Applying updates with the Precise CLI utility

This section includes the following topic:

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To apply an update, you need to load the update related zip file to the Main Precise FocalPoint. This step is performed only once for the `updates.zip`, and there is no need to load the `updates.zip` again as part of applying it to servers. Once the update is loaded, you can apply the update to one or more servers. Applying an update consists of 2 stages, which must be run one after the other for the same group of servers:

1. **Prepare**. Check the related servers' disk space and produce pre-update action items that must be completed before you continue to stage #2.
2. **Install**. Apply the updates to the servers.

Loading the updates.zip file

To load the `updates.zip` file, perform the following steps.

1. Copy the `updates.zip` file to the Main Precise FocalPoint.
2. Run the following command from the <*precise_root*> folder on the Main Precise FocalPoint:

   Windows infra\bin\psin_cli.bat
   -i3-user <*user_name*>
   {-i3-encrypted-password <*encrypted_password*> | -i3-clear-password <*clear_password*>}
   -action i3-update-load
   -zip-file <*update zip file path*>

   UNIX ./infra/bin/psin_cli.sh
   -i3-user <*user_name*>
   {-i3-encrypted-password <*encrypted_password*> | -i3-clear-password <*clear_password*>}
   -action i3-update-load
   -zip-file <*update zip file path*>

   Table 1 Elements of the Update.zip file

Element	Description
i3-user	See Authenticate to CLI Utility.
i3-encrypted-password	See Authenticate to CLI Utility.
action	Always i3-update-load.
zip-file	Path to the `updates.zip` file located on the Main Precise FocalPoint.

Prepare and install the update

To install the update, perform the following steps:

1. Load the `updates.zip` file (see previous section).
2. Prepare the updates on a selected group of servers.
3. Install the update on the same selected group of servers as in step #2. To prepare/install updates
4. Run the following command from the <*precise_root*> folder of the Main Precise FocalPoint:

   Windows infra\bin\psin_cli.bat
   -i3-user <*user_name*>
   {-i3-encrypted-password <*encrypted_password*> | -i3-clear-password <*clear_password*>}
   -action {i3-update-prepare | i3-update-install} [-proxy-alias <node_alias>]
   {-servers "<servers>" | -all-servers true}
   [-installation-cd-path <Precise_v*x.x*_download_path>]
   -updates-ids "<updates_ids>"

   UNIX ./infra/bin/psin_cli.sh
   -i3-user <*user_name*>
   {-i3-encrypted-password <*encrypted_password*> | -i3-clear-password <*clear_password*>}
   -action {i3-update-prepare | i3-update-install} [-proxy-alias <node_alias>]
   {-servers "<servers>" | -all-servers true}
   [-installation-cd-path <Precise_v*x.x*_download_path>]
   -updates-ids "<updates_ids>"

   Table 2 Elements of the Update.zip file

Element	Description
i3-user	See Authenticate to CLI Utility.
i3-encrypted-password	See Authenticate to CLI Utility.

action	Either i3-update-prepare or i3-update-install. **Mandatory**: Yes
proxy-alias	The alias of the servers' node. **Mandatory**: No
servers	Comma separated list of servers to prepare/install. **Mandatory**: Yes, if -all-servers is not specified
all-servers	Indicates that the update should be prepared/installed on all related servers. **Values**: true, false **Mandatory**: Yes, if -servers is not specified
installation-cd-path	The path of the installation media. **Mandatory**: Only for upgrade Precise version related updates
updates-ids	Comma separated list of updated IDs to prepare/install. **Mandatory**: Yes