

# Saiku BI server

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# Automatic installation

The TS commandline tools can automate the installation

1. Run **tsinstallsaiku <instance name>**
2. Enable bcrypt passwords for users

Note: The users wont be able to login to Saiku before their password have been updated to bcrypt

# Manual installation

## Preparations

1. Download Saiku binaries
  - <http://meteorite.bi/saiku/download>
2. Install the Saku client ("Saiku UI WAR 2.5")
  - The client is a single html file with a lot of built in JavaScript functionality
    - Option 1: Unpack the files to webapps\ROOT
    - Option 2: Create new folder in webapps and unpack the files
    - Option 3: Unpack and merge into the TempusServa folder
3. Install the Saku backend ("Saiku Backend WAR 2.5")
  - Rename the war file to **saiku.war** and place in webapps
4. Remove default access [IMPORTANT]
  - Change default username/passwords in <webapps>\saiku\WEB-INF\users.properties
  - Restart the server
  - Verify that the default credentials are NOT working
  - Verify that new credentials ARE working

## Using the Tempus Serva OLAP cubes

In order to expose the cubes Saiku needs a connection string to the database. The connection includes a reference to the OLAP schema used in Tempus Serva.

### Scenario 1: Installed at SAME server

1. Create a new file **tempusserva** in <Saiku backend server>\WEB-INF\classes\tempusserva\saiku-datasources\ with the following contents

```
type=OLAP
name=tempusserva
driver=mondrian.olap4j.MondrianOlap4jDriver
location=jdbc:mondrian:jdbc=jdbc:mysql://localhost/tslive;Catalog=<Absolute path to tsCubeDefinitions.xml>;jdk
username=root
password=TempusServa
```

Note: For safety reasons you should consider letting Saiku having its own database user. In that way you can later restrict access to certain data, and replace table access with views

### Scenario 1: Installed at OTHER server

1. Create a new remote user in the MySQL database
2. Create a new folder named **tempusserva** in: <Saiku backend server>\WEB-INF\classes
3. Copy the file <Tempus Serva application>\WEB-INF\queries\tsCubeDefinitions.xml to <Saiku backend server>\WEB-INF\classes\tempusserva\
4. Create a new file **tempusserva** in <Saiku backend server>\WEB-INF\classes\tempusserva\saiku-datasources\ with the following contents

```
type=OLAP
name=tempusserva
driver=mondrian.olap4j.MondrianOlap4jDriver
location=jdbc:mondrian:Jdbc=jdbc:mysql://<dbHostname>/tslive;Catalog=res:tempusserva\tsCubeDefinitions.xml
username=<newRemoteUsername>
password=<newRemotePassword>
```

Note: A service for remote HTTP retrieval of the schema will be implemented late 2014, so the OLAP schema can be retrieved on the fly from the remote Saiku server

# Usage

Setting up a parallel BI server will provide users with a drag-and-drop OLAP tool.

## Positives

- Beautiful and intuitive UI
- Can reuse existing OLAP scheme from the builtin OLAP navigator

## Negatives

- User authentication must be handled separately
- Currently no support for dimension properties