System and Software Requirements

Introduction

This guide details the process for installing the system requirements of the validator.

Hardware Requirements

Hardware Type	Minimum Requirement	Notes
CPU		
Memory (RAM)		

Software Requirements

Software Name	Minimum Version	Notes
Ubuntu (Server)	14.04 LTS (Trusty Tahr)	
Oracle Java 8 JDK + JRE	1.8.0	Install instructions detailed below.
Git CLI	1.9.1	Install instructions detailed below.
Apache Maven	3.1	Install instructions detailed below.
Apache Tomcat	9.0	

Install Software Requirements

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

In order to get the proprietary Oracle Java 8 packages, run the following:

```
sudo apt-get install python-software-properties (This may be necessary to use the add-apt-repository command)
sudo add-apt-repository ppa:webupd8team/java
sudo apt-get update
sudo apt-get install oracle-java8-installer
sudo update-java-alternatives -s java-8-oracle
```

To set the JAVA_HOME environment variable for the installed JDK:

```
export JAVA_HOME=/usr/lib/jvm/java-8-oracle
echo "export JAVA_HOME=$JAVA_HOME" | sudo tee -a /etc/environment
```

Git CLI

Run the following:

```
sudo apt-get install git
```

Apache Maven

ⓘ On 14.04 LTS, the default version of Maven that is installed is 3.0.5 if the following command

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

is run.

Even though the Cancer Report Validator project can run with Maven version 3.0.5, the codevalidator project it depends on requires the use of Maven version 3.1 or greater. Thus, on 14.04 LTS, a Maven version that is 3.1 or greater must be manually configured.

Instructions for how to install Maven manually can be found here and archived versions of Maven 3 can be downloaded here.