

Technical Foundation: AOL Concurrent Manager

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Introduction

This is handout supplement for the Technical Foundation: AOL Concurrent Manager training session. It contains several script listings as well as sample output from the execution of those scripts.

\$FND_TOP/sql/afcmstat.sql Script Listing

```
REM $Header: afcmstat.sql 115.8 2005/08/19 20:46:56 ckclark ship $
REM +=====+
REM | Copyright (c) 1992 Oracle Corporation Belmont, California, USA |
REM | All rights reserved. |
REM +=====+
REM FILENAME
REM afchkmgr.sql
REM DESCRIPTION
REM Displays all defined Managers and shows current status of manager
REM processes.
REM NOTES
REM Max : Number of requests that could be run simultaneously at this
REM instance by the manager.
REM Running : Number of Active Managers at this instance.
REM
REM Prints the Concurrent Manager process ID's
REM Cpid : Is the Oracle ID for the Manager.
REM Osid : Is the System process ID for the Manager.
REM
REM Ram Bhoopalam Created
REM +=====+
REM
REM dbdrv:none
REM

set pages 1000
Set LineSize 90
Column Manager Heading 'Manager' Format A27
Column Node Heading 'Target' Format A10
Column ApId Heading 'Appl ID' Format 9999990
Column Q_Id Heading 'Q ID' Format 9999990
Column Running Heading 'Running' Format 990
Column Max Heading 'Max' Format 999
Column Buf Heading 'Buf' Format 999

set head off
Select
'
-----
Managers with their defined capacities for the current shift
```

```

-----'
from Dual;

set head on
select Application_Id ApId, concurrent_queue_id Q_Id,
       User_Concurrent_Queue_Name Manager, Target_Node Node,
       Running_Processes Running,
       Max_Processes Max, Cache_Size Buf, Diagnostic_Level D
from fnd_concurrent_queues_vl
/

Column OsId          Format A10
Column CpId          Format 9999999990
Column Opid          Format 999
Column Manager       Format A18
Column Node          Format A9
Column Started_At   Format A19

Column Q_Id          Format 99999990
Column Q_Id          Heading 'Q ID'

Column Cpid          Heading 'Cpid'
Column Node          Heading 'Node'
Column OsId          Heading 'System|Pid'
Column Opid          Heading 'Oracle|Pid'
Column Manager       Heading Manager
Column Started_At   Heading 'Started at'
Column Opid          Justify Left
Column Instance      Heading 'Instance'
Column Instance      Format 99

set head off
Select
'-----'
      Managers with their corresponding Oracle and System Process Id's
-----'

from dual;

set head on
Select distinct Concurrent_Process_Id CpId,
       GVS.Inst_ID Instance,
       GVP.PID Opid,
       Os_Process_ID Osid,
       Q.User_Concurrent_Queue_Name Manager,
       P.Node_Name Node,
       To_Char(P.Process_Start_Date, 'MM-DD-YY HH:MI:SSAM') Started_At
from   Fnd_Concurrent_Processes P, Fnd_Concurrent_Queue_Vl Q,
       GV$Process GVP, GV$Session GVS
where  Q.Application_Id = Queue_Application_ID
       And (Q.Concurrent_Queue_ID = P.Concurrent_Queue_ID)
       And (GVS.Process = Os_Process_ID )
       And (GVP.ADDR = GVS.PADDR )
       And Process_Status_Code not in ('K','S')
Order by GVS.Inst_ID, P.Node_Name, Concurrent_Process_ID,
       Q.User_Concurrent_Queue_Name

