

SAS Web Application Performance and Tuning Series (Part I)

In our continued series dealing with making SAS Web Application performance better, we will discuss the size of the SAS Transaction Manager log and how it could affect the performance of your SAS JVMs that host different SAS Web Applications.

These issues are most notable when SASServer1_1 takes an unusually a long time to come up and or the SAS performance of your SAS web applications degrade.

What is SAS Transaction Manager Log

The Transaction Manager log is used by AS Web Application Server and it could reduce or grow. Usually SAS Web Application Server cleans up this log, however, performance is severely impacted when this file grows to hundreds of MBs or larger.

SAS Transaction Manager Log Location


Default location (adjust for your site):

```
SAS-config-dir/Lev1/Web/WebAppServer/SASServer1_1/logs/tmlognnnn.log
```

Resolution

WIN

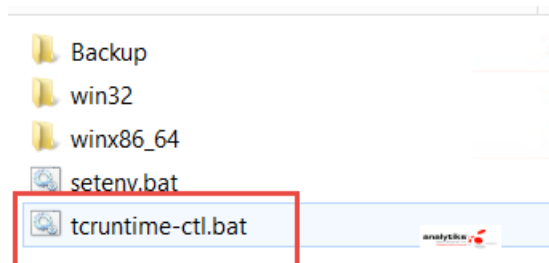
Stop the JVM that is experiencing this issue (we usually see SASServer1_1) experiencing the slow performance by either navigating to the Local Services and stopping the SASServer1_1

 SAS [Config-Lev1] SASServer1_1 - WebAppServer	SASServer1_1 WebA...	Running	Automatic	Local System...
 SAS [Config-Lev1] SASServer11_1 - WebAppServer	SASServer11_1 Web...	Running	Automatic	Local System...
 SAS [Config-Lev1] SASServer12_1 - WebAppServer	SASServer12_1 Web...	Running	Automatic	Local System...
 SAS [Config-Lev1] SASServer2_1 - WebAppServer	SASServer2_1 WebA...	Running	Automatic	Local System...

Command line (login as administrator or installer ID)

```
<>:\SAS\Config\Lev1\Web\WebAppServer\SASServer1_1\bin\tcruntime-ctl.bat stop
```

(replace SASServer1_1 with any that is experiencing the issue)



Linux

Best approach is to use command line feature

```
SAS-config-dir/Lev1/Web/WebAppServer/SASServer1_1/bin/tcruntime-ctl.sh  
stop
```

Delete the tmlognnnn.log file from

SAS-Config-dir/Lev1/Web/WebAppServer/SASServer1_1/logs/ directory

Note:

Check other logs for size as well and take appropriate action.