

TomcatOnSolaris10

Running Tomcat on Sun Solaris 10

Solaris 10 comes pre installed with a Tomcat 5.5 installation.

Having found little information on the setup I decided to contribute what little useful things I found here

THE ENVIRONMENT

The following assumes you have Java already installed. java is usually installed in /usr/java. This is a symbolic link from the actual installation in /usr/jdk/jdk1.6.0_[Update]

THE PROBLEM

Solaris comes with apache and tomcat preinstalled, just not in the locations you would expect unless your are familiar with Solaris. Solaris 10 comes with a new method for starting and stopping services on system startup, called SMF(Service Management Facility).

Software installation directory

/usr/apache/tomcat55

Configuration, logs, and deployed applications (webapps directory)

/var/apache/tomcat55

If you where to run multiple instances of tomcat your would want to duplicate the whole */var/apache/tomcat55* directory, create new startup.sh shutdown.sh scripts setting a CATALINA_BASE environment variable pointing to your new instance.

Configuring SMF to start and stop tomcat

Create file in the following location. (The location does not really matter but the convention says so.)

/var/svc/manifest/application/web/tomcat.xml

```

<?xml version="1.0"?>
<!DOCTYPE service_bundle SYSTEM "/usr/share/lib/xml/dtd/service_bundle.dtd.1">
<!--
    tomcat_svr.xml : Tomcat service manifest, Daniel Berg
-->

<service_bundle type='manifest' name='Tomcat55'>
<service name='application/web/tomcat' type='service' version='1'>

    <single_instance />

    <exec_method
        type='method'
        name='start'
        exec='/usr/apache/tomcat55/bin/startup.sh'
        timeout_seconds='30' />

    <exec_method
        type='method'
        name='stop'
        exec='/usr/apache/tomcat55/bin/shutdown.sh'
        timeout_seconds='30' />

    <instance name='default' enabled='false' />

    <stability value='Unstable' />

    <template>
        <common_name>
            <loctext xml:lang='C'>Apache Tomcat 5.5.27</loctext>
        </common_name>
        <documentation>
            <manpage title='tomcat' section='1' manpath='/usr/man' />
        </documentation>
    </template>

</service>
</service_bundle>

```

To import this file run

```
# svccfg import /var/svc/manifest/application/web/tomcat.xml
```

Starting and stopping tomcat

To start tomcat you can now run

```
# svcadm enable tomcat
```

To stop tomcat you would run

```
# svcadm disable tomcat
```

To see the current status:

```
#- svcs -lp tomcat
```

Output is something like the following

```
fmri      svc:/application/web/tomcat:default
name      Apache Tomcat 5.5.27
enabled   true
state     online
next_state none
state_time Fri Feb 26 13:25:28 2010
logfile   /var/svc/log/application-web-tomcat:default.log
restarter svc:/system/svc/restarter:default
contract_id 183
process   8303 /usr/jdk/jdk1.6.0_18/bin/sparcv9/java -Djava.util.logging.config.file=/var/apac
```

You can see the log output from SMF in the filereferences as logfile in the above output for any troubleshooting.

Running tomcat through SMF negates the need to run tomcat using nohup on Solaris.

[CategoryFAQ](#)