

Configuration Modification Tool

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Overview

The Configuration Modification tool gives you the option to write new entries or update existing ones in the Configuration table of the Yellowfin database. The tool would typically be used on a fresh installation of a Yellowfin instance.

This tool uses the command line to make changes by connecting directly to your Yellowfin repository database, so we recommend shutting down your Yellowfin instance before you use this tool.

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Executing via the command line

The Configuration Modification Tool ships with Yellowfin 9.7 and later. The command line requires details to connect to the database plus the configuration update details, described in the following table.

Parameter	Description	Example	Required?
jdbcdriver: <driverclass>	The canonical JDBC driver class for the repository database.	jdbcdriver:org.postgresql.Driver	Optional
jdbcurl: <driverurl>	The connection string to get to the repository database.	jdbcurl:jdbc:postgresql://localhost:5432/yellowfin9703	Required
jdbcuser: <user>	The username that has access to the repository database.	jdbcuser:sysadminyfn	Required
jdbcpassword: <password>	The plain-text password for the username with access to the repository database.	jdbcpassword:highlysecure	Required
CONFIG_<code>: <config_value>	The configuration option to be updated. You can add as many as you like. If you only wish to update a BOF item, you don't need to include a CONFIG parameter at all.	CONFIG_EXTERNALURL:http://10.10.10.39:8080	Optional
BOF_<code>: <bof_value>	This is used to set/override an item in the BOFinder configuration area of your web.xml file, which stores configuration options related to any plugins, such as database connectors. Note that it will not change your web.xml file: any updates you make with this tool will be saved to your repository database which takes precedence to web.xml. You can add as many as you like. If you only wish to update a CONFIG item, you can exclude the BOF parameter from your console command.	BOF_com.hof.interfaces.EvenCreation:com.hof.interfaces.DummyEventCreation	Optional

The steps below have been written for a Linux command line, using the bash shell. If you're using a different command line or your settings syntax is different, you may need to adjust your inputs (for example, if your directory path contains spaces, you might need to use single quote marks around it).

Once complete, your updated CONFIG and BOF items will be visible in your database. Follow the steps below.

1. From your console, change directories to the Yellowfin instance to be configured
2. From the Yellowfin top-level directory, navigate to **/appserver/webapps/ROOT/**
Run the command (note that depending on your shell, you may need to remove the single quote marks):

```
java -cp 'WEB-INF/lib/*:WEB-INF/classes' com.hof.standalone.ModifyConfiguration
```

3. The console will display the following help text to remind you of the required parameters

Yellowfin Configuration Modification Tool

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Updates configuration in Yellowfin via a command-line script.

Yellowfin needs to be restarted for updated configuration items to take effect.

Required Parameters:

JdbcDriver:<driverclass> JDBC Driver class for Repository Database (Optional)
JdbcUrl:<driverurl> JDBC Database Connection String for Repository Database
JdbcUser:<user> User for connecting to Repository Database
JdbcPassword:<password> Password (plain-text) for authenticating User to Repository Database
CONFIG_<Code>:<config_value> Configuration Item to Update
BOF_<Code>:<bof_value> Internal System Plugin Item to Update

4. Use the help text (or the table above on this wiki page) to write your configuration change as command line text
The text below provides an example, based on the samples we provided in the table above:

```
java -cp 'WEB-INF/lib/*:WEB-INF/classes' com.hof.standalone.ModifyConfiguration jdbcuser:sysadminyfn  
jdbcpassword:highlysecure jdbcurl:jdbc:postgresql://localhost:5432/yellowfin9703 CONFIG_EXTERNALURL:  
http://10.10.10.39:8080 BOF_com.hof.interfaces.EventCreation:com.hof.interfaces.DummyEventCreation
```

In the example above, the tool should update the Yellowfin external URL to 10.10.10/39:8080 and add a new event called DummyEventCreation to your database.

If all your parameters are valid, the console will output the following information:

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JdbcUser:<user>	User for connecting to Repository Database
JdbcPassword:<password>	Password (plain-text) for authenticating User to Repository Database
CONFIG_<Code>:<config_value>	Configuration Item to Update
BOF_<Code>:<bof_value>	Internal System Plugin Item to Update

Parameters:

JdbcUser	sysadminyfn
JdbcPassword	*****
JdbcUrl	jdbc:postgresql://localhost:5432/yellowfin9703

Found CONFIG EXTERNALURL http://10.10.10.39:8080

Found BOF COM.HOF.INTERFACES.EVENTCREATION com.hof.interfaces.DummyEventCreation

Selecting Existing Values

```
SELECT IpOrg, ConfigTypeCode, ConfigCode, ConfigData FROM Configuration WHERE IpOrg = 1 AND (
ConfigTypeCode = 'SYSTEM' AND ( ConfigCode = 'EXTERNALURL' ) ) OR ( ConfigTypeCode = 'BOFINDER' AND (
ConfigCode = 'COM.HOF.INTERFACES.EVENTCREATION' ) )
```

Found SYSTEM/EXTERNALURL: http://10.10.10.39:8081

Found BOFINDER/COM.HOF.INTERFACES.EVENTCREATION: com.hof.interfaces.DummyEventCreation

Deleting existing 2 items..

Deleting SYSTEM/EXTERNALURL

Deleting BOFINDER/COM.HOF.INTERFACES.EVENTCREATION

Inserting 2 configuration items..

Inserting SYSTEM/EXTERNALURL: http://10.10.10.39:8080

Inserting BOFINDER/COM.HOF.INTERFACES.EVENTCREATION: com.hof.interfaces.DummyEventCreation

Both the CONFIG and BOF item updates will now be visible in the database.

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