

Telecom ParisTech
COMELEC / INFRESDevelopment Infrastructure for TTool

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Summary			

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Aucune entrée de table d'illustration n'a été trouvée.

1. Preface

1.1 Table of versions

<i>Version</i>	<i>Date</i>	<i>Description & rationale of modifications</i>	<i>Sections modified</i>
1.0	17/10/2016	First draft.	

1.2 Table of references and applicable documents

<i>Reference</i>	<i>Title & Edition</i>	<i>Author or Editor</i>	<i>Year</i>

1.3 Acronyms and glossary

<i>Term</i>	<i>Description</i>

2. Executive Summary

This document describes the new development infrastructure that has been setup for the development of TTool. It describes where the sources are located, how they are managed, bug tracking, TODO complete.

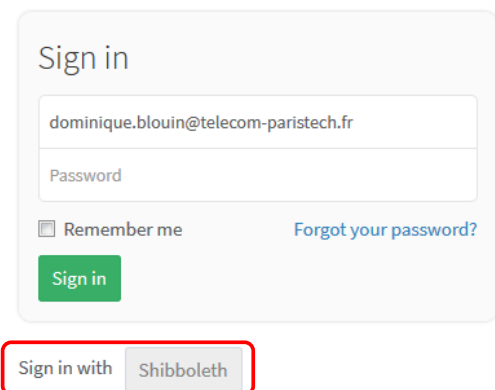
3. Source Configuration Management

3.1 Gitlab Server

TTool sources are hosted on the Gitlab server of Telecom ParisTech under the group *mbe-tools* and project *TTool*. The Gitlab project can be accessed via <https://gitlab.telecom-paristech.fr/mbe-tools/TTool>. Login must be performed using Shibboleth as shown in the screen capture below, using the credentials from your institution if it is a member of the Fédération Education Recherche (<https://services.renater.fr/federation/participants/idp>). Otherwise, please ask us for an account.

GitLab Télécom ParisTech

Dépôt de projets pour l'école et ses partenaires.



3.2 Basic Sources Management

The address to access the sources is <git@gitlab.enst.fr:mbe-tools/TTool.git>. For the time being and until further notice, we will keep using a centralized development process, like it was the case for Subversion. In this process, each developer first obtains a clone of the master remote repository. For this, go to the directory where the sources are to be downloaded and issue the following command:

```
git clone git@gitlab.enst.fr:mbe-tools/TTool.git
```

Once modifications are made, they can be committed using:

```
git commit -m "Commit message"
```

This will only commit the changes in your local repository. In order to move them to the remote repository, use:

```
git push origin master
```

More information on the use of Git can be found here: <http://rogerdudler.github.io/git-guide/>.

By default, Git will ask credentials for each operation. In order to avoid this, it is possible to upload a public SSH key at <https://gitlab.telecom-paristech.fr/profile/keys>.

3.3 Bug Tracking

The Gitlab server provides an issues tracking system to record bugs, evolutions or support demands from users and developers (<https://gitlab.telecom-paristech.fr/mbe-tools/TTool/issues>).

It is suggested to create an issue for every modification that is made to the code, providing with the issue detailed information on the problem including screen shots, log traces and test cases if required. This information is important so that other developers can understand why the changes were made. Ideally, the issue number should be mentioned within the modified code and commit messages.

4. Development with Make

5. Development with Eclipse

5.1 Installing and Configuring Eclipse

5.2 Source Management with EGit

5.3 Java Development

5.4 C++ Development

6. Testing

7. Building

8. Installing