1 PURPOSE

This document details the execution and technical aspects server manager utility.

2   TECHNICAL SPECIFICATION

- **How to Run SM utility :**

   Steps :

   1. Get required files for SM utility from SVN location :
      http://192.168.0.181:3690/svn/crestelmediation/projects/SM_REVAMP/Server
      MgmtJMX/startJMXScript
   2. Put ServerMgmt.jar file in bin folder of "CRESTEL_P_ENGINE_HOME". Full path :
      $CRESTEL_P_ENGINE_HOME/module/mediation/bin
   3. Execute below command to start Uitiliy :
      - sh startServerMgmt.sh ${port}, where port is the port value where u want
                                        to run the utility, if not provided it runs on
                                        default port

- **Log information :**
   - Utility logs will be created in logs folder of "Crestel P Engine". File path :
     $CRESTEL_P_ENGINE_HOME/module/mediation/logs/serverMgmtJMX.log

- **Provided methods detail:**

   1. portAvailable(Integer port)

      - This method checks if provided port is available or not. It can be useful while
      creating server, creating online services, checking server status, deleting
      server/services, etc.

      Success logs : TCP port ${port} is available. UDP port ${port} is
      available.

      Failure logs : TCP port ${port} is not available **OR** UDP port ${port} is
      not available.

   2. createServerInstanceScript(String scriptName,Integer port, Integer
      minMemory, Integer maxMemory)

      - This method creates new start-up script with provided script name and
      replaces jvm parameters like port, maxMemory and minMemory. It is
      useful while creating new server instance.

      Success Log : File is copied successful!

      Failure Log : Error while file copy operation, Reason : ${message}

3. CrestelPEngineHome()

   - This method provides "CRESTEL_P_ENGINE_HOME" environment variable.

4. JavaHome()

   - This method provides "JAVA_HOME" environment variable.

5. runStartScript(String file)

   - This method executes startup script irrespective of Underlying OS (Linux/Window). It is useful while start, restart and add new server instance operations.

   Success Log : Run script response : ${responce}

   Failure Log : Error while running start script, Reason : ${reason}

6. checkScriptExists(String file)

   - This method is useful to check if provided script file exists or not irrespective of Underlying OS (Linux/Window). It is useful for server instance start, restart and add server operations.

   Success Log : Script file exists OR Script file do not exists

7. renamePortFolder(Integer port)

   - This method is useful to create new port folder for backup purpose. It is useful to take configuration backup while deleting server instance.

   Success Log : Folder for port - ${port} renamed successfully.

   Failure Log : Folder for port - ${port} is not renamed successfully.

8. renameStartupFile(Integer port)

   - This method is useful backup startup script file while deleting server instance.

   Success Log : File renamed successfully.

   Failure Log : File rename operation is not successful.

9. confFolderExists(Integer port)

   - This method is useful to check if config folder with given "port" exists while creating or deleting server instance.

   Success Log : Config folder - ${path} exists.

   Failure Log : Config folder - ${path} not exists.