

So, what is IOF/JAMS? It's a very simple archival system that archives each job to a standard z/OS data set. That means that you don't need a complex data base or new security rules. If you can access a job with IOF, you can archive it. If you can create z/OS data sets, you can create archive data sets.



OK, this sounds pretty simple, but why would you want to use it?

First of all, you gain complete control over your jobs because they are in your data sets. And, you can organize your jobs into categories that can be very useful. We'll show you how we use that in IOF development. We also archive the entire job, including SYSIN data sets and the entire original input job.

This may sound pretty interesting at this point, but you're probably wondering how complicated it is to use. I think you will see that users can easily learn to archive their jobs with no help at all from tech support. And, it's also very simple for them to find and browse archived jobs.

Best of all, users review their archived jobs just like their spool jobs. And, they can manually archive jobs from IOF displays or automatically archive jobs after jobs run.



Here are some benefits that we see for the installation. First, users can start archiving with little or no help from tech support. That's because there are no complicated data bases or new security rules.

IOF/JAMS also includes a classical bulk archival capability that lurks around and picks up jobs based on very flexible selection criteria. For IOF/JAMS, you can select based on any IOF display fields. Many companies already have a bulk archival system in place, but here are a couple of potentially useful applications even if you already have an archive system.

You can actually use IOF/JAMS to archive additional information for jobs that are already being archived (without disrupting their normal archival). As we will see, IOF/JAMS saves an IOF Job Summary for each job and the original input job. You can choose to have IOF/JAMS just archive that additional information and not any large reports. IOF/JAMS can also be very useful for spool cleanup. The potential downside to accidentally throwing away vital jobs can be overwhelming. IOF/JAMS allows you to copy jobs off the spool into z/OS data sets that can then be migrated off the system. And, it's easy to go back and find them.



Now, we will demonstrate IOF/JAMS with some screen captures from an actual IOF session. First, we will demonstrate how to manually archive jobs.

This is a standard *IOF Job List Menu*. For simplicity of this demo, this job list has only one job.

To display the normal *IOF Job Summary* panel for this job, we will enter the "S" line command by the job.

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This is the *IOF Job Summary* panel for the MAKEDEMO job. This is the IOF display that shows you the return code results for the jobs and all of its sysout data sets. We are displaying it here because we will see the archived version of it after we archive the job. We will return to the *Job List Menu*.



We will now enter the ARC line command for the MAKEDEMO job to manually archive the job.



This is where you specify the target data set for the archival and other useful options. Since we have previously archived other jobs, it has remembered the data set name prefix and suffix that we like to use for our archive data sets

You optionally can specify a second level for the data set name in the category field. We will show how useful this can be later in the presentation. For now we will ignore the fields at the bottom of the panel that show its flexibility and press ENTER to archive the job.



We can see that the message indicates that we have archived the job. We will now enter the ARC primary command to display our archived jobs.



This panel is where you ask for a list of archived jobs. Since it remembers the prefix and suffix from our last archive, we will simply press ENTER to see our archived jobs.



This is a list of jobs that have been archived with the specified data set name prefix and suffix. This list is simple, but it could have hundreds of jobs. The filtering fields can be very useful in refining the list. We can see our MAKEDEMO job, so we will select it.

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This is the *Archived Job Summary* for the archived job. We are now displaying the data from the archived data set, and from not the spool. We'll see in a minute just how close this is to a normal *IOF Job Summary*. From here we can select a sysout for browse just as you would from the normal *IOF Job Summary* panel.

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We are browsing this sysout data set from the archived job, not from the spool. We will return now to the *Archive Job Summary*.

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To compare the *Archived Job Summary* for this job with its normal *IOF Job Summary*, we will enter split screen mode.

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3 Utilities	Perform utility functions	Screen :	2
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5 Batch	Submit job for language processing	Appl ID . :	ISP
6 Command	Enter TSO or Workstation commands	TSO logon :	DOIT
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IS ISMF	Inter Storage Management Facility		
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We will enter "I" for IOF and press ENTER.

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We are now displaying the *IOF Job List*. We will use the "S" line command to redisplay the normal *IOF Job Summary* for the MAKEDEMO job.

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This is the normal IOF Job Summary for the MAKEDEMO job. We will now SWAP back to the Archived Job Summary to demonstrate that reviewing an archived job is exactly like reviewing the original job on the spool.

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Notice that the *Archived Job Summary* is virtually identical to the original *IOF Job Summary* for the job. This means that you don't need to learn any new tricks to review your archived jobs because they look just like your normal spool jobs. We will enter SWAP again to take another look at the original *IOF Job Summary* panel for the job.

