

User Platform Client Installation

Software Quality Team

ABSTRACT

This usage guide document will briefly introduce the installation of TMP Client, this document will include following areas:

- a) Client preparations
- b) Client install

REVISION HISTORY

REVISION	RELEASE DATE	COMMENTS
V1.0	9/10/2016	Initial draft
V1.1	4/11/2017	Jason Wang
V1.2	5/10/2019	Jason Wang

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1 Preparation for TMP Client

1.1 What is TMP Client

TMP (Test Management Platform) Client is used to receive and run test case from TMP server, on the meanwhile client also support test suite run locally.

1.2 System requirements

1.2.1 Operation System requirements

The following are tested OS and we are not guarantee OS not list here

Window:

Win 7 or later.

Linux:

RedHat 6 or later

CentOS 7 or later

OpenSUSE 42 or later

Unbuntu 16 or later

1.2.2 Hard Ware suggestion

CPU core number: 4

Physical memory: 8G

1.3 System setting (Linux only)

TMP Client will launch many test cases concurrently (Depends on user setting in Menu → Setting → Preference → Max Threads) which will exceed the default user open files limitation (1024).

To avoid this limitation we need to add following two lines into file /etc/security/limits.conf.

```
* soft    nofile    32768
```

```
* hard    nofile    65536
```

To verify this modification you can type: `ulimit -a`

1.3 Dependence software and version

1.3.1 Java

TMP Client was built with Java 8 build121 32 bits. Although we have patched the whole JRE in the software build but we still suggest you install the JRE on your operation system (Especially on Linux platform).

Minimum Java version 1.8 is required, you can check Java version by type following command in console:

```
java -version
```

See appendix for java software.

1.3.2 Python

TMP Client will invoke core script to launch every detail test case. Core script was built by Python software, so we need Python ready on your machine.

Python version 2.7.x in 32 bits is required, you can check Python version by type following command in console:

```
Python -version
```

TMP client use a python package “psutil” to run system check, so we also need to install this package.

Python psutil version 5.0.0 in 32 bits is required.

TMP client use a python package “MySQL” to run suite file upload, if you need to upload a suite file, please install this package.

Python MySQLdb version 1.2.5 in 32 bits is required.

See appendix for Python software.

1.3.3 Subversion

In most case our core script and user case were stored in subversion. So TMP client need subversion ready on your machine.

Subversion version large than 1.6 is required, you can check your version by type following command in console:

```
svn --version
```

See appendix for Subversion software.

2 Install TMP Client

2.1 Export TMP Client build

TMP Client build will follow the name rules as:

Tmp_client_a.bb_installer_ccc_ddd.dd

a: Public release version

b: Internal release version

ccc: bin/src, binary package or source package

ddd.dd: install platform which can be:

- 1) linux.run: package for Linux with install wizard.
- 2) windows.exe: package for windows with install wizard.
- 3) all.tar.gz: package for all platform with manually install.

For example:

- 1) tmp_client_2.06_installer_bin_linux.run:
Build version 2.06 for Linux (RedHat, Ubuntu, SUSE) install with wizard available.
- 2) tmp_client_2.06_installer_bin_windows.exe:
Build version 2.06 for Windows (win7 or later) install with wizard available.
- 3) tmp_client_2.06_installer_src_all.tar.gz:
Build version 2.06 for all platform install without install wizard (manually install).

Please export the build according your requirements:

See appendix for build location

2.2 Install TMP Client build

2.2.1 Install with wizard

TMP Client package offer general GUI setup, so you can simply following with the wizard to install it.

Step 1: Double click install package.

Step 2: Confirm install build and click “Next”

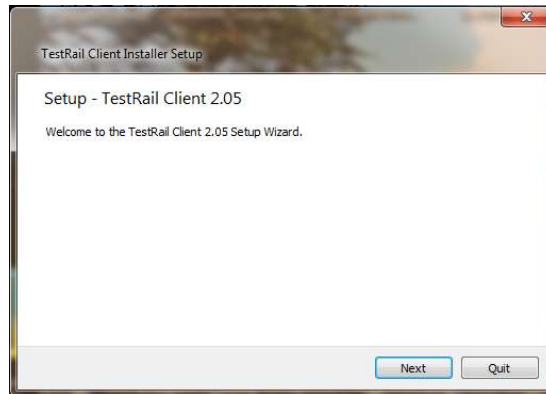


Figure1: Confirm install build

Step 3: Select install type

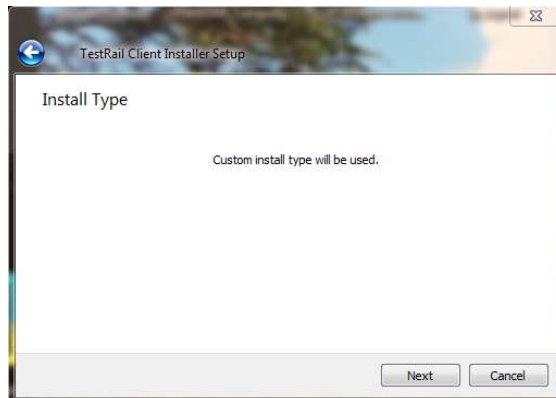


Figure2: Select install type

Step 4: Select install folder

The default install path will be <User home>/TestRail_Client. You can select another path with “Browse” button.

