

CA Release Automation

Action Pack for Apache
Subversion 10.5.1410.1

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Action Pack for Apache Subversion 10.5.1410.1

Action Pack for Apache Subversion

The Action Pack for Apache Subversion (SVN) contains actions that enable you to create workflow processes that perform operations in SVN.

Actions Help

To view a listing of input and output descriptions for deployed actions, refer to:

- [Apache Subversion Actions \(see page 8\)](#) in this document.
- The embedded actions help available in the installation at <http://<yourdeployment>/nolio-app/actionshelp.jsp>.

Supported Platforms:

- SVN actions in this pack support Apache Subversion 1.4 to 1.8.8.
- SVN actions in this pack are confirmed for CA Release Automation 4.7, 4.7.x, and 5.0.
- Windows 2008 R2 and Linux Red Hat 6.

Install and use these actions to execute commands and tasks in SVN.

Follow these steps:

1. Verify the [Prerequisites for Running Apache Subversion Actions \(see page \)](#).
2. Deploy the action pack for Apache Subversion.
For more information, see [Manage Action Packs in Release Operations Center](#).
3. Use SVN actions in CA processes.
For more information, see [How to Create Automation Processes in Deployment Automation](#).

Prerequisites For Running Apache Subversion Actions

The following is a prerequisite for running Apache Subversion actions:

- Download and import the the Action Pack:
 1. Download the action pack from CA Support.
 2. Extract the Action Pack zip file to get the action pack .jar and the dependencies .zip files.
 3. Extract the dependencies.zip file.
 4. Import both the .jar and the contents of the dependencies .zip into using Actions Management.

What's New

The following action(s) or information for Apache Subversion is new in this release.

- Corrected the support.ca download discrepancies.

Apache Subversion Actions

All SVN actions are delivered as an Action Pack. The SVN actions are stored in the CA Release Automation Repository, database, and in the folder structure.

Note: Upgraded systems include all previously available actions.

The Action Pack for Apache Subversion provides the following actions:

- [SVN - Check Out \(see page 8\)](#)
- [SVN - Commit \(see page 9\)](#)
- [SVN - Create Branch / Tag \(see page 10\)](#)
- [SVN - Export \(see page 10\)](#)
- [SVN - Info \(see page 11\)](#)
- [SVN - Update \(see page 12\)](#)

SVN - Check Out

Check out a working copy from a repository.

Input Values

Name	Type	Description
* Destination Path	String	If destination path doesn't exist, the path will be created.
* Password	Password	SVN server password
* Server Url	String	A path of a directory on the server. For example, "svn://<host>/nolio/newBranch"
* User Name	String	SVN server user name

Name	Type	Description
Allow Unversioned Obstructions	boolean	If allowUnversionedObstructions is true then the update tolerates existing unversioned items that obstruct added paths. Only obstructions of the same type (file or dir) as the added item are tolerated. The text of obstructing files is left as-is, effectively treating it as a user modification after the update. If allowUnversionedObstructions is false then the update will abort if there are any unversioned obstructing items.
Revision Number	Long	The revision number of the working copy you need. The default is the last revision (HEAD).

Output Values

Name	Type	Description
Revision	Long	SVN revision

SVN - Commit

Commit changes to a repository. The action allows you to Add / Delete / Modify and commits the changes to the repository.

Input Values

Name	Type	Description
* Commit Type	CommitType	Choose "Add" to add an item, "Delete" to delete a versioned item, or "Modify" to change a versioned item.
* Password	Password	SVN server password
* User Name	String	SVN server user name
* Working Copy path	String	The working copy path to be committed. The path can point to a file or a directory (works recursively).
Commit Message	String	log message

Output Values

Name	Type	Description
Revision	Long	SVN revision

SVN - Create Branch / Tag

Creates (copies) a new branch / tag on the SVN server.

Input Values

Name	Type	Description
* New Tag Path	String	The path of the new tag/branch. Example: "svn://<host>/nolio/newBranch"
* Password	Password	SVN server password
* Server Url	String	A path of a directory on the server. The directory supplied is the base to the new branch. Example: "svn://<host>/nolio/trunk"
* User Name	String	SVN server user name
Commit Message	String	Log message
Revision Number	Long	The revision number of the working copy you need. The default is the last revision (HEAD).

