SIP Voicemail HA Deployment Guide

Creating Application control scripts (Windows)

12/12/2025

Creating Application control scripts (Windows)

This script provides an example of switching a VM server from backup to primary mode. The script should be created for the server running SCS. The MLCMD utility that is installed with SCS can be used to switch any application. The following arguments are mandatory for the MLCMD command:

- For SCS release 8.1.0 and lower
  - DBID of the application
  - SCS host IP and SCS T-Lib port
- For SCS release 8.1.1 and higher
  - Application Name
  - Configuration Server IP, Port, Application Name, Username & Password
  - SCS host IP and SCS T-Lib port (Optional)

Creating Application control scripts (Windows)

Start

1. On the server running SCS, create a batch file that is named SC_APPLICATION_SWITCHOVER.BAT, and enter the following commands into the file, depending the SCS release version you are using:
   - For SCS release 8.1.0 and lower:

     [+] Commands for SC_APPLICATION_SWITCHOVER.BAT

```
@echo off
 rem set Application and SCS server details
 rem Application Details
 set dbid=<DBID of the application>
 set application=<Name of the Application>
 rem SCS server details
 set scshost=<IP address of the SCS server>
 set scsport=<Port of the SCS server>
 rem set the path in which log files will be stored
 set Logpath= <Specify the path to log files>
 rem for example Logpath= C:\Solution_HA\Logs
 rem set the mlcmd utility path
 set mlcmdpath= <Specify the mlcmd path >
 rem for example mlcmdpath = C:\Program Files (x86)\GCTI\SCServer\
Solution_Control_Server
 echo ************* %application% Switchover Start **************
>> %Logpath%\Switchover.log
 echo %date% >> %Logpath%\Switchover.log
 echo %time% >> %Logpath%\Switchover.log
 rem checking the status of application
```

```
 "%mlcmdpath%\mlcmd.exe" -getappstatus-runmode %dbid% -scshost %scshost%
-scsport %scsport% 1> %Logpath%\Before_Switch.txt 2>&1
 FINDSTR "BACKUP" %Logpath%\Before_Switch.txt > nul
 if errorlevel 1 goto end
 rem switching application to primary mode
 "%mlcmdpath%\mlcmd.exe" -switchapp %dbid% -scshost %scshost% -scsport %scsport%
 timeout 2
 rem checking the status of application after switchover
 "%mlcmdpath%\mlcmd.exe" -getappstatus-runmode %dbid% -scshost %scshost%
-scsport %scsport% 1> %Logpath%\After_Switch.txt 2>&1
 FINDSTR "PRIMARY" %Logpath%\After_Switch.txt > nul
 if not errorlevel 1 goto done
 if errorlevel 1 echo %application% switchover failed and switchover ends
>> %Logpath%\Switchover.log
 exit
 :end
 echo %application% is not in Backup mode and switchover ends
>> %Logpath%\Switchover.log
 exit
 :done
 echo %application% is switched to PRIMARY mode successfully
>> %Logpath%\Switchover.log
 echo ************** %application% Switchover End **************
>> %Logpath%\Switchover.log
 echo. >> %Logpath%\Switchover.log
```

- For SCS release 8.1.1 and higher:

  [+] Commands for SC_APPLICATION_SWITCHOVER.BAT

```
@echo off
 rem set application SCS and Configuration server details
 rem Application Details
 set application=<Name of the Application>
 rem Configuration server details
 set host=<IP address of the config server>
 set port=<Port of the config server>
 set appname=<App name the config server>
 set user=<Config server user name>
 set password=<Config server password>
 rem SCS server details
 set scshost=<IP address of the SCS server>
 set scsport=<Port of the SCS server>
 rem set the path in which log files will be stored
 set Logpath= <Specify the path to log files>
 rem for example Logpath=C:\Solution_HA\Logs
 rem set the mlcmd utility path
 set mlcmdpath= <Specify the mlcmd path>
 rem for example mlcmdpath = C:\Program Files (x86)\GCTI\SCServer\
Solution_Control_Server
 echo ************** %application% Switchover Start **************
>> %Logpath%\Switchover.log
 echo %date% >> %Logpath%\Switchover.log
 echo %time% >> %Logpath%\Switchover.log
 rem checking the status of application
 "%mlcmdpath%\mlcmd.exe" -getappstatus-runmode %application% -cshost %host%
-csport %port% -csappname %appname% -csuser %user% -cspassword %password%
-scshost %scshost% -scsport %scsport% 1> %Logpath%\Before_Switch.txt 2>&1
 FINDSTR "BACKUP" %Logpath%\Before_Switch.txt > nul
 if errorlevel 1 goto end
 rem switching application to primary mode
 "%mlcmdpath%\mlcmd.exe" -switchapp %application% -cshost %host% -csport %port%
```

```
-csappname %appname% -csuser %user% -cspassword %password% -scshost  %scshost%
-scsport %scsport%
 timeout 2
 rem checking the status of application after switchover
 "%mlcmdpath%\mlcmd.exe" -getappstatus-runmode %application% -cshost %host%
-csport %port% -csappname %appname% -csuser %user% -cspassword %password%
-scshost %scshost% -scsport %scsport% 1> %Logpath%\After_Switch.txt 2>&1
 FINDSTR "PRIMARY" %Logpath%\After_Switch.txt > nul
 if not errorlevel 1 goto done
 if errorlevel 1 echo %application% switchover failed and switchover
ends>> %Logpath%\Switchover.log
 exit
 :end
 echo %application% is not in Backup mode and switchover ends
>> %Logpath%\Switchover.log
 exit
 :done
 echo %application% is switched to PRIMARY mode successfully
>> %Logpath%\Switchover.log
 echo ************** %application% Switchover End **************
>> %Logpath%\Switchover.log
 echo. >> %Logpath%\Switchover.log
```

2. In the batch file, replace the variables indicated by angle brackets with appropriate values.
3. Repeat these steps to create control scripts for each VM SIP Server and VM Server.

End

Next Steps

Genesys Applications

OR

Back to Task Table