Downloading and Installing

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Installing Restcomm USSD GATEWAY is easy and quick with the binary download. You can either download the binary release or download the source code and set up from source.

Binary Download and Installation

The binary release is available for download at TeleStax Customer Support Portal &THIS.RELEASE_BINARY_URL;link:

Procedure: Binary Download and Installation

1. Download the zip file `<filename>` to any folder of your choice.

2. Extract the contents of the zip file.

   ```
   Downloads]$ unzip <filename>
   ```

3. Verify the newly created directory and ensure the contents are as explained below.

Directory Structure

When you download the binary release, you will notice that the top level directory is named `mobicents-ussdgateway-<version>` and immediately below this are five sub-directories as explained below:

- docs: Contains all relevant documentation in respective subfolders for JSLEE, jSS7, Management-HQ and USSD.

- jboss-5.1.0.GA: The core server with two profiles "default" and "simulator". The "default" profile is a clean profile where you will have to start from scratch and configure the entire SS7 Stack and USSD Gateway. The "simulator" profile is a pre-configured profile to work with jss7-simulator. Refer to the Admin Guide for instructions on how to start the server in either of the profiles.

- resources: Contains SLEE MAP, JDBC, http-client, http-servlet and SIP RA jars.

- tools: Contains SLEE tools and jss7-simulator.

```
|- mobicents-ussdgateway-<version>
        |- docs
                |+ jss7
                |+ slee
                |+ ussd
                |+ management-hq
        |- jboss-5.1.0.GA
                |+ bin    //contains start up and shutdown scripts for the Server and
the start up script for Shell.
                |+ client
                |+ common
                |+ docs
                |+ lib
                |- server
                    |+ default  //clean profile to set up from scratch
                    |+ simulator    //pre-configured profile to work with the jss7-
simulator
        |- resources
                |+ http-client
                |+ http-servlet
                |+ jdbc
                |+ map
        |- tools
                |+ eclipslee
                |+ jopr-plugin
                |+ remote-slee-connection
                |+ snmp
                |+ Mobicents-jss7-simulator
                |+ Mobicents-ussd-simulator
                |+ twiddle
```

Setup from Source

Restcomm USSD GATEWAY is an open source project and you have the freedom to build from source. Building from source means you can stay on top with the latest features. Whilst aspects of Restcomm USSD GATEWAY are quite complicated, you may find ways to become contributors.

Restcomm USSD GATEWAY works with JDK1.7 or above. In addition you must have the following tools installed.

- `Git Client` : Instructions for using GIT, including install, can be found at http://git-scm.com/book

- `Maven 3.2.X` : Instructions for using Maven, including install, can be found at http://maven.apache.org/

- `Ant 1.7.0` : Instructions for using Ant, including install, can be found at http://ant.apache.org

Release Source Code Building

1. Downloading the source code

   Use GIT to checkout a specific release source, the base URL is &THIS.TRUNK_SOURCE_CODE_URL;, then add the specific release version.

   ```
   [usr]$ git clone &THIS.TRUNK_SOURCE_CODE_URL;
   [usr]$ cd ussdgateway
   [usr]$ git checkout <version>
   ```

2. Building the source code

   Now that we have the source the next step is to build and install the source. Restcomm USSD GATEWAY uses Maven 2 to build the system. You must ensure that JAVA_HOME environment variable is set properly prior to building the source.

   ```
   [usr]$ mvn clean install
   ```

Development Trunk Source Building

Similar process as for Release Source Code Building, the only change is don't switch to specific tag.