```

```

;

set head off

Select
'-----
                Managers that are having problems
      ( Look into W<Cpid>.mgr under $FND_TOP/log for more information )'
from dual;

set head on
Select distinct Concurrent_Process_Id CpId,
      Oracle_Process_ID Opid,
      Os_Process_ID Osid,
      User_Concurrent_Queue_Name Manager,
      P.Node_Name Node,
      To_Char(P.Process_Start_Date, 'MM-DD-YY HH:MI:SSAM') Started_At
from   Fnd_Concurrent_Processes P, Fnd_Concurrent_Queues_Vl Q
where  Q.Application_Id = Queue_Application_ID
      And Q.Concurrent_Queue_ID = P.Concurrent_Queue_ID
      And P.Concurrent_Queue_ID <> 1
      And (Os_Process_ID ) Not in
          ( Select GVS.Process
            from GV$SESSION GVS
            Where GVS.Process Is Not Null )
      And ( Process_Status_Code = 'A' OR
          Process_Status_Code = 'R' OR
          Process_Status_Code = 'T' )
Order by Os_Process_Id,
      Concurrent_Process_ID, Q.User_Concurrent_Queue_Name
;

set head off

Select
'-----
                Managers that are not active at this instant
      -----'
from dual;

Column Application_Name Format A30
Column Application_Name Heading 'Application Name'
Column QId Format 99999
Column Node Format A15
Column Manager Format A20

set head on
Select Application_Name, Concurrent_Queue_Id QId,
      User_Concurrent_Queue_Name Manager, Node_Name Node
from   Fnd_Concurrent_Queues_Vl Q, Fnd_Application_Vl A
where  A.Application_Id = Q.Application_ID
      And Max_Processes = 0
      And Running_Processes = 0
      And Q.Concurrent_Queue_ID <> 1
order by Application_Name, User_Concurrent_Queue_Name
;

```

\$FND_TOP/sql/afcmstat.sql Sample Output

SQL> @\$FND_TOP/sql/afcmstat.sql

 Managers with their defined capacities for the current shift

Appl ID	Q ID	Manager	Target	Running	Max	Buf	D
0	9190	Service Manager: SBLLC12	SBLLC12	1	1		
0	9191	Internal Monitor: SBLLC12		0	0		
530	1175	Marketing Data Mining Manager		0	0		
0	1176	Workflow Document Web Services Service		0	0		
0	6187	Output Post Processor	SBLLC12	1	1		4
385	1177	WMS Task Archiving Manager		0	0		
802	8189	FastFormula Transaction Manager		0	0		
0	9197	OAM Generic Collection Service:SBLLC12		0	0		
0	0	Standard Manager	SBLLC12	5	5	1	N
0	1	Internal Manager	SBLLC12.SO LUTIONBEAC ON.NET	1	1		N
275	40	PA Streamline Manager	SBLLC12	1	1	1	N
401	10	Inventory Manager	SBLLC12	1	1	1	N
704	39	MRP Manager	SBLLC12	1	1	1	N
0	4	Conflict Resolution Manager	SBLLC12	1	1		N
401	11	INV Remote Procedure Manager	SBLLC12	1	1		N
705	12	CRP Inquiry Manager	SBLLC12	1	1		N
0	9192	Apache Listener for sbllc12:8046		0	0		
201	15	PO Document Approval Manager	SBLLC12	1	1		N
201	14	RCVTM	SBLLC12	1	1		N
0	5	Scheduler/Prereleaser Manager		0	0		
201	222	Receiving Transaction Manager	SBLLC12	1	1		N
0	223	Transaction Manager (Inter		0	0		

nal use only)

535	1023	Oracle Provisioning Manager	SBLLC12	1	1	1	N
0	1068	Debug Service		0	0		
696	1043	Session History Cleanup		0	0		
510	1044	Contracts Core Concurrent M anager		0	0	5	
695	1045	Collections Manager		0	0		
535	1046	SFM Controller Service		0	0	4	
535	1047	SFM Order Queue Service		0	0	4	
535	1048	SFM Work Item Queue Service		0	0	4	
535	1049	SFM Fulfillment Actions Que ue Service		0	0	4	
535	1050	SFM Fulfillment Element Rea dy Queue Service		0	0	4	
535	1051	SFM Event Manager Queue Ser vice	SBLLC12	1	1	4	
535	1052	SFM Inbound Messages Queue Service		0	0	4	
535	1053	SFM Timer Queue Service		0	0	4	
535	1054	SFM Application Monitoring Service	SBLLC12	1	1	4	
535	1055	SFM SM Interface Test Servi ce		0	0	4	
696	1069	UWQ Worklist Items Release for Crashed session		0	0		
0	1070	Workflow Mailer		0	0		
0	1071	OAM Metrics Collection Mana ger	SBLLC12	1	1	1	N
0	1072	Workflow Summary Mailer		0	0		
0	1093	C AQCART Service		0	0		
716	1094	Transportation Manager		0	0		
0	1095	Workflow Agent Listener Ser vice	SBLLC12	1	1		
0	1096	Workflow Mailer Service	SBLLC12	1	1		
0	9193	Forms Listener for sbllec12: 9046		0	0		
0	9194	Reports Server for sbllec12: 7046		0	0		
0	9195	Metrics Client for sbllec12: 9146		0	0		
0	9196	Metrics Server for sbllec12: 9246		0	0		

