

# Phase 1

Friday, December 08, 2017 9:43 PM

Before we start load testing following are prerequisites:

#	Task	Task holder	Day	Notes	Status
1	Identify Jobs to be run as part of load testing	Krishna	Friday	QS, BPM, Online Assistance	Done
2	Create a sample template on SWP	Avanthi	Friday	<a href="http://is.factset.com/justifier/#31595?groupBy=default&amp;defaultemployee=11409">http://is.factset.com/justifier/#31595?groupBy=default&amp;defaultemployee=11409</a>	Done
3	Schedule future jobs from Tellusb03	Surya , Murali	Friday	Scheduled 50 jobs	Done
4	Delete all the jobs scheduled	Krishna	Friday		
5	Create a batch file to trigger when we are ready to test the jobs	Krishna	Friday		
6	Shut down Tellusb01	Joseph	Saturday		
7	Clear of all the resources such as Vms, serials, SGE browser sessions	Surya, Krishna	Saturday		
8	Copy the serials resource pool from Tellusb01 to b03	Avanthi	Saturday		
9	Restart Staf on tellusb03	Avanthi	Saturday		
10	Trigger the jobs using batch file	Krishna	Saturday		
11	Monitor the machine, resource and performance	Required Tellus Admins	Saturday		

Jobs Scheduled So far

## OA -

Instance ID: 335341

Group ID(s): 474945

Instance ID: 335342

Group ID(s): 474946

Instance ID: 335343

Group ID(s): 474947

Instance ID: 335346

Group ID(s): 474950

## QS

Instance ID: 335349

Group ID(s): 474969, 474970, 474971, 474972, 474973, 474974, 474975, 474976, 474977, 474978, 474979, 474980, 474981, 474982, 474983, 474984, 474985, 474986

Instance ID: 335363

Group ID(s): 475035, 475036, 475037, 475038, 475039, 475040, 475041, 475042, 475043, 475044

## BPM

Instance ID: 335353

Group ID(s): 475002, 475003, 475004, 475005, 475006, 475007, 475008, 475009, 475010, 475011, 475012, 475013, 475014, 475015, 475016

## Browser

Instance ID: 335354

Group ID(s): 475017

Instance ID: 335356

Group ID(s): 475019

## Next Gen

Instance ID: 335359

Group ID(s): 475031

## ID lookup

Instance ID: 335361

Group ID(s): 475033

Instance ID: 335362

Group ID(s): 475034

# Observations Run Sat 9th

Saturday, December 09, 2017 7:59 AM

Total 15 jobs triggered in Run 1  
All together initiated  
CPU went high but came down  
Downloads and Robocopy  
Memory was good 80%  
Some yarn error failure  
BPM and QS  
52 Diff test plans

## Batch 1

Scheduled 52 test plans out of which only 18 returned with results and other jobs are terminated

Terminated jobs reasons :

- 1) Logs not generated
  - a. Script Issue
- 2) Failed while downloading
  - a. Yarn Issue  
Error: ENOEMPTY: directory not empty, rmdir 'C:\Users\arentala\AppData\Local\Yarn\cache\v1\npm-core-js-2.5.2-bc4648656e7dc9dc80d7d3c7bbc172d96e744e63'
  - b. 3 out of 52 jobs failed with this error
- 3) Should look into P4 jobs terminate reason

### Observation :

- Downloading the files was quick than npm but this could be because of new machine and usage of machine is not high as b01
- CPU usage was striking up and down while downloading and Robocopy processing
- Physical memory was good , usage was between 60- 80%
- Java(Stax and cron) ,staf o and Robocopy consuming more memory while jobs are running

Finished all the jobs within one hour

Noticed that 50% of Physical memory is in use though when no jobs are executing (After batch 1 jobs are done)

