Provar / qTest Workflow Configuration

# Workflow Overview

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Description automatically generated

# **Install qTest Launch Automation Host**

1. Follow the instructions located in the official support documentation: <https://documentation.tricentis.com/qtest/10500/en/content/launch/automation_host/installation/qtest_automation_host_2.x_installation_guide_on_linux.htm#qTestAutomationHost2.xInstallationGuideonLinux>
2. Perform the following commands in the EC2 Linux environment:
   1. Download the archive:   
      wget https://qasymphony.jfrog.io/artifactory/launch-release-local/automation-hosts/agentctl/2.3.6/agentctl-2.3.6-linux-x64-full.tgz
   2. Extract the archive:  
      sctsudo tar -xf agentctl-2.3.6-linux-x64-full.tgz
   3. Change to the extracted directory:  
      cd agentctl-2.3.6
   4. Edit the config file:  
      vi agent.config
   5. Confirm the config file:  
      cat agent.config  
        
      The agent.config should appear like the following when complete:  
        
      port = 6789  
      hostname = 'CSB Provar DEV Host'  
      autostart = true  
      logrotationbyday = 30  
      qtest {  
       url = 'https://qtestdev.dcs.in.gov'  
       token = 'bmVwaGVsZXxDU0ItSVREZXZPcHNTeXNBZG1pbnNAZGNzLklOLmdvdjoxNjcxNTY0Nzg1NTQyOmE5NTIwOTEwYzJkNTQxNDJhODlkOWJiZDM1OGIwMjE4'  
      }  
      proxy {  
       enable = false  
       script = ''  
       host = ''  
       port = 0  
       username = ''  
       password = ''  
      }
   6. Install the Automation Host as a service:  
      sudo systemctl ./install 'DEV-Provar-Host'
   7. Start the service:  
      sudo systemctl start DEV-Provar-Host
3. Install Node.js 16 for Execution Script:
   1. Download the archive:  
      curl -sL https://rpm.nodesource.com/setup\_16.x | sudo bash -
   2. Install the archive via yum:  
      sudo yum install -y nodejs
   3. Verify the installation:  
      npm

# Install Provar and Workflow Prerequisites

1. Follow the instructions located in the official support documentation: <https://www.provartesting.com/documentation/devops/running-provar-on-linux/>
2. Install Java JDK:
   1. Install via yum:  
      sudo yum install java-1.8.0-openjdk-devel.x86\_64
   2. Confirm Java path and version:  
      sudo java -version
3. Install Apache ANT:
   1. Download the archive:  
      wget https://dlcdn.apache.org//ant/binaries/apache-ant-1.10.12-bin.tar.gz
   2. Extract the archive:  
      sudo tar xvfvz apache-ant-1.10.12-bin.tar.gz -C /opt
   3. Create symbolic links:  
      sudo ln -s /opt/apache-ant-1.10.12 /opt/ant/  
      sudo sh -c 'echo ANT\_HOME=/opt/ant >> /etc/environment'  
      sudo ln -s /opt/ant/bin/ant /usr/bin/ant
   4. Confirm ANT installation and path:  
      sudo ant –version
4. Install Chromium Browser:
   1. Download the archive:  
      sudo wget https://dl.google.com/linux/direct/google-chrome-stable\_current\_x86\_64.rpm
   2. Install via yum:  
      sudo yum install ./google-chrome-stable\_current\_x86\_64.rpm
   3. Create symbolic link:  
      sudo ln -s /usr/bin/google-chrome-stable /usr/bin/chromium
   4. Confirm Chromium installation:  
      sudo chromium -version
5. Install Xvfb for headless browser testing:
   1. Install via yum:  
      sudo yum install xorg-x11-server-Xvfb
6. Install Provar:
   1. Download the archive:  
      sudo wget -qP /srv/Provar https://download.provartesting.com/latest/Provar\_ANT\_latest.zip
   2. Extract the archive:  
      sudo unzip /srv/Provar/Provar\_ANT\_latest.zip -d /srv/Provar/Provar\_ANT\_latest
   3. Set the Provar home path:  
      export PROVAR\_HOME='/srv/Provar/Provar\_ANT\_latest'
7. Copy Provar License file (e.g. DCS Execution.properties) to /usr/Provar/.licenses
8. Update Provar project /home/devprvrtemp/<project>/ANT/build.xml:

<property name="provar.home" value="${env.PROVAR\_HOME}"/>  
<property name="testproject.home" value="/home/devprvrtemp/demo"/>  
 <Run-Test-Case resultsPathDisposition="Replace"

Execution:  
xvfb-run ant -f /home/devprvrtemp/<project>/ANT/build.xml

Results location:  
/home/devprvrtemp/<project>/ANT/Results/JUnit.xml