

3.0 Source Build Guide

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Introduction

This guide details the process for installing the Direct Certificate Discovery Tool (DCDT, or the *Tool*) from a version of the source code.

Requirements

See the [System Requirements Install Guide](#) for instructions on how to prepare your system prior to installation of the *Tool*.

Building the Tool

The following steps are to check out the release tag and build the source code.

Checkout the Sources

There are currently two ways to checkout the sources: using 1) Git from GitHub and 2) Mercurial from Google Code.

The Google Code project site is read-only for the Mercurial repository, but can be used if you need to build the projects.

The GitHub project site will have the latest changes and will be the official site, once the repository on Google Code has been retired.

1) Use the Git CLI to checkout the desired version.

To clone the repository and checkout the tip (newest revision of the default branch), run the following:

```
git clone https://github.com/siteadmin/dcdt ~/dcdt
```

Typically, the latest stable release tag should be used for deployments. To checkout this tag, run the following:

```
cd ~/dcdt
```

```
git checkout dcdt-3.0.4-RELEASE
```

OR

2) Use the Mercurial CLI to checkout the desired version.

To clone the repository and checkout the tip (newest revision of the default branch), run the following:

```
hg clone https://code.google.com/p/direct-certificate-discovery-tool/ ~/dcdt
```

Typically, the latest stable release tag should be used for deployments. To checkout this tag, run the following:


```
cd ~/dcdt
```

```
hg update dcdt-3.0.4-RELEASE
```

Build the Projects

To build all of the Maven projects that comprise the *Tool*, run the following:

```
cd ~/dcdt/  
mvn -DskipChecks=true -DskipTests=true clean install
```

 This will currently only work for the project checked out from Mercurial.

Developer Functionality

The following sections describe advanced functionality typically reserved for developers.

Checkout the Sources for Development

To checkout the trunk for development from GitHub, you should create a GitHub account and fork the DCDT project repository at <https://github.com/siteadmin/dcdt> to your account.

Then, checkout your forked version of the repository, by running the following:

```
git clone https://github.com/<your username>/dcdt ~/dcdt
```

To checkout the trunk for development (project membership required) from Google Code, the tip needs to be checked out by running the following:

```
hg clone https://code.google.com/p/direct-certificate-discovery-tool/ ~/dcdt
```

Upon pushing, you will be prompted to enter your password. This is not your Google account password, but a string that Google Code has generated for you. It can be retrieved from your Google Code profile.