## Batch 2

- Picked all pass fail jobs and generated 52 jobs out of them and triggered every
- 52 jobs returned results Without any issues
- CPU was striking up and down quite a few times it went around 100 and came down it was 99 for few seconds in between while doing robocopy and nodejs processes are running (No downloading was happening at this point of time)
- Physical memory was good and usage was between 60- 90% (could be because of all jobs were running and none got terminated)
- Java(Stax and cron) ,staf o and Robocopy consuming more memory while jobs are running

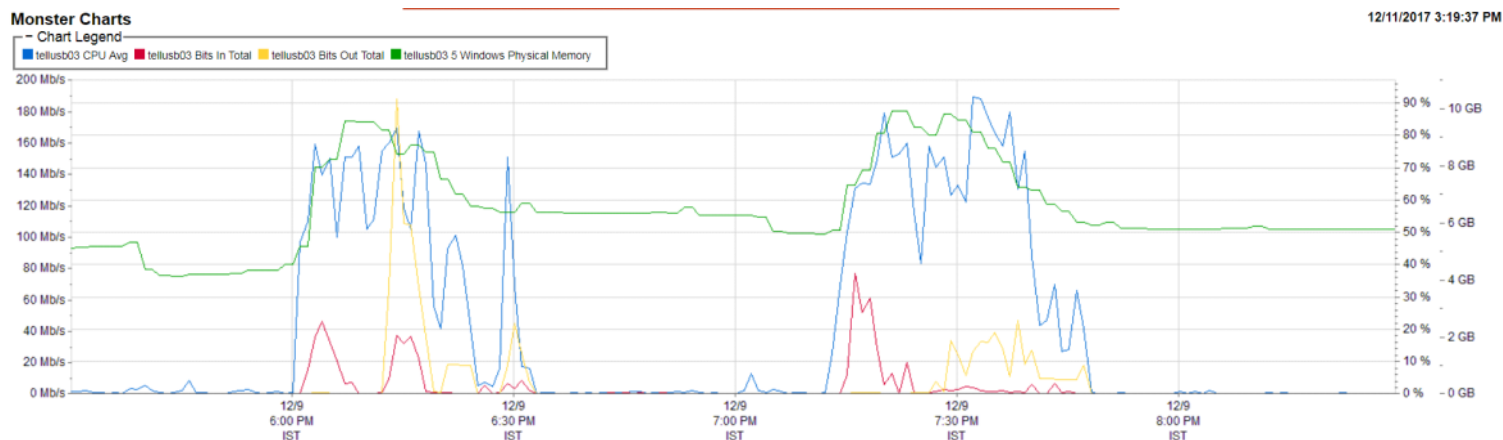
All the jobs got executed in one hour.

Overall : B03 is performed better than b01

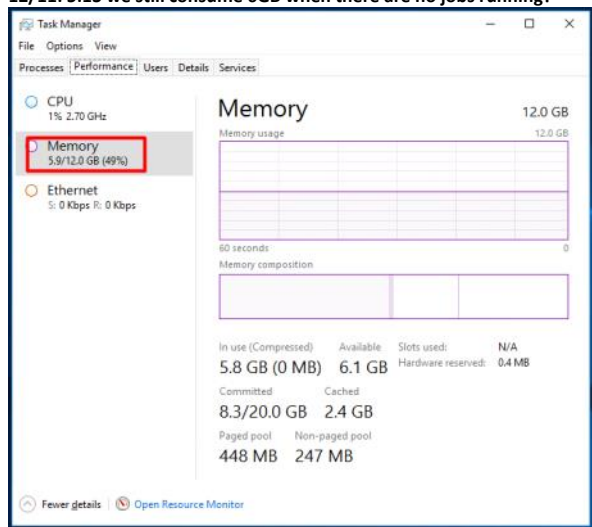
Note : Whatever better performance we see today might not be the same going forward as number of jobs, staf and cron logs will be executed

Monster charts during the load test:

<http://monster.factset.com/?mvok8>



12/11: 5:13 we still consume 6GB when there are no jobs running?



