

tomcat开机自启动脚本和监控脚本编写

1.tomcat启动脚本(针对压缩包方式安装的tomcat)

```
#!/bin/bash

# chkconfig: 2345 96 14
# Default-Start: 2 3 4 5
# Default-Stop: 0 1 6
# description:

date=`date +%Y-%m-%d`

# tomcat路径
CATALINA_HOME=/home/ec2-user/tomcat7
# 自定义变量
NAME=tomcat7

export CATALINA_HOME

# 判断脚本命令参数
case "$1" in
start)
    echo -n "[${date}] ${NAME} start: "
    ${CATALINA_HOME}/bin/catalina.sh start
    echo "[${date}] ${NAME} start finished: "
    ;;
stop)
    echo -n "[${date}] ${NAME} stop: "
    ${CATALINA_HOME}/bin/catalina.sh stop
    echo "[${date}] ${NAME} stop finished: "
    ;;
reload|restart)
    $0 stop
    echo "[${date}] ${NAME} stop: "
    sleep 2
    $0 start
    echo "[${date}] ${NAME} stop: "
    ;;
log)
    tail -f ${CATALINA_HOME}/logs/catalina.out
    ;;
*)
    echo "Usage: [start|stop|reload|restart|log]"
    exit 1
esac
exit 0
```

将以上脚本复制到/etc/init.d目录下并添加执行权限

```
sudo chmod +x /etc/init.d/tomcat
# 添加到开机启动项
sudo chkconfig --add tomcat
# 或者
sudo chkconfig tomcat on
# 查看是否添加到启动列表
sudo chkconfig --list tomcat
```

2.tomcat服务监控脚本

```
#!/bin/bash

# tomcat路径
CATALINA_HOME=/opt/tomcat7

# 获取tomcat进程号
tomcat_pid=$(ps -ef | grep tomcat7 | grep -w 'tomcat7' | grep -v 'grep' | awk '{print $2}')

# tomcat启动
tomcat_start=${CATALINA_HOME}/bin/catalina.sh start
```

```
# tomcat停止
tomcat_stop=${CATALINA_HOME}/bin/catalina.sh stop

# 定义要监控的tomcat服务地址
url=127.0.0.1:8080

# 日志输出
log_path=/var/logs/tomcat-monitor.log

# 监控函数
monitor(){
    echo "[INFO]开始监控tomcat7...[ `date +%F %H:%M:%S` ]"
    http_code=$(curl -I -m 10 -o /dev/null -s -w %{http_code}"\n" ${url})

    if [ ! -n ${http_code} -eq 200];
    then
        echo "[INFO]${url}返回码: ${http_code},正常运行..."
        echo
    elif [ ! -n ${tomcat_pid} ];
    then
        echo "[WARN]tomcat停止运行,tomcat7进程为空,页面返回码为:${http_code},3秒后开始重新启动..."
        ${tomcat_start}
        echo
    else
        echo "[ERROR]tomcat7停止运行,tomcat7进程不为空,3秒后重新启动..."
        kill -9 ${tomcat_pid}
        ${tomcat_start}
        echo
    fi
}

# 写入日志文件
monitor >> ${log_path}
```

3.定时任务脚本

```
HOME=/opt/tomcat
*/5 * * * * ./monitor.sh
```

通过crontab加入到定时任务

```
# 命令格式
crontab [-u user] file
crontab [-u user] [ -e | -l | -r ]
# 命令参数
-u user:指定某个用户
file:cron表达式文件
-e:手动编辑cron表达式
-l:显示某个用户的crontab文件内容
-r:删除用户的/var/spool/cron目录中的crontab文件
-i:在删除用户的crontab文件时给确认提示
```