Output Values

Name	Type	Description
Revision	Long	SVN revision

SVN - Export

Exports the contents of either a subversion repository or a subversion working copy into a 'clean' directory

Input Values

Name	Type	Description
* Destination Path	String	If destination path doesn't exist, the path will be created.
* Password	Password	SVN server password
* Server Url	String	A path of a directory on the server. For example, "svn://<host>/nolio/newBranch"

* User Name	String	SVN server user name
Overwrite	boolean	if true, will cause the export to overwrite files or directories.
Revision Number	Long	The revision number of the working copy you need. The default is the last revision (HEAD).

Output Values

Name	Type	Description
Revision	Long	SVN revision

SVN - Info

Getting information about specific repository artifact

Input Values

Name	Type	Description
* Password	Password	SVN server password
* Server Url	String	A path to a file or folder on the SVN server. For example, "svn://<host>/my-folder/my-file.txt"
* User Name	String	SVN server user name
Revision Number	Long	The revision number of the working copy you need. The default is the last revision (HEAD).

Output Values

Name	Type	Description
Repository UUID	String	The repository Universally Unique Identifier
Revision	Long	SVN revision
Revision Author	String	Revision last change author
Revision Commit Message	String	The requested revision commit message
Revision Date	String	Revision last change date
Revision Kind	String	The requested revision type.
Revision Name	String	The requested revision name
Revision URL	String	The requested revision URL

SVN - Update

Update a working copy from an SVN repository.

Input Values

Name	Type	Description
* Password	Password	SVN server password
* Path	String	The path of the versioned item to update. Unversioned paths that are direct children of a versioned path will cause an update that attempts to add that path, other unversioned paths are skipped
* User Name	String	SVN server user name
Allow Unversioned Obstructions	boolean	If "allow unversioned obstructions" is true then the update tolerates existing unversioned items that obstruct added paths. Only obstructions of the same type (file or dir) as the added item are tolerated. The text of obstructing files is left as-is, effectively treating it as a user modification after the update. If "allow unversioned obstructions" is false then the update will abort if there are any unversioned obstructing items.
Revision Number	Long	The revision number of the working copy you need. The default is the last revision (HEAD).

Output Values

Name	Type	Description
Revision	Long	SVN revision

Manage Action Packs in Release Operations Center

The inventory of action templates is managed and viewed from Action Management in the Administration tab. Action packages include standard actions, technology-specific actions, and customized actions. Packages are collections of category groups. Each category represents a group of action templates that have a common usage.

Note: Managing action packs require the user to have a Superuser authorization.

Action Management provides the following viewing and management tabs:

- **Available Packs**

This tab displays the action packs that are available for download to your system. As a convenience, your system synchronizes with the CA server and lists newly published action packs in the Available Packs listing. These packages are denoted with new icons and are displayed above the alphabetically sorted packages.

To download a package, click the check box for the package, click Download, and follow the prompts to download and install automatically the package to your system.

- **Installed Packs**

This tab displays the action packs that are installed or have been imported to your system. From this tab you can:

- View the action packs currently installed on your system.
- View action lists. To display all actions within a package, click the action pack name link to display the documentation.
- Import action packs from a local server. If, for example, your Release Automation server is not connected to the Internet for security protocol, you can import the package from another server. Import all customized action packs. Click Import and navigate to the local file, such as the FTP site or support.ca.com. When importing from the [CA FTP](#) site, ensure that the 8083 default port is open. Optionally, configure an alternative port through the <product>\UpdateService\URL.ini file. The imported packages are often .jar files. Manually download and install the package.
Note: If the Download Manager FTP functionality is not available due to the network configuration, then manually download the packs. Then, upload the action packs through Automation Studio.
- Delete action packs. To remove action packs from your system, click the check box for the package and click Delete. Note: An action pack deleted in the Release Operations Center is also removed from the repository.
- Update action packs. Installed packages with newer versions are identified though an update icon. Click the check box for the package, click Update, and follow the prompts to replace your package with the latest published version.

Note: If Automation Studio is open when you download an action pack using Release Operations Center, open the Action Management page in Automation Studio and click the Refresh button to update the list of available actions.