Processes			19%	48%
Performance			CPU	Memory
Name	Process name	Command line		
Java(TM) Platform SE binary	java.exe	"java" -Xmx1024m com.ibm.staf.service.STAFServiceHelper STAX	0%	2,072.2 MB
Commons Daemon Service Run...	TomEE.amd64.exe	C:\apache-tomee-plus-1.7.4\bin\TomEE.amd64.exe //RS//TomEE	0%	270.3 MB
Java(TM) Platform SE binary	java.exe	java -jar STAXMon.jar	0%	106.6 MB
Java(TM) Platform SE binary	java.exe	java -jar STAXMon.jar	0%	97.6 MB
Java(TM) Platform SE binary	java.exe	"java" com.ibm.staf.service.STAFServiceHelper STAFJVM1	0%	88.5 MB
Java(TM) Platform SE binary	java.exe	java -jar STAFcron.jar	0%	80.7 MB
Java(TM) Platform SE binary	java.exe	"java" -Xmx1024m com.ibm.staf.service.STAFServiceHelper CRON	0%	71.9 MB
Apache HTTP Server	httpd.exe	C:\Apache24\bin\httpd.exe -d C:/Apache24	0%	59.9 MB
Server Manager	ServerManager.exe	"C:\Windows\system32\ServerManager.exe"	0%	57.4 MB
terminals	svchost.exe	C:\Windows\System32\svchost.exe -k terminals	0%	52.9 MB
Server Manager	ServerManager.exe	"C:\Windows\system32\ServerManager.exe"	0%	51.7 MB
Service Host: Local System (14)	svchost.exe	C:\Windows\system32\svchost.exe -k netsvcs	0%	48.0 MB
Search	SearchUI.exe	"C:\Windows\SystemApps\Microsoft.Windows.Cortana_cw5n1h2byewy\SearchUI.exe"	0%	47.9 MB
Windows Explorer	explorer.exe	C:\Windows\Explorer.EXE	0%	43.0 MB
Windows Explorer	explorer.exe	C:\Windows\Explorer.EXE	0%	41.2 MB
Windows Explorer	explorer.exe	C:\Windows\Explorer.EXE	0%	33.9 MB
Windows Explorer	explorer.exe	C:\Windows\Explorer.EXE	0%	33.3 MB
Desktop Window Manager	dwm.exe	"dwm.exe"	0%	29.1 MB
STAFProc.exe	STAFProc.exe	"C:\STAF\bin\STAFProc.exe"	0%	28.5 MB
Ascertain (32 bit)	Ascertain.exe	"C:\Program Files (x86)\FactSet Research Systems, Inc\Ascertain\Ascertain\Ascertain...."	0%	28.3 MB
Desktop Window Manager	dwm.exe	"dwm.exe"	0%	26.4 MB
WMI Provider Host (32 bit)	WmiPrvSE.exe	C:\Windows\sysWOW64\wbem\wmiPrvse.exe -Embedding	0%	23.1 MB
Desktop Window Manager	dwm.exe	"dwm.exe"	0%	22.6 MB
WMI Provider Host	WmiPrvSE.exe	C:\Windows\system32\wbem\wmiPrvse.exe	0%	22.2 MB
Antimalware Service Executable	MsMpEng.exe	"C:\Windows\system32\Taskmgr.exe" /4	0%	21.1 MB
Task Manager	Taskmgr.exe	"C:\Windows\system32\Taskmgr.exe" /4	0%	20.4 MB
Desktop Window Manager	dwm.exe	"dwm.exe"	0%	19.2 MB
Service Host: Local Service (Net...	svchost.exe	C:\Windows\System32\svchost.exe -k LocalServiceNetworkRestricted	0%	18.8 MB
Windows Shell Experience Host	ShellExperienceHost.exe	"C:\Windows\SystemApps\ShellExperienceHost_cw5n1h2byewy\ShellExperienceHos...	0%	17.1 MB
AscertainController (32 bit)	AscertainController.exe	"C:\Program Files (x86)\FactSet Research Systems, Inc\Ascertain\AscertainController...."	0%	15.1 MB