

SwitchCenter software is a JAVA based desktop application which allows the control and monitoring of R1000, R5000, R6000, and D1000 switching system. With SwitchCenter you can:

- control switches at the card, rack, and system levels
- monitor system health status; power supplies, key switch position
- display event traps from one or more systems
- monitor IP addresses and switch in response to communication loss
- set scheduled one time or repeating switching actions

Installation:

SwitchCenter software requires a computer running the Java Standard Edition (Java SE). At the time of this SwitchCenter release, the current version of Java SE is Java SE 6 Update 10. SwitchCenter should operate with later versions of Java SE, and may operate with some earlier versions as well.

To install Java SE go to the Sun website <http://java.sun.com/javase/index.jsp> and follow the "Java SE" link under Downloads. On the download page you need to download the Java Runtime Environment (JRE) for the appropriate operating system. Follow the Sun provided Installation Instructions to complete Java SE installation on your system.

After successfully downloading and installing the Java SE package, you will need to download and setup the SwitchCenter application.

The SwitchCenter Application is delivered as a single JAVA ARchive (JAR) file which you can download from website www.secureswitch.com (click on the "Documentation" radio button, and then click on the "SwitchCenter Graphical User Interface Download" link located under the "SwitchMaster" section of products). Use the Save As feature of your browser to download the file. Verify that the name and extension of the file is `mcsc1_5.jar`, (Note: If the file has a .zip extension, you must change it to .jar prior to saving.) Browse to "C:\Program Files\Java\jre6\bin\" and click Save. This is to save the file in the same folder as the "javaw.exe" file.

Once the .jar file is downloaded, you can then start SwitchCenter in the following ways:

1. You can create a DOS batch file containing the command line
`"C:\Program Files\Java\jre6\bin\javaw.exe" -cp mcsc1_5.jar switchcenter.Application` (Note: The double quotes are required and switchcenter.Application is case sensitive.) The batch file must be located in the same folder as the "javaw.exe" and "mcsc1_5.jar" files.

You will need to modify the batch file command line if the location of your Java runtime files are not at the default location, or if you are using a later version of JRE, or if you have downloaded a later version of the SwitchCenter application (the current version is `mcsc1_5.jar` at the time this document was generated). If necessary, change the path "C:\Program Files\Java\jre6\bin" to the location that your Java runtime files are located, and change the SwitchCenter .jar filename. Once you have created the batch file, you can open a DOS command prompt, navigate to the directory where the batch file and the SwitchCenter .jar file are located, and then type the name of the batch file at the command prompt.

If operating in a Windows environment, you can also run the batch file from the taskbar. Select start -> Run... and enter the path and name of the batch file.

2. You can create a shortcut to run the SwitchCenter application.

Be sure to set the working directory (the "Start in:" location) to the directory of the SwitchCenter .jar file.

```
Start in: "C:\Program Files\Java\jre6\bin"
```

Also be sure to set the "Program:" or "Target:" as follows:

```
Target: "C:\Program Files\Java\jre6\bin\javaw.exe" -cp mcsc1_5.jar  
switchcenter.Application
```

(Note: The double quotes are required and switchcenter.Application is case sensitive.)

You may also want to select the run minimized option to hide the Command window that launches the application.

Again, if necessary change the path "C:\Program Files\Java\jre6\bin" to the location that your Java runtime files are located, and change the SwitchCenter .jar filename.

After the installation of SwitchCenter is complete, you should be able to run SwitchCenter and from the main Switch Control tab access the Site Settings window. There you will enter the IP address or fully qualified domain name of your target R1000, R5000, R6000, or D1000 system, and SNMP read/write community names. Once this is done you'll be able to access status, and control the switches in your system.

Creating and Using a profile with SwitchCenter:

To avoid having to re-enter your site settings information each time you start SwitchCenter, you can create a saved profile. To start SwitchCenter with a saved profile, you must first run SwitchCenter, create a profile, save it, and then add the saved profile filename to the command line that is used to launch SwitchCenter. To do this, start up SwitchCenter. Once SwitchCenter is running configure it with the correct IP address and other settings appropriate for your site. After SwitchCenter is fully configured and working properly for your location, click on the "File" pulldown menu at the top of the SwitchCenter window and then select "Save As". In the Save As window that pops up, specify a filename and the location where you want to save the profile. Now that the profile is saved, you must then append this filename to the end of the command line that launches SwitchCenter. For example, if you saved your profile on the root directory of the c: drive as the filename "R6000profile", then change the command line that is used to launch SwitchCenter to:

```
"C:\Program Files\Java\jre6\bin\javaw.exe" -cp mcsc1_5.jar  
switchcenter.Application c:\R6000profile
```

Once you have started SwitchCenter, you can click on "Help" and then "Contents" for a description of the available features and functions.

Additional notes:

If you use java.exe instead of javaw.exe to run the SwitchCenter software, you will receive multiple exception messages when SwitchCenter first starts up. The messages "rx Exception: java.net.SocketTimeoutException: Receive timed out" are displayed and then the PASSWORD window opens. These exception messages are simply status messages that are being generated while SwitchCenter attempts to establish a connection to the R1000, R5000, R6000, or D1000 switching system it is to monitor/control. Once SwitchCenter has successfully established a connection to the controller card in the R1000, R5000, R6000, or D1000 switching system, these status messages will stop. Running javaw.exe suppresses these exception messages.

Also, if you start SwitchCenter using java.exe and you don't specify a saved profile when starting SwitchCenter, you will get even more of these exception messages when SwitchCenter starts up. This is because SwitchCenter repeatedly tries to use the default IP address of 192.168.1.30 to connect to the R1000, R5000, R6000, or D1000 switching system. Until SwitchCenter is configured with the correct IP address of the switching system it is to monitor/control, each time it tries to make a connection using the wrong IP address, an exception status message will be generated.

To start SwitchCenter with a saved profile, you must first run SwitchCenter, create a profile, save it, and then add the saved profile filename to the command line that is used to launch SwitchCenter. Refer to the section above for instructions about creating and using a profile with SwitchCenter.