405 3177 MWA001

0 0

50 rows selected.

Managers with their corresponding Oracle and System Process Id's

Cpid	Instance	Oracle Pid	System Pid	Manager	Node	Started at
750722	1	30	7595	Internal Manager	SBLLC12	02-14-07
12:20:12AM						
750723	1	35	8108	INV Remote Procedu	SBLLC12	02-14-07
12:20:16AM				re Manager		
750724	1	15	7992	Service Manager: S	SBLLC12	02-14-07
12:20:16AM				BLLC12		
750725	1	37	8109	Receiving Transact	SBLLC12	02-14-07
12:20:16AM				ion Manager		
750726	1	36	8110	RCVTM	SBLLC12	02-14-07
12:20:16AM						
750727	1	18	8111	PO Document Approv	SBLLC12	02-14-07
12:20:16AM				al Manager		
750728	1	19	8112	CRP Inquiry Manage	SBLLC12	02-14-07
12:20:16AM				r		
750734	1	65	8181	Conflict Resolutio	SBLLC12	02-14-07
12:20:21AM				n Manager		
750735	1	17	8182	Standard Manager	SBLLC12	02-14-07
12:20:21AM						
750736	1	29	8183	Standard Manager	SBLLC12	02-14-07
12:20:21AM						
750737	1	20	8186	Standard Manager	SBLLC12	02-14-07
12:20:21AM						
750738	1	25	8189	Standard Manager	SBLLC12	02-14-07
12:20:21AM						
750739	1	13	8192	Standard Manager	SBLLC12	02-14-07
12:20:21AM						
750740	1	46	8193	Oracle Provisionin	SBLLC12	02-14-07
12:20:21AM				g Manager		

```

750741      1      43 8194      OAM Metrics Collec SBLLC12  02-14-07
12:20:21AM                                tion Manager

750742      1      67 8196      PA Streamline Mana SBLLC12  02-14-07
12:20:21AM                                ger

750743      1      66 8197      Inventory Manager  SBLLC12  02-14-07
12:20:21AM

750744      1      68 8198      MRP Manager        SBLLC12  02-14-07
12:20:21AM

```

18 rows selected.

```

-----
                Managers that are having problems
( Look into W<Cpid>.mgr under $FND_TOP/log for more information )

```

```

                Oracle System
                Cpid Pid      Pid      Manager                Node      Started at
-----
750729      50 8129      Output Post Proces SBLLC12  02-14-07 12:20:16AM
                sor

750730      52 8138      Workflow Agent Lis SBLLC12  02-14-07 12:20:20AM
                tener Service

750731      53 8147      Workflow Mailer Se SBLLC12  02-14-07 12:20:20AM
                rvice

750732      60 8156      SFM Application Mo SBLLC12  02-14-07 12:20:20AM
                nitoring Service

750733      64 8168      SFM Event Manager  SBLLC12  02-14-07 12:20:21AM
                Queue Service

```

```

-----
                Managers that are not active at this instant
-----

```

```

Application Name                QID Manager                Node
-----
Application Object Library      9192 Apache Listener for SBLLC12
                sbl1c12:8046

Application Object Library      1093 C AQCART Service
Application Object Library      1068 Debug Service
Application Object Library      9193 Forms Listener for s SBLLC12
                bllc12:9046