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3MESSAGES *H1W81LN14SYSPRINT COMPODJHELDH2H12LN15SYSPRINT CASMHELDH2H518LN16SYSPRINT CASMHELDH2H1LN17SYSTERMCASMHELDH2H1LN18SYSPRINTLINKHELDH2H133LN1	3MESSAGES *H1W81LN14SYSPRINT COMPLOADHELDH2H12LN15SYSPRINT CASMHELDH2H518LN16SYSPRINT CASMHELDH2H1LN17SYSTERMCASMHELDH2H1LN18SYSPRINTLINKHELDH2H133LN1	2 JCL	*	H 1	W 32 L N1	
4 SYSPRINT COMPLOAD HELD H 2 H 12 L N1 5 SYSPRINT C ASM HELD H 2 H 518 L N1 6 SYSPRINT C ASM HELD H 2 H 1 L N1 7 SYSTERM C ASM HELD H 2 H 1 L N1 8 SYSPRINT LINK HELD H 2 H 133 L N1	4 SYSPRINT COMPOBJ HELD H 2 H 12 L N1 5 SYSPRINT C ASM HELD H 2 H 21 L N1 6 SYSPRINT C ASM HELD H 2 H 1 L N1 7 SYSTERM C ASM HELD H 2 H 1 L N1 8 SYSPRINT LINK HELD H 2 H 133 L N1	3 MESSAGES	*	H 1	W 81 L N1	
5 SYSPRINT COMPLOAD HELD H 2 H 21 L N1 6 SYSPRINT C ASM HELD H 2 H 518 L N1 7 SYSTERM C ASM HELD H 2 H 1 L N1 8 SYSPRINT LINK HELD H 2 H 133 L N1	6 SYSPRINT COMPLOAD HELD H 2 H 21 L N1 6 SYSPRINT C ASM HELD H 2 H 518 L N1 7 SYSTERM C ASM HELD H 2 H 1 L N1 8 SYSPRINT LINK HELD H 2 H 133 L N1 1 N1 1 N1 1 N1 1 N1 2 N1	4 SYSPRINI	COMPOBJ	HELD H 2	H 12 L N1	
SYSPRINT L HSM HELD H 2 H 1 L N1 7 SYSPERM C ASM HELD H 2 H 133 L N1 8 SYSPRINT LINK HELD H 2 H 133 L N1	- 7 SYSPRINT C ASM HELD H 2 H 11 L N1 - 7 SYSPRINT LINK HELD H 2 H 133 L N1 - 8 SYSPRINT LINK HELD H 2 H 133 L N1	5 SYSPRINI	COMPLOAD	HELD H 2	H 21 L N1	
A SYSPRINT LINK HELD H 2 H 1 L NI A SYSPRINT LINK HELD H 2 H 133 L N1	_ 7 SYSTERM C HSM HELD H 2 H 1 L NI _ 8 SYSPRINT LINK HELD H 2 H 133 L N1	- 6 SYSPRINI	C ASM	HELD H 2	H 518 L NI	
_ & SYSPRINI LINK HELD H 2 H 133 L NI	_ & SYSPRINT LINK HELD H 2 H 133 L NI			HELD H 2		
		- 8 STSPRINT	LINK	HELD H Z	H I33 L NI	
	ugust 10, 2015 What's New in IOF 8F	gust 10, 2015		What's New in IOF 8F		(

As you can see, the displays are virtually identical. One more SWAP will take us back to the *Archived Job Summary*.

Session A <u>F</u> ile <u>E</u> dit	A - Dalla <u>V</u> iew	as-P-Fisc-M4.ws - [43 x	x 80] ctions <u>W</u> indow <u>H</u> el	p								- 0 ×
COMM	AND	===> EDI	T	Archi 10	ved Job S E Job Sum	umma maru	ry		s	CROLL	===>	CSR
JOE		MEJOBID		6RAN/R	ECEIVED	015		 	DEST-			OW
RC-		GM	-STEP	-PRSTEP	-PROC	-COM	MENTS					
	I	EBCOPY	COMPOBJ									
Ο	I	EBCOPY	COMPLOAD									
0	A:	SMA90	C	ASM	DEMOASM							
U	1		LINK -STED	-DDOTED	- 8707-007					>T		
	1		-31EP	-PRSIEP	-SIHI-HUI	-с-с н		31ZE-		51		
	2	JCI	*			н	1 W	32				
	3	MESSAGES	ж		Sel	н	1 W	81	L N1			
	4	SYSPRINT	COMPOBJ		HELD	н	2 H	12	L N1			
		SYSPRINT	COMPLOAD		HELD	н	2 H	21	L N1			
		SYSPRINT	С	ASM	HELD	н	2 H	518	L N1			
		SYSTERM	С	ASM	HELD	н	2 H	1	L N1			
	8	SYSPRINT	LINK		HELD	н	2 H	133	L N1			
August 10,	A 2015				What's New in IOF 8	BF						02/01

Here we are again on the *Archive Job Summary*. To demonstrate that we have archived the entire original input job, we will enter the EDIT primary command just as we would on a normal *IOF Job Summary* panel.

