

# Installer Properties

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## Overview

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Installer properties are the key to customising the Yellowfin installer. Different properties are used to make different changes to the installer, including:

1. Providing initial values for user options
2. Changing the installer's look-and-feel
3. Changing the installer's behaviour
4. Changing the configuration of the Yellowfin installation

Values for installer properties can be provided in different ways.

## Sections

The Installer Properties are grouped into the following pages:

1. [User Options](#),
2. [Installer Look-And-Feel](#),
3. [Installer Behaviour](#),
4. [Yellowfin Configuration](#), and
5. [Appendix - All Installer Properties List](#)

## Providing Values for Installer Properties

Values for installer properties can be set in different ways. In order of precedence, these are:

1. Default options provided by the installer where appropriate
2. Custom properties file bundled with the installer
3. Silent installer properties file (silent installation only)
4. Command-line arguments provided to the installer
5. Options entered by the user during the installation (graphical and command-line installation)

For example, a property value specified on the command line will override a value set for the same property in the custom properties file.

The silent installer does not display a user interface. Therefore all user options must be provided through the properties files or command-line arguments.

## Custom Properties File

The custom properties file is the main way to customise the installer. You can add properties to this file that modify the way the installer looks and behaves. This file is a java properties file named `custom.properties` that is added to the root of the installer archive (see [Adding Files to the Installer](#)).

This file is used to provide standard default values for installation options, override text displayed during installation, specify the location of images used to override the default images used by the installer, modify the installer behaviour and provide initial configuration values for the Yellowfin installation. Options in the custom properties file will be overridden if a value for the same property is provided as a command-line argument to the installer, and user options can be overridden during the installation process when using the graphical or command-line installer.

The custom properties file is a series of key-value pairs of the form "key=value" on separate lines. Blank lines are ignored, and a line starting with a # is treated as a comment.

## Command-line Arguments

Installer properties may be provided as command-line arguments when running the installer. The general usage is:

```
java -jar yellowfin-yyyyymmdd-full.jar [-cmd|-gui] [property ...]
java -jar yellowfin-yyyyymmdd-full.jar -silent [silentpropertiesfile [property ...]]
```

Properties are specified using:  
key=value or -key=value

For example:

```
java -jar yellowfin-yyyyymmdd-full.jar option.serverport=80 option.winservice=true
```

## Silent Installer Properties File

An additional properties file may be specified when using the silent installer. For historical reasons, the properties in this file have different names to the standard installer properties, but have the same functionality.

It is recommended to use the custom properties file instead of the silent installer properties file where possible. The properties available to be set through the silent installer properties file are very limited in comparison to the custom properties file.

The silent installer properties file must exist on the file system of the computer being installed onto. The file name must be the first argument after the -silent switch:

```
java -jar yellowfin-yyyyymmdd-full.jar -silent install.properties
```

When passing command-line arguments to the silent installer, you must include a silent installer properties file as the first argument before any additional options, even if it is just an empty file. The following will not work:

```
java -jar yellowfin-yyyyymmdd-full.jar -silent option.serverport=8090
```

## Available Properties

Property keys in the silent installer properties file are not case sensitive.

Property Key	Value	Corresponding Key in custom.properties File
JavaHome	The java installation path to use when running Yellowfin.	option.javahome
InstallPath	The path to install Yellowfin into	option.installpath
InstallTutorialDatabase	Whether to install the tutorial database and sample content	option.pack.tutorial
LicenceFilePath	The location of the Yellowfin licence file	option.licencefile
ServicePort	The web server port	option.serverport
InstallService	Whether to install a Windows service	option.winservice
AppMemory	The amount of memory in megabytes to assign to Yellowfin at install time (if not set, it defaults to 75% of the server's RAM).	option.appmemory
DatabaseType	The database type for the Yellowfin configuration database	option.db.dbtype
Authentication	The authentication type to use if the database type is SQL Server	option.db.sqlauthtype
LogonDomain	The logon domain to use if the database type is SQL Server, and the authentication type is Windows	option.db.sqldomain
SQLServerNamedInstance	The instance name to use if the database type is SQL Server. To use the default instance, omit this property.	option.db.sqlinstance

ProgressDriver	The location of the JDBC driver if the database type is Progress	option.db.progressdriver
CreateYellowfinDB	Whether to create a new database for the Yellowfin configuration database	option.db.createdb
CreateYellowfinDBUser	Whether to create a new database user	option.db.createuser
DatabaseHostname	The server hostname for the Yellowfin configuration database	option.db.hostname
DatabasePort	The server port for the Yellowfin configuration database	option.db.port
DatabaseName	The database name for the Yellowfin configuration database.  <b>Note:</b> If installing Oracle, use this key to specify the SID, or service name, based on the selected Oracle connection mode.	option.db.dbname
DatabaseDBAUser	The database admin username	option.db.dbusername
DatabaseDBAPassword	The database admin user password	option.db.dbpassword
DatabaseUser	The database username for the Yellowfin configuration database	option.db.username
DatabasePassword	The database user password for the Yellowfin configuration database	option.db.userpassword
ORACLEMODE	The connection method to connect to an Oracle database. Options include <i>SID</i> or <i>service</i> . The value of the selected method must be specified using the DatabaseName key.  <b>Note:</b> This property key must be specified if using the silent installer to install an Oracle database. See Oracle example below.	option.db.oracleconnectionmode
JDBCDriverFiles	Path to JDBC driver files. Specify multiple paths by separating them with commas.  <b>Tip:</b> Use this to supply the jar files of database drivers that are not readily packaged with the installer.	option.db.jdbcdriverfiles
OracleAuth	The method Oracle should use to authenticate its user. The value can be kerberos (using Kerberos Authentication) or user (using username and password).	Not available
KerberosFilePath	The absolute file path to where the Kerberos settings are kept.	Not available

## Examples

Consider the following example:

```
InstallPath=/applications/yellowfin
InstallTutorialDatabase=true
ServicePort=8080
InstallService=false
DatabaseType=MySQL
CreateYellowfinDB=true
CreateYellowfinDBUser=false
DatabaseHostname=localhost
DatabaseName=yellowfin
DatabaseDBAUser=root
DatabaseDBAPassword=secret
DatabaseUser=yf
DatabasePassword=
```

Below is an example of required property keys for installing an Oracle database:

```
DatabaseType=Oracle
DatabasePort=1521
ORACLEMODE=service
DatabaseName=ORCL
```

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