

2.1.2 System and Software Requirements

- [Introduction](#)
- [Hardware Requirements](#)
- [Software Requirements](#)
 - [Install Software Requirements](#)
 - [System](#)
 - [Java Development Kit \(JDK\) & Java Runtime Environment \(JRE\)](#)
 - [Mercurial CLI](#)
 - [OpenSSL CLI](#)
 - [Apache Ant](#)
 - [Apache Maven](#)
 - [Apache Tomcat](#)

Introduction

This guide details the process for installing the system requirements of the Direct Certificate Discovery Tool (DCDT, or the *Tool*).

Hardware Requirements

Hardware Type	Minimum Requirement	Notes
CPU	1 Processing Unit @ 2.0GHz	Only a rough estimate.
Memory (RAM)	3GB	Less memory is required if the pieces of software are run on different machines.

Software Requirements

Software Name	Minimum Version	Notes
Ubuntu (Server)	12.04 LTS (Precise Pangolin) or 13.04 (Raring Ringtail)	
Oracle Java 7 JDK + JRE	1.7.0	Install instructions detailed below.
Mercurial CLI	2.2.2	Install instructions detailed below.
OpenSSL CLI	1.0.0	Install instructions detailed below.
Apache Ant	1.7	Install instructions detailed below.
Apache Maven	3.0	Install instructions detailed below.
Apache Tomcat	7.0	Install instructions detailed below.

Install Software Requirements

System

Installing the software packages detailed below requires several common system-wide utilities. They can be installed by running:

```
sudo apt-get install wget
```

Java Development Kit (JDK) & Java Runtime Environment (JRE)

In order to get the proprietary Oracle Java 7 packages, a custom install script (provided by the [OAB Java GitHub project](#)) must be utilized. To create and install the packages, run the following:

```
wget https://raw.githubusercontent.com/flexiondotorg/oab-java6/master/oab-java.sh -O ~/oab-java.sh
chmod +x ~/oab-java.sh
sudo ~/oab-java.sh -7
sudo apt-get install oracle-java7-jdk
sudo update-java-alternatives -s java-7-oracle
```

Note: when running the final command above, you might see some errors like the following:

```
update-alternatives: error: no alternatives for mozilla-javaplugin.so.
```

These errors can be safely ignored.

Mercurial CLI

Run the following:

```
sudo apt-get install mercurial
```

OpenSSL CLI

Run the following:

```
sudo apt-get install openssl
```

Apache Ant

Run the following:

```
sudo apt-get install ant
```

Apache Maven

Run the following:

```
sudo apt-get install maven
```

Apache Tomcat

Run the following:

```
sudo apt-get install tomcat7 tomcat7-admin
```