# Evaluation Scenario Definition

## Scenario Goal - Use CIWi to install and uninstall a component to a host over a network.

The high level scenario design is as follows:

* login to the CIWi web application on rhelserv1
* use CIWi to install an ADS demo package onto rhel1
* verify install was successful
* use CIWi to uninstall the ADS demo package
* verify uninstall was successful
* logout of CIWi

To create a repeatable situation where the scenario would reliably fail, the CIWi Java service running on the remote node was stopped. This caused the CIWi web application to fail when it attempted to submit an install transaction.

From the above, each step is broken down into subroutines and are implemented using each tool while noting the overall development time for each for comparison.

Additionally, Jenkins is used to automate running each tool in both passing and failing situations. This provides the benefits of being able to coordinate starting each scenario with one click, and to capture execution times for each tool evaluated. To this end the following discrete steps are created and used within Jenkins:

* start ciwi service
* run eggplant scenario expecting success
* stop ciwi service
* run eggplant scenario expecting failure
* start ciwi service
* run sikuli scenario expecting success
* stop ciwi service
* run sikuli scenario expecting failure
* start ciwi service
* run ATRT scenario expecting success
* stop ciwi service
* run ATRT scenario expecting failure

The following are the detailed steps of the common scenario used for evaluation of all tools.

* Launch Firefox
  + Navigate to rhelserv1/ciwi/ciwi/
* On "CIWI Login" screen,
  + Type Username: ciwi
  + Type Password: asd123
  + Click "Login" or "type return"
* On the "Domain" window,
  + Select "Innovation Lab" from dropdown
  + Click "Set Domain"
* Now at "Main Menu" screen,
  + Click "Components
* On the "Components" screen,
  + Click "Modify" for the ADS component
* On the "Component Status" screen,
  + Click the tab "By Host"
  + Click the "Install" button for the rhel1 host
* On "Remote Login Credentials" screen,
  + For "Username", type "autotest"
  + For "Password", type "autotest"
  + For "Install as User", delete all contents of the text entry box
  + Click "Next"
* On "Installation Path" screen,
  + Type "/home/autotest/ciwi"
  + Click "Next"
* On "Site Specific Questions" screen
  + Click "Next"
* On "Physical Hosts" screen
  + Click "Next"
* On "Summary" screen
  + Click "Install"
* On the screen that pops up,
  + Verify "submitted"
  + Click "OK"
* On the "Components" screen,
  + Click the "Modify" button for the ADS component
* On the "Component Status" screen,
  + Click the tab "By Host"
  + Wait for up to 1 minute for the rhel1 "Status" column to display "Installed"
  + ### Uninstallation
  + Click "Uninstall"
* On "Remote Login Credentials" screen,
  + For "Username", type "autotest"
  + For "Password", type "autotest"
  + For "Uninstall as User", delete all contents of the text entry box
  + Click "Next"
* On "Site Specific Questions" screen
  + Click "Next"
* On "Hosts" screen
  + Click "Next"
* On "Summary" screen
  + Click "Uninstall"
* On the screen that pops up,
  + Verify "submitted"
  + Click "OK"
* On the "Components" screen,
  + Click the "Modify" button for the ADS component
* On the "Component Status" screen,
  + Click the tab "By Host"
  + Wait for up to 1 minute for the rhel1 "Status" column to display "Uninstalled"
  + Click "Logout"
* Exit Firefox