -s/--cidr option now works with the --egress option.
TOOLS-513	euare-usercreatecert no longer requires -u/--user. When that option is omitted it will act upon the user that the command is running as.

Known Issues

The following table lists behavioral changes and known issues that exist in Euca2ools 3.0.4. 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
Cert validation cannot be disabled when using requests < 1.2.0 (TOOLS-480)	Please see the linked bug for more information.

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
<i>TOOLS-273</i>	euca-bundle-vol should not require access keys
<i>TOOLS-270</i>	euca-get-password with an invalid pk returns a confusing error message
<i>TOOLS-186</i>	euca-describe-instances doesn't show block device or volume information for BFEBS-backed instances
<i>TOOLS-185</i>	Multiple block device mappings for the same device are silently dropped
<i>TOOLS-177</i>	eustore-install-image -- BotoClientError: Bucket names cannot contain upper-case characters
<i>TOOLS-174</i>	Prevent boto 2.6 from validating server certs by default
<i>TOOLS-173</i>	Multiple filter values are ignored (--filter option)
<i>TOOLS-170</i>	generated man page for euca-run-instances has incorrect long-option --instance-count
<i>TOOLS-150</i>	Unclear error message when running eustore-install-image
<i>TOOLS-134</i>	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)	<p>Euca2ools now choose configuration sources with this priority:</p> <ol style="list-style-type: none"> 1. Command line argument 2. File in the user's home dir (~/.eucarc) 3. Systemwide config file (/etc/euca2ools/eucarc) 4. Environment variables <p>Please see 'Environment Variables Order of Precedence' in the 'Configuring Euca2ools' section of the Euca2ools 3.0.0 Reference Guide for more information.</p>

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