

Job Control Story Report: JC3 – Execute Client Side

Revision	Reason	Author	Date
0.01	Initial document	Peter Villiers	04Nov2010
0.02	Added: <ul style="list-style-type: none">- Section for optional parameters including email host and recipient information.	Peter Villiers	04Feb2011
0.03	Added managedServer column and also updated for PM/JECM 2.5	Ann Bagley	15Nov2012

Story Summary:

As a [customer] Installer, I want to execute the client side controller, so that it can perform its function.

Preconditions:

- An instance of SDD 3.5 is available and has the process manager/job control server side installed on it.
- The Installer has installed the client application will run.
- The Installer has access to a SDD userid/password with System Manager privileges that the client will use to access the server.
- The client machine has java 1.6.0_n (where n is any number other than 14) installed on it.
- The Installer knows the path to the java executable file.
- The Installer has decided on a location where the system log, history data and sas log files will be stored.
- If the installer wishes to send mail, then there is a known SMTP server available. The server should not require authentication to send email. There is an email address that the job controller can send email to.

Story Path (Main):

The client side application has been deployed and can now be executed a single time. This will collect data from the SDD system at the point in time that it is taken. Scheduling the job will create a historical record (see additional story).

Basic Execution

1. Open up a command prompt and change directory to where the Job Controller client was installed.
2. Execute the command:

```
path_to_the_java_executable -Dlog4j.configuration=file:conf/log4j.xml  
-Djc_log_dir=path_to_desired_job_controller_log_files_dir -Dsdd.host=sdd_host  
-Dsdd.userid=sdd_userid -Dsdd.password=sdd_password -jar  
sas.drugdev.jobcontroller.client.jar
```

Where:

path_to_the_java_executable is the path to the java executable.

path_to_desired_job_controller_log_files_dir is the location where the data and logging files should be stored.

sdd_host is the sdd instance to connect to.

sdd_userid is the userid to connect with.

sdd_password is the password to connect with.

An example of this on windows might be:

```
C:\apps\jdk1.6\bin\java.exe -Dlog4j.configuration=file:conf/log4j.xml -  
Djc_log_dir=C:\temp\sdd-jobController\client -Dsdd.host=sddbodzentyn.sas.com -  
Dsdd.userid=myuserid -Dsdd.password=mypassword -jar sas.drugdev.jobcontroller.client.jar
```

3. Navigate to the directory specified for the `jc_log_dir` parameter. There should be directories for logs and data.
 - a. The logs directory will hold system level logs from when the application runs.
 - b. The data directory will hold the historical data from the SAS sessions.
4. To confirm the job controller collected data successfully, open up the file in the data directory and confirm it contains at least one record. The data will look like the following:

```
2010-12-03 16:01:37,635 INFO #
host,processId,sddUser,started,elapsedTime,cpuTime,cpuPercent,memSize,memPercent,sasworkPath,sasworkSize,sasworkSizeUnits,managed
Server,action,tags
2010-12-03 16:01:37,636 INFO sddbodzentyn,17822,,Fri Dec 03 00:00:00 GMT
2010,1774:27:1,20:26,0.0,62784,0.6,/sddshared/sas_tmp/SAS_work10550000459E_sddbodzentyn,506,KB,sddgrandmother,,
```

5. To check the length of time it took the job controller to run, open up the file in the logs directory and confirm that it contains a records like the following:

```
2010-12-03 16:25:53,926 INFO [JobController] =====
2010-12-03 16:25:53,926 INFO [JobController] --> Starting Job Controller processing at: 2010-12-03_16:25:53
2010-12-03 16:25:55,112 INFO [JobController] <-- Completed processing for process started at: 2010-12-03_16:25:53
```

Optional Execution Parameters

The following parameters may also be used at the end of the command line:

- `jc_tag_defs` is the location of the tag definition file, default is `conf/sddRules.xml`
- `jc_action_defs` is the location of the action definitions file, default is `conf/sddActions.xml`
- `jc_consequence_defs` is the location of the consequence definition file, default is `conf/sddConsequenceDefs.xml`
- `https.proxyHost` is the internet proxy host to use
- `https.proxyPort` is the internet proxy port to use
- `jc_smtp_host` is the smtp host to send email through
- `jc_digest_to` is the email address to send the digest email of actions to

Note that both the `jc_smtp_host` and `jc_digest_to` must be supplied in order to send an email. If either are missing, no email will be sent.

Considerations / Assumptions:

None.

Test Automation:

None.

Known Limitations:

- None