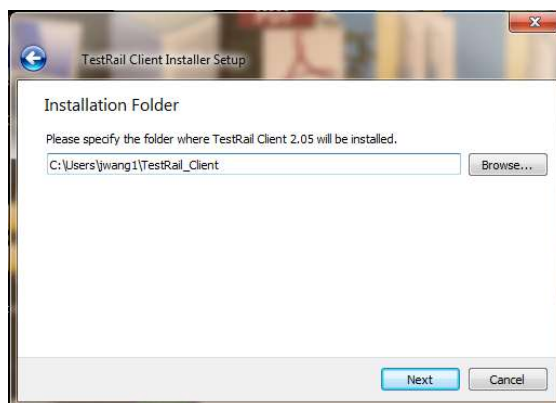


Figure3: Select install folder

Step 5: Select install components

Please select install components, the core component “TMP core component” is the must item to install.

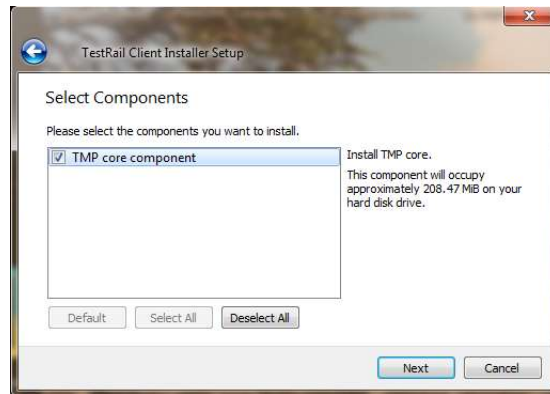


Figure4: Install components select

Step 6 License agreement

Please accept the license before next step.

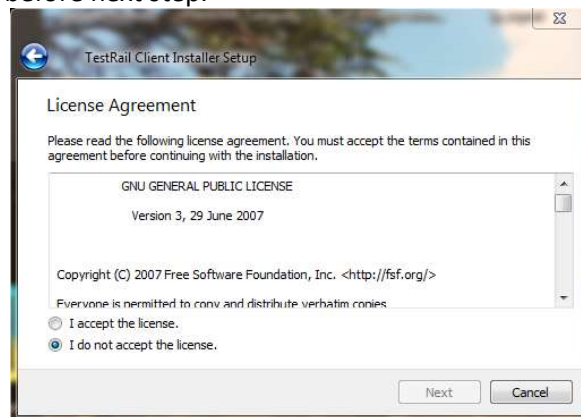


Figure5: Accept the license

Step 7 Create Start Menu shortcuts (Windows)

On Windows platform, setup wizard will create shortcuts in "Start Menu" for your future launch.

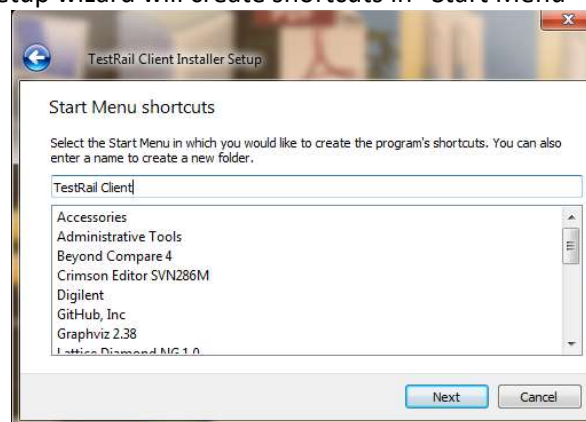


Figure6: Start Menu shortcut create

Step 8 install

Click "install" button to install software.

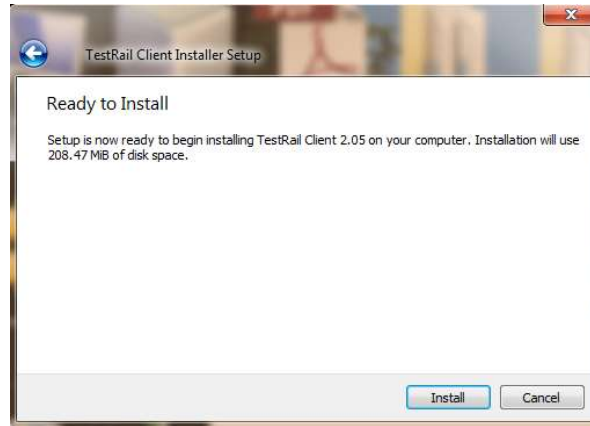


Figure7: Install software

2.2.2 Manually install

If you download a source package like: tmp_client_2.05_installer_src_all.tar.gz
You can use 7zip extract the source code on windows or tar command line (tar -xv -f tmp_client_2.05_installer_src_all.tar.gz) on Linux.
Place the source folder as you want.

3 Appendix

Software address: \\lsh-smb01\sw\qa\qa_store\TMP_tools\depend_software
TMP client build: Software QA SVN: /release/tmp_client/