Session A - Dallas-P-Fisc-M4.ws - [43 x 80]	
Eile Edit View Communication Actions Window Help File Edit Folit Edit Settinger Menu Utilities Compilers	Toot Help
	<u>rest <u>H</u>etp</u>
EDIT Archived Job MAKEDEMO(J004166)	Columns 00001 00072
Command ===>	Scroll ===> PAGE
***** ********************************	*****
=NOTE	
=NUTE= SHVE - SHVE I U A NEW SYSUUT CREATE -	NORMAL EDIT CREATE
ADDOL SUBALL SUBALL SUBALL SUBALL SUBALL SUBALL	NORTHE EBIT REFERCE
000002 //PROC JCLLIB ORDER=(IOFDEMO.DEMO.PROCLIB)	
000003 //COMPOBJ EXEC PGM=IEBCOPY, PARM=COMPRESS	
000004 //SYSPRINT DD SYSOUT=H	
000005 //SYSUT1 DD DSN=IOFDEMO.DEMO.OBJ,DISP=SHR	
000006 //SYSUT2 DD DSN=IOFDEMO.DEMO.OBJ,DISP=SHR	
000008 //COMPLASS EVEC REMETERCORY DARM=COMPDESS	
000009 //SYSPRINT DD SYSUUT=H	
000010 //SYSUT1 DD DSN=IOFDEMO.DEMO.LOAD,DISP=SHR	
000011 //SYSUT2 DD DSN=IOFDEM0.DEM0.LOAD,DISP=SHR	
000012 //SYSIN DD DUMMY	
000013 //ASM EXEC DEMOASM,MEDEMO	
000014 //C.SYSIN DD DSN=IUFDEMU.DEMU.ASM(DEMU),DISP=SHR	
000016 //DEMODELL DE DENELLOEDEMO DEMO OBLI DISPESHR	RHODE-24, COMPAT-ERED
000017 //SYSLMOD DD DISP=SHR, DSN=IOFDEMO.DEMO.LOAD	
000018 //SYSPRINT DD SYSOUT=H	
000019 //SYSLIN DD *	
000020 INCLUDE DEMOOBJ (DEMO)	
000021 NAME LEMPNAMB(R)	
	` <i>~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ </i>
<u> · · · · · · · · · · · · · · · · · ·</u>	<u> </u>
M <u>A</u> A	04/015
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As you can see, we are now in ISPF edit for the original input job. Think how useful it can be to go back and see the actual input job for an archived job. We will just return to the *Archive Job Summary*.

Session A	- Dalla	s-P-Fisc-M4.ws - [43 x	: 80]											
e <u>E</u> dit <u>\</u>	<u>V</u> iew	Communication Ac	tions <u>W</u> indow <u>H</u> el	p									 	
сомма		===>		Archi	ved Job S	umn	nary-				80	POL	 	SD
		/		TO		$m \Rightarrow r$						RUL	->	,3K
108		1E10B1D-			FCEIVED	man	- <u>-</u> na\	/		- חו	-12		 	0
MAK	EDE	EMO J00410	66 OUTPU	r 16:17	7/28/2	015	S TUE	ESD	AY	N:	1			I
RC-	PC	3M	-STEP	-PRSTEP	-PROC	-cc	OMME	VTS						
	IE	EBCOPY	COMPOBJ											
	ΙE	EBCOPY	COMPLOAD											
	A\$	SMA90	С	ASM	DEMOASM									
	ΙE	EWL	LINK											
		DDNAME	-STEP	-PRSTEP	-STAT-ACT	-c-	-GRP-	-D-	SIZE	- U-	-DES	т		
		LOG				Н		ω	23	L	N 1			
		JCL				Н		М	32	L	N 1			
	3	MESSAGES	*		Sel	Н	1	W	81	L	N1			
	4	SYSPRINT	COMPOBJ		HELD	H	2	Н	12		N1			
	5	SYSPRINT	COMPLOAD	0.014	HELD	H	2	H	21	L	N1			
	6	SYSPRINT		HSM	HELD	H	2	H	518		NI			
	6	STSTERM		HSM	HELD	H	2		1 2 2		N 1			
aust 10, 2	A				What's New in IOF	9 E		•						

I hope we have been able to show you just how simple it is to manually archive jobs and review them with IOF/JAMS.