```

Application Object Library	9191	Internal Monitor: SB SBLLC12 LLC12
Application Object Library	9195	Metrics Client for s SBLLC12 bllc12:9146
Application Object Library	9196	Metrics Server for s SBLLC12 bllc12:9246
Application Object Library	9197	OAM Generic Collecti SBLLC12 on Service:SBLLC12
Application Object Library	9194	Reports Server for s SBLLC12 bllc12:7046
Application Object Library	5	Scheduler/Prerelease r Manager
Application Object Library	223	Transaction Manager (Internal use only)
Application Object Library	1176	Workflow Document We b Services Service
Application Object Library	1070	Workflow Mailer
Application Object Library	1072	Workflow Summary Mai ler
Collections	1045	Collections Manager
Contracts Core	1044	Contracts Core Concu rrent Manager
FastFormula	8189	FastFormula Transact ion Manager
Marketing	1175	Marketing Data Minin g Manager
Mobile Applications	3177	MWA001
Provisioning	1046	SFM Controller Servi ce
Provisioning	1049	SFM Fulfillment Acti ons Queue Service
Provisioning	1050	SFM Fulfillment Elem ent Ready Queue Serv ice
Provisioning	1052	SFM Inbound Messages Queue Service
Provisioning	1047	SFM Order Queue Serv ice

Provisioning	1055 SFM SM Interface Test Service
Provisioning	1053 SFM Timer Queue Service
Provisioning	1048 SFM Work Item Queue Service
Transportation Execution	1094 Transportation Manager
Universal Work Queue	1043 Session History Cleanup
Universal Work Queue	1069 UWQ Worklist Items Release for Crashed session
Warehouse Management	1177 WMS Task Archiving Manager

31 rows selected.

\$FND_TOP/sql/afrqrun.sql Script Listing

```
REM $Header: afrqrun.sql 115.3 2005/08/19 20:53:32 ckclark ship $
REM /*=====+
REM |          Copyright (c) 1991 Oracle Corporation Belmont, California, USA          |
REM |          All rights reserved.          |
REM +=====+
REM |
REM | FILENAME
REM |   running.sql
REM |
REM | DESCRIPTION
REM |   Lists all Running, Terminating, Paused Requests
REM |
REM |
REM |          Ram Bhoopalam          Created
REM +=====*/
REM
REM dbdrv:none
REM
```

```
set pages 58
set linesize 79
```

```
Column Reqst      Format 999999
Column Requestor  Format A10
Column Orcl       Format A7
Column Program    Format A10
Column Started    Format A14
Column Manager    Format A11
Column LN         Format a10
```

```
Column Reqst      HEADING 'Request|ID      '
Column Requestor  HEADING 'Requestor'
Column Orcl       HEADING 'Oracle|Name'
Column Started    HEADING 'Started at'
Column MANAGER    HEADING 'Controlling|Manager'
Column LN         HEADING 'Logfile|name'
Column Program    HEADING 'Program'
```

```
REM Column Start_At HEADING 'Requested|to start at'
Break On Report
Comput Count OF Reqst ON Report
```

DOC

```
ORACLE NAME : Oracle account to which the running
request is connected.
R           : Whether the request is Run Alone
S           : Whether the request is Single Threaded
```

#

```
REM To_Char(Requested_Start_Date, 'Mm-Dd-Yy Hh24:Mi') Start_At,
```

```
TTITLE 'Running Requests'
```

```

Select Request_Id Reqst, User_Name Requestor, Oracle_Username Orcl,
       Fcr.Logfile_Name LN,
       Concurrent_Queue_Name Manager,
       Concurrent_Program_Name Program,
       To_Char(Actual_Start_Date, 'Mm-Dd-Yy Hh24:Mi') Started,
       Run_Alone_Flag, Single_Thread_Flag
From   Fnd_Concurrent_Requests Fcr, Fnd_Concurrent_Programs Fcp,
       Fnd_Oracle_Userid O, Fnd_Concurrent_Processes P,
       Fnd_Concurrent_Queues Q, Fnd_User
Where
       Controlling_Manager = Concurrent_Process_ID
       And ( P.Concurrent_Queue_ID = Q.Concurrent_Queue_ID AND
             P.Queue_Application_ID = Q.Application_ID )
       And O.Oracle_Id = Fcr.Oracle_Id
       And ( Fcr.Program_Application_Id = Fcp.Application_Id
             And Fcr.Concurrent_Program_Id = Fcp.Concurrent_Program_Id )
       And Requested_By = User_Id
       And Phase_Code = 'R' and Status_Code = 'R'
Order By Actual_Start_Date, Request_Id
/

