Create Windows Service Application with JAVA (procrun)

Alhamdulillah, after using one full days to create windows service in java, I already made it based on tutorial at[here](http://joerglenhard.wordpress.com/2012/05/29/build-windows-service-from-java-application-with-procrun/). So, I just want to create another my own tutorial, so I hope it can help you to create windows service in java with procrun wrapper.

I used :

* jdk-7u4-windows-x64 (windows 7 64)
* IDE netbeans 7
* Log4j 1.2.17
* Procrun

To create windows service in java wit procrun :

* my windows service source code

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24  25  26  27  28  29  30  31  32  33  34  35  36  37  38  39  40 | package sample.windows.service;    import org.apache.log4j.Logger;    /\*\*   \*   \* @author arif   \*/  public class Driver {        private static Logger log = Logger.getLogger("windowsservicelog");      private static boolean stop = false;        public static void start(String[] args) {          while (!stop) {              try {                  Thread.sleep(1000);              } catch (InterruptedException e) {              }              log.info("running");          }      }        public static void stop(String[] args) {          log.info("stop");          stop = true;      }        static void main(String args[]) {          String mode = args[0];          switch (mode) {              case "start":                  start(args);                  break;              case "stop":                  stop(args);                  break;          }      }  } |

* my log4j configuration

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15 | # Root logger option  log4j.rootLogger=debug, file, stdout    # Direct log messages to a log file  log4j.appender.file=org.apache.log4j.RollingFileAppender  log4j.appender.file.File=D:\\windowsservice.log  log4j.appender.file.MaxFileSize=10MB  log4j.appender.file.layout=org.apache.log4j.PatternLayout  log4j.appender.file.layout.ConversionPattern=%d{ABSOLUTE} %5p %c{1}:%L - %m%n    # Direct log messages to stdout  log4j.appender.stdout=org.apache.log4j.ConsoleAppender  log4j.appender.stdout.Target=System.out  log4j.appender.stdout.layout=org.apache.log4j.PatternLayout  log4j.appender.stdout.layout.ConversionPattern=%d{ABSOLUTE} %5p %c{1}:%L - %m%n |

* simple template procrun script
* procrun.exe //IS//<your service name> --Install="<your procrun path>\procrun.exe" --Jvm=auto --Startup=auto
* --StartMode jvm --StartClass <your start class> --StartParams start
* --StopMode jvm --StopClass <your stop class> --StopParams  stop
* --Classpath="<your service jar path>\<your service jar>.jar" --DisplayName="<your display service name>"
* my procrun script

|  |  |
| --- | --- |
| 1  2  3  4 | procrun.exe //IS//SampleService --Install="D:\sample\_windows\_service\procrun.exe" --Jvm=auto --Startup=auto  --StartMode jvm --StartClass sample.windows.service.Driver --StartParams start  --StopMode jvm --StopClass sample.windows.service.Driver --StopParams  stop  --Classpath="D:\sample\_windows\_service\java\_windows\_service.jar" --DisplayName="Sample Service JAVA" |