

README BwlTaggedArtifacts

Martin Westphal, westphal@de.ibm.com

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This application searches for artifacts with the given tag in a Blueworks Live account. It prints the information as csv (comma-separated values) so that it can be processed afterwards (e.g. with Excel or shell commands).

Content

`BwlTaggedArtifacts.java`, `BwlTaggedArtifacts.class`

Java source code and the compiled version of the program

`commons-io-2.4.jar`, `wink-json4j-1.3.0.jar`

required libraries, sources:

<https://commons.apache.org/proper/commons-io/>

<http://mvnrepository.com/artifact/org.apache.wink/wink-json4j>

`compile.bat`, `run.bat`

Windows batch files to compile and run the program. Works as well as a shell command on UNIX/Linux after replacing ";" with ":".

Compile

This step is optional. With an installed Java SDK and the correct path settings, you can simply call the batch file "compile.bat" or copy the included command, and run it in a command window.

```
javac -cp .;commons-io-2.4.jar;wink-json4j-1.3.0.jar BwlTaggedArtifacts.java
```

This command creates the compiled version: `BwlTaggedArtifacts.class`

Run

With an installed Java runtime and the correct path settings, you can simply call the batch file "run.bat" or copy the included command and run it in a command window. A simple call without any additional command line arguments results in an error because of missing arguments, but also gives a help message with all available options, e.g.

```
java -cp .;commons-io-2.4.jar;wink-json4j-1.3.0.jar BwlTaggedArtifacts
```

```
ERROR: missing command line arguments, 4 arguments required
Usage: BwlFileDownloader <user> <password> <account> <tag> [optional arguments]
Optional arguments:
  -h                This help message
  -d <delimiter>    The delimiter for the csv outputs, default=,
  -r <replacement> The replacement for the delimiter in a name, default=
```

However, before the batch file can be used, the required arguments such as name, password, Blueworks live account name, and tag must be adapted by using a text editor of your choice. The command in "run.bat" will then print one line per artifact that is tagged with the given name.

The output can be controlled with the flag "-d" that allows to set delimiters other than coma and the flag "-r" that defines the replace character for any delimiters within the artifact name. Here is a sample call:

```
java -cp .;commons-io-2.4.jar;wink-json4j-1.3.0.jar BwlTaggedArtifacts  
westphal@de.ibm.com XXX IBM70 demo
```

```
space,Prozessbearbeitung,400006dea8b3989  
space,Mediterran Autoteile,3ea6e050b  
space,2.3.6 Garantiemanagement,30000d5ea8b30c7  
process,Garantieabwicklung,c83e8fdd25  
process,Garantieabwicklung mit Regelservice,100003bea79d1aa  
decision,Gutachtenbedarf ermitteln,8b3fb24eba
```

As you can see in the above sample, the output consists of

type,name,id

In a Windows or Unix/Linux command shell you can redirect the output to a file by adding

> output.csv

to the command.