```

TTITLE 'Terminating Requests'

```

Select Request_Id Reqst, User_Name Requestor, Oracle_Username Orcl,
       Fcr.Logfile_Name LN,
       Concurrent_Queue_Name Manager,
       Concurrent_Program_Name Program,
       To_Char(Actual_Start_Date, 'Mm-Dd-Yy Hh24:Mi') Started,
       Run_Alone_Flag, Single_Thread_Flag
From   Fnd_Concurrent_Requests Fcr, Fnd_Concurrent_Programs Fcp,
       Fnd_Oracle_Userid O, Fnd_Concurrent_Processes P,
       Fnd_Concurrent_Queues Q, Fnd_User
Where
       Controlling_Manager = Concurrent_Process_ID
       And ( P.Concurrent_Queue_ID = Q.Concurrent_Queue_ID AND
             P.Queue_Application_ID = Q.Application_ID )
       And O.Oracle_Id = Fcr.Oracle_Id
       And ( Fcr.Program_Application_Id = Fcp.Application_Id
             And Fcr.Concurrent_Program_Id = Fcp.Concurrent_Program_Id )
       And Requested_By = User_Id
       And Phase_Code = 'R' and Status_Code = 'T'
Order By Actual_Start_Date, Request_Id
/

```

Ttitle 'Paused Requests'

```

Select Request_Id Reqst, User_Name Requestor, Oracle_Username Orcl,
       Fcr.Logfile_Name LN,
       Concurrent_Program_Name Program,
       To_Char(Actual_Start_Date, 'Mm-Dd-Yy Hh24:Mi') Started,
       Run_Alone_Flag, Single_Thread_Flag
From   Fnd_Concurrent_Requests Fcr, Fnd_Concurrent_Programs Fcp,
       Fnd_Oracle_Userid O, Fnd_User
Where Status_Code = 'W'
       And Fcr.Concurrent_Program_Id = Fcp.Concurrent_Program_Id
       And Fcr.Program_Application_Id = Fcp.Application_Id

```

```
And Requested_By = User_Id  
And O.Oracle_Id = Fcr.Oracle_Id  
Order By Actual_Start_Date, Request_Id  
/
```

```
TITLE OFF  
Set Pages 60  
Set Linesize 80  
Clear Breaks  
Clear Computes
```


Common SQL Decodes

```
DECODE(fcr.phase_code,
      'C', 'Completed',
      'I', 'Inactive',
      'P', 'Pending',
      'R', 'Running',
      fcr.phase_code)
...
FROM fnd_concurrent_requests fcr
```

```
DECODE(fcr.status_code,
      'A', 'Waiting',      'B', 'Resuming',
      'C', 'Normal',      'D', 'Cancelled',
      'E', 'Errored',     'F', 'Scheduled',
      'G', 'Warning',     'H', 'On Hold',
      'I', 'Normal',      'M', 'No Manager',
      'Q', 'Standby',     'R', 'Normal',
      'S', 'Suspended',   'T', 'Terminating',
      'U', 'Disabled',    'W', 'Paused',
      'X', 'Terminated',  'Z', 'Waiting',
      fcr.status_code)
...
FROM fnd_concurrent_requests fcr
```

```
DECODE (fcpg.execution_method_code,
      'A', 'Spawned',
      'F', 'Flexsql',
      'H', 'Host',
      'I', 'PL/SQL',
      'L', 'SQL*Loader',
      'P', 'Oracle Rpt',
      'Q', 'SQL*Plus',
      'R', 'SQL*Report',
      'S', 'Immediate',
      'X', 'FlexRpt',
      fcpg.execution_method_code),
...
FROM fnd_concurrent_programs fcpg
```