CISCO CloupiaScript Interpreter Instructions

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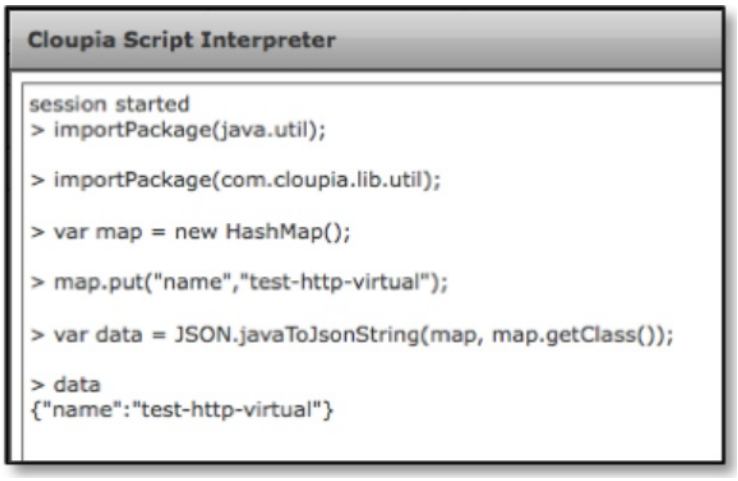

CloupiaScript Interpreter

About the CloupiaScript Interpreter

The CloupiaScript interpreter is a JavaScript interpreter populated with built-in libraries and APIs. You can use the CloupiaScript interpreter to test CloupiaScript code without having to create and run a workflow task.

Built-in Functions of the CloupiaScript Interpreter

- PrintObj()—Takes an object as an argument and prints out all the properties and methods in the object. The printed result provides the names and values for variables in the object and the names of all the object's functions. You can then call toString() on any of the method names to examine the method signature.
- Upload()—Takes a filename as an argument and uploads the file's contents to the CloupiaScript interpreter.

Starting the CloupiaScript Interpreter

To open the CloupiaScript interpreter, do the following:

- Step 1 Choose Orchestration.
- Step 2 Click Custom Workflow Tasks.
- Step 3 Click Launch Interpreter.
  The Cloupia Script Interpreter screen appears.
- Step 4 Enter a line of JavaScript code in the text input field at the bottom of the Cloupia Script Interpreter field.
- Step 5 Press Enter.
  The code is executed and the result is displayed. If there is a syntax error in the code, the error is displayed.

Starting the CloupiaScript Interpreter with a Context

You can evaluate JavaScript in the context of a particular a custom task. To do so, you select a custom task, launch the CloupiaScript Interpreter, and supply the context variables that are defined for executing that custom task.
When you launch the interpreter, it prompts you for values of the custom task input fields and populates the input object of the task. All the variables that are available when you actually execute the custom task are made available.
To open the CloupiaScript interpreter with a context available, do the following:

- Step 1 Choose Orchestration.
- Step 2 Click Custom Workflow Tasks.
- Step 3 Click the row with the custom task for which you need to test the JavaScript.
- Step 4 Click Launch Interpreter with Context.
  The Launch Interpreter screen appears with input fields to collect input values for the custom task.
  The input fields are those defined for the custom task you have selected.
- Step 5 Enter input values in the screen.
- Step 6 Click Submit.

- Step 7 Click Submit.

  The Cloupia Script Interpreter screen appears.
- Step 8 Enter a line of JavaScript code in the text input field at the bottom of the Cloupia Script Interpreter field.
- Step 9 Press Enter.

  The code is executed and the result is displayed. If there is any syntax error in the code, the error is displayed.

Example: Using the CloupiaScript Interpreter

The printObj( ) function prints all the properties and methods it contains.
Call functiontoString() to find more details about a function.
The following example shows how to examine the ReportContext class and get details about ReportContext.setCloudName().

session started

import Package (com.cloupia.model.cIM);

var ctx = new ReportContext();

printObj(ctx);

properties =

cloudName:null

class:class com.cloupia.model.cIM.ReportContext filterId:null

id:null

targetCuicId:null

type:0

ids:[Ljava.lang.String;@4de27bc5

methods =

setIds

jdoReplaceField

jdoReplaceFields

toString

getCloudName

wait

getClass

jdoReplaceFlags

hashCode

jdoNewInstance

jdoReplaceStateManager

jdoIsDetached

notify

jdoGetVersion

jdoProvideField

jdoCopyFields

jdoGetObjectId

jdoGetPersistenceManager

jdoCopyKeyFieldsToObjectId

jdoGetTransactionalObjectId

getType

getFilterId

setType

jdoIsPersistent

equals

setCloudName

jdoNewObjectIdInstance

jdoIsDeleted getTargetCuicId

setId

setFilterId

jdoProvideFields

jdoMakeDirty

jdoIsNew

requiresCloudName

getIds

notifyAll jdoIsTransactional

getId jdoReplaceDetachedState jdoIsDirty

setTargetCuicId jdoCopyKeyFieldsFromObjectId

var func = ctx.setCloudName;

func

void setCloudName(java.lang.String)

func.toString();

function setCloudName() {/*

void setCloudName(java.lang.String) */}

Documents / Resources

	CISCO CloupiaScript Interpreter [pdf] Instructions CloupiaScript Interpreter, CloupiaScript, Interpreter