

Job Viewing Statistics**Background**

Sometimes it is useful to know which job output files stored in your OMCS database are actually being viewed by users. Also, how often they are accessed and by whom. PTF ASP0959 introduces new function to OMCS which allows to you to gather this information. You may activate and inactivate the gathering of job viewing statistics. After PTF ASP0959 is installed, gathering of job viewing statistics is initially inactive and you have to activate it. A program is provided allowing you to print job viewing statistics.

Activating (or Inactivating) Job Viewing Statistics

On the OMCS job selection criteria panel, enter the **JSTAT** primary command. The panel shown below is displayed. It shows the current state of job viewing statistics and allows you to modify it.

```
OMCS/V2 Job Statistics Activation
COMMAND ==>>

Enable job usage statistics ==>> Y (Y/N)

Use the CANCEL command to terminate and discard any changes
Use the END command to terminate and save any changes
```

Operational Considerations

Job viewing statistics are collected and held in OMCS database files. A new file is started each calendar month. These files have a file name of **.JOBSTAT** and a file type like **2003_JUL**.

To successfully gather the statistics, all users must be able to create and update these files. Here is an example OMCS/ACF rule which will grant the necessary access.

```
IF ACCESS(I,X,U,C) /* if any access except delete
FILE(.JOBSTAT *) /* and its a job stats file
THEN ALLOW /* allow it
```

Reporting the Statistics

A batch program, OMCSJBUS, has been provided to generate reports from the data in the job statistics files. Sample JCL to run the program is shown below. This JCL is also available in the .ASESAMP library member RUNJBUS.

```
/*-----
/* SAMPLE JCL TO RUN OMCSJBUS - OMCS JOB VIEWING STATISTICS UTILITY
/*
/* TWO PARAMETERS ARE REQUIRED:
/*
/* MONTH TO REPORT ON: E.G. 2003_JUL
/*
/* REPORT OPTION:      JOBSLIST      -OR-
/*                      JOBSBYUSER
/*-----
//JBUS EXEC PGM=OMCSJBUS,
// PARM='2003_JUL JOBSLIST @DB=your.database.name'
//STEPLIB DD DISP=SHR,DSN=your.ASELIB
//SYSPRINT DD SYSOUT=*
```

The program requires two parameters, the first is the file type of the **.JOBSTAT** file that holds the the data to be report ed on, the second is a keyword designating which of the two reports are to be generated.

JOBSLIST lists the job names and the total number of users who viewed the job and the total number of times the job was viewed.

JOBSBYUSER is the same as **JOBSLIST** except that the user ids are shown for each job name.

In the sample JCL above, replace *your.database.name* with the dataset name of your OMCS database. A STEPLIB DD statement may not be required at your installation. If required, replace *your.ASELIB* with the dataset name of your OMCS load library. Otherwise, delete the STEPLIB DD statement.

Sample Output

JOBSLIST

```
OMCS Job Viewing Statistics - 2003_JUL
```

Job Name	Users	Accesses
AMF0855A	1	1
AMF1150A	1	1
AMF1445A	1	1
AMF1555A	1	1
ASCHINT	1	18
BPXAS	1	59
CLEARWTR	0	0
CPUMON	0	0
EZAZSSI	1	1
FTPD	1	1
IEESYSAS	1	1
IRRDPTAB	1	1
NFSC	1	1
NFSS	1	1
OMCSIRM	1	3
PORTMAP	1	1
RACF	1	1
SDSF	1	5
SHUTDOWN	1	1
SYSLOG	1	18
TCPIP	1	5
TSO	1	6
VTAM	1	3
VTAMPM	1	4
ZFS	1	13

Total Jobs=25 Total Users=1 Total Accesses=147

JOBSBYUSER

```
OMCS Job Viewing Statistics - 2003_JUL
```

Job Name	Users	Accesses
AMF0855A	1	1
PETER		1
AMF1150A	1	1
PETER		1
AMF1445A	1	1
PETER		1
AMF1555A	1	1
PETER		1
ASCHINT	1	18
PETER		18
BPXAS	1	59
PETER		59
CLEARWTR	0	0
CPUMON	0	0
EZAZSSI	1	1
PETER		1
FTPD	1	1
PETER		1
IEESYSAS	1	1
PETER		1

IRRDPTAB	1	1
PETER		1
NFSC	1	1
PETER		1
NFSS	1	1
PETER		1
OMCSIRM	1	3
PETER		3
PORTMAP	1	1
PETER		1
RACF	1	1
PETER		1
SDSF	1	5
PETER		5
SHUTDOWN	1	1
PETER		1
SYSLOG	1	18
PETER		18
TCPIP	1	5
PETER		5
TSO	1	6
PETER		6
VTAM	1	3
PETER		3
VTAMPM	1	4
PETER		4
ZFS	1	13
PETER		13
Total Jobs=25 Total Users=1 Total Accesses=147		

Messages and Codes

Condition Codes

The following condition codes will be set:

- 0** The requested report was produced successfully.
- 4** Unable to produce a report as there are no statistics available for the requested month.
- 16** A severe error occurred. Check the control listing for more information.

Messages

OMCSJ101W There are no job statistics for the month *aaa*

The file .JOBSTATS aa does not exist in the database.

OMCSJ101E The copy program ASEDBCPY failed with rc=nn

The ASEDBCPY copy program has unexpectedly failed, contact ASE for support.

OMCSJ103E A DBSORT operation failed with rc=nn

A DBSORT statement has unexpectedly failed, contact ASE for support.

OMCSJ104E “aaaaaaaa” is not a valid function

This program only supports JOBSLIST and JOBSBYUSER as valid functions.

OMCSJ05E unable to load program pppppppp

The program pppppppp could not be loaded. Verify that the correct libraries are allocated to ECPLIB, STEPLIB and/or ISPLLIB.

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