

McAfee – Test Automation Framework

Test Automation Framework Installation Guide

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Synopsis

This document captures steps for installation of Automation Framework.

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Document Revision History

Rev.	Date	Author	Description
0.1	27 Apr 2010	Jayasankar	Initial version
0.2	28 Apr 2010	Jayasankar	Changes for providing svn username and password
1.0	6 th May 2010	Jayaram	Final changes.

Terms and Abbreviations

Term	Description
TBD	To Be Decided
HSD	Harness Server Daemon

Contents

1 Introduction.....4

2 Server Installation4

2.1 Requirements.....4

2.2 Installation Steps.....4

3 Client Installation.....4

3.1 Requirements.....4

3.2 Installation Steps.....4

4 Uninstallation.....5

1 Introduction

The test automation framework is delivered as two packages.

1. Test Automation Framework Server package – Every test rig will have a test harness server. The server package has to be installed on the server.
2. Test Automation Framework Client package – Every test node, which needs to be added to the test rig, has to have this package installed on it.

2 Server Installation

2.1 Requirements

1. The test server should be able to resolve it's own hostname to an IP Address. (This can be achieved wither through entries in /etc/hosts or using a DNS server)
2. The test server should be able to resolve the hostnames of all test nodes to an IP address. (This can be achieved wither through entries in /etc/hosts or using a DNS server)
3. The test server must be a Leopard machine running on Intel architecture.
4. The server should be able to access the test link and SVN servers.
5. A silent installation file called "/root/TAF_INSTALL_PROPERTIES" should be created with the following content.

```
SMTP_SERVER_IP_ADDRESS=<SMPT_SERVER_IP_ADDRESS>
SVN_USERNAME=<SVN_USERNAME>
SVN_PASSWORD=<SVN_PASSWORD>
```

2.2 Installation Steps

1. Open the TAF-Server-<BUILD_NUM>-<PKG-NUM>.pkg file and follow the instructions.
2. After the installation has completed successfully, open Activity monitor and check for "STAFProc" and "harnessServer" processes.

3 Client Installation

3.1 Requirements

1. The test node being added should be able to resolve it's own hostname to an IP Address. (This can be achieved either through entries in /etc/hosts or using a DNS server)
2. The test node should be able to access the buildroom servers (bngweb).
3. The test node should have the following perl modules installed on it.
 - a. File::Copy
 - b. File::Fetch
 - c. File::Path
 - d. File::Find
 - e. Net::Ping
 - f. Net::Telnet
 - g. Mac::AppleScript

3.2 Installation Steps

1. Open the TAF-Client-<BUILD_NUM>-<PKG-NUM>.pkg file and follow the instructions.
2. After the installation has completed successfully, open Activity monitor and check for "STAFProc" process.

3. Execute the “harnessCLI” (provided with the server package) from any Leopard / Snow Leopard machine running on Intel processor and add the test node details to the harness server. In order to execute harnessCLI on any machine other than the server, harnessCLI and libTAFCommon.dylib will need to be copied onto the other machine.

4 Uninstallation

1. Execute the command `/usr/local/TAF/bin/uninstallTAF.sh`. This command needs root privileges. The command is common for both server and client packages.