SuiteCRM Analytics

SuiteCRM Analytics Installation

Version: **1.3**

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Prerequisites

SuiteCRM Web Analytics requires the following pre-requisites installed on your server

- Linux environment
- OpenJDK 8 JRE (Java)
- wget
- unzip
- zip

Note: SuiteCRM Web Analytics requires the SuiteCRM Data Integration solution pre-installed and executed

Downloading SuiteCRM Web Analytics

There are two ways of downloading the SuiteCRM Web Analytics:

- Download from SuiteCRM website: a pre-built package containing installation scripts, web server and all the third party open source libraries required.
- Clone the SuiteCRM Web Analytics repo: a script to build the SuiteCRM web analytics package (generating the same available package via the SuiteCRM website).

Manually Build the Package (Cloning from Repo)

Clone repo via terminal:

```
git clone https://github.com/ivylabs/suitecrm-analytics
```

Navigate into the newly cloned repository's directory and run:

```
./build.sh
```

This should output on your terminal all the files that the solution downloads and zips up into a package. The end of the script will ask if you wish to delete the installation files.

```
Would you like to remove the installation files? This will save disk space. [y/N] y
-----------------------------------------------------------
 Build is complete!
-----------------------------------------------------------
```

This will generate a package named **"suitecrm-analytics-server.zip"** within the root of your directory.

This is the same package available via the SuiteCRM website.

Configuring SuiteCRM Analytics

After downloading or generating the **"suitecrm-analytics-server.zip"** file, Upload and Extract this file on a hosted web server.

Navigate into the newly extracted **"suitecrm-analytics-server"** folder and edit the **"install.properties"** file:

```
JVM_SIZE=1024
SUITECRM_HOST=127.0.0.1
SUITECRM_PORT=3306
SUITECRM_DATABASE=suitecrm_testdata
SUITECRM_USERNAME=suitecrmrootuser
SUITECRM_PASSWORD=suitecrmrootuserpassword
SUITECRM_ANALYTICS_HOST=127.0.0.1
SUITECRM_ANALYTICS_PORT=3306
SUITECRM_ANALYTICS_DATABASE=suitecrm_dwh
SUITECRM_ANALYTICS_USERNAME=suitecrmrootuser
SUITECRM_ANALYTICS_PASSWORD=suitecrmrootuserpassword
# DO NOT CHANGE FROM PORT 8080! There is a bug with uploading the solution when the port is
changed
SUITECRM_ANALYTICS_WEBAPP_PORT=8080
```

These config variables define the connection to your SuiteCRM database to extract information from:

```
# SuiteCRM Source Database Connection Details
SUITECRM_HOST=127.0.0.1
SUITECRM_PORT=3306
SUITECRM_DATABASE=suitecrm_testdata
SUITECRM_USERNAME=suitecrmrootuser
SUITECRM_PASSWORD=suitecrmrootuserpassword
```

Update the above values in your **"install.properties"** file to reflect the following:

- "SUITECRM_DATABASE" = The Database name of your SuiteCRM Instance
- "SUITECRM_USERNAME" = The username used to connect to the SuiteCRM Database
- "SUITECRM_PASSWORD" = The password used to connect to the SuiteCRM Database

These config variables define the connection to your SuiteCRM data warehouse (created by the SuiteCRM Data Integration solution) to retrieve your transformed SuiteCRM data:

```
# SuiteCRM Analytis Target Database Connection
SUITECRM_ANALYTICS_HOST=127.0.0.1
SUITECRM_ANALYTICS_PORT=3306
SUITECRM_ANALYTICS_DATABASE=suitecrm_dwh
SUITECRM_ANALYTICS_USERNAME=suitecrmrootuser
SUITECRM_ANALYTICS_PASSWORD=suitecrmrootuserpassword
```

Update the above values in your **"install.properties"** file to reflect the following:

- "SUITECRM_ANALYTICS_DATABASE" = The Database name of the SuiteCRM Data Warehouse created during the SuiteCRM Data Integration process.
- "SUITECRM_ANALYTICS_USERNAME" = The username used to connect to the SuiteCRM Data Warehouse created during the SuiteCRM Data Integration process
- "SUITECRM_"ANALYTICS_PASSWORD" = The password used to connect to the SuiteCRM Data Warehouse created during the SuiteCRM Data Integration process

Installing SuiteCRM Web Analytics

Once the configuration has been defined, now run the setup script in the root of your suitecrm-analytics-server directory, using the command:

```
./setup-suitecrm-analytics.sh
```

This will check that the web server can successfully run and the database connections are successful.

Then you can run the SuiteCRM Web Analytics web server to access the application:

```
./start-suitecrm-analytics.sh
```

This should output on your terminal that the tomcat server has started.

Note: The Start script may take some time to execute, you can follow the start up process with the following:

To follow the web server logs you can run this command:

```
tail -f tomcat/logs/catalina.out
```

To confirm the server has successfully started look for the following line in the above log file with "**N**" as a dynamic number depending on how quickly the server initialised:

org.apache.catalina.startup.Catalina.start Server startup in N ms

If you wish to stop the Tomcat server, and stop the Web Analytics service, you can run the following command in the root of your suitecrm-analytics-server directory:

```
./stop-suitecrm-analytics.sh
```

Note: The Stop script may take some time to execute.

It is recommended to wait 10-15 seconds after running the script before running either the Setup or Start scripts to prevent any conflicts.

This should output on your terminal that the tomcat server has started.

Once the server has initialised you can log into the SuiteCRM Analytics Web Application by navigating to the hostname or IP address of the server in your web browser.

By default the web application is listening on port "8080" so for example, your server may be available on:

http://localhost:8080/suitecrmanalytics

Check out the "SuiteCRM Analytics User Guide" for more information on the application.