Session A - D	allas-P-Fisc-M4.ws - [43 x 80]
ile <u>E</u> dit <u>V</u> iev	v <u>C</u> ommunication <u>A</u> ctions <u>W</u> indow <u>H</u> elp
<u>F</u> ile	<u>E</u> dit E <u>d</u> it_Settings <u>M</u> enu <u>U</u> tilities <u>C</u> ompilers <u>T</u> est <u>H</u> elp
VIEW	IOFDEMO.DEMO.CNTL(IOFARCME) - 01.01 Columns 00001 0007
Command	Scroll ===> CS
*****	**************************************
==MSG>	-Warning- The UNDU command is not available until you change
==m5G2	your edit profile using the command RECOVERY UN.
000100	These are sevel, ish store that we incented at the and of ish-
000200	These are sample job steps that we inserted at the end of jobs
000210	that assemble for source modules as they are checked back in to
000220	the master tibrarg.
000300	
0000310	
000330	
0000000	
000500	
000610	
000620	
000630	
000700	//ARCHME_EXEC_LOFARCME.CATEGORY=LOF8E
000710	
000720	
000801	
000810	These are sample job steps that you might insert to archive
000820	your SMPE jobs for each release.
000840	
000850	
000860	
000870	
000880	//ARCHME EXEC IOFARCME,CATEGORY=SMPE21
000891	
000892	
000893	
000894	
000895	77ARCHME EXEC IOFARCME, CATEGORY=SMPE22
000896	
000900	*****
*****	**************************************
A A	
ugust 10, 2015	What's New in IOF 8F

However, in practice, many users may prefer to archive their jobs automatically. The best way to illustrate this is to show you how we use this capability in IOF development. Since we are archiving to z/OS data sets, there's no reason that a job can't archive itself by adding a simple archive step at the end of the job. This screen shows some simple archival steps that we have used in IOF development.

When a developer checks out a source member from a master library, he may compile it many times as it is changed and tested. But when the member is checked back into the master library, a special compile is done that represents the new master source member. That is accomplished with generated batch jobs, and we added a new step to the end of those jobs similar to the ones shown here.

The first example was used during development of IOF Release 8E. The second example was used during the development of 8F. We will show how useful this can be. The examples at the bottom demonstrate how you might use a similar scheme to organize your various system build jobs.

Now, we will take a look at how handy it can be to have these jobs organized.



This is a normal *IOF Job List*. We will enter the ARC primary command again to look at archived jobs.

```
_ 🗆 💌 🗙
Session A - Dallas-P-Fisc-M4.ws - [43 x 80]
<u>File Edit View Communication Actions Window Help</u>
                          ____
                                  Select Archived Jobs to be Reviewed
 COMMAND ===>
                HELP - Display info about this panel
   The Prefix, Category, and Suffix fields must match those specified when
   when the jobs were archived.
                                                            Generic job name (limits initial list)
(Only single trailing "*" supported)
(Refine list further on list panel)
 Jobname ===> getlist
 Prefix
             ===> IOFDEMO
                                                            Prefix for archive data set names
             ===> iof8e
                                                            Generic job category (prefix extension)
(blank => No category level in dsnames)
(see HELP for generic rules)
 Catg
                                                            Suffix for archive data set names
(blank => No suffix level in dsnames)
 Suffix ===> IOFJOB
MA
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                                                      What's New in IOF 8F
```

This is the interface panel for reviewing archived jobs. It has remembered our prefix and suffix from previous usage.

We want to find all of the compilations that were done for the source member GETLIST during the development for IOF 8E. So, we will enter "getlist" in the job name field and "iof8e" in the category field.



Here is a list of the compile jobs for the GETLIST source member for IOF 8E. We could select and review any of those jobs, but for the purposes of this demo, we will just return to the interface menu.



Now, we want to see the GETLIST compile jobs for IOF release 8F. We will enter "getlist" in the job name field and "iof8f" in the category field.



Now, we see all of the GETLIST compiles for IOF Release 8F. We will return to the interface panel.



To see all of the jobs for both 8E and 8F, we will enter "getlist" in the job name field and "iof8*" in the category field.

r							
B Session A - Da	llas-P-Fisc-M4.ws - [43 x 80]					
<u>File Edit View</u>	<u>Communication</u>	Actions Window	<u>H</u> elp				
COMMAND	===>_	Archived	Jobs: F	Prefi	×(IOFDEMO)	Suffix(IOFJOB) - Scr	Row 1 of 5 oll ===> <mark>PAGE</mark>
S	ORT - Tog	gle sort	(jobname	e/dat	e) HELP	- Info about dis	play
Scope	row bel	ow - Disp (bas ow - Over	lays max ed on yo	cimum our i	scope for nput parms	<pre>each display col , which limit the the current list</pre>	umn total list)
TILLE	TOW DEC	00 00 EI	tgpe ite	-tus	to renine	the current tist	
Act-	-Category	-Jobname-	-Year-Mo	-Day	-Time run-	-Weekday	-
Scope ->	IOF8*	GETLIST	* *	*	*	*	
Filter->	IOF8*	GETLIST	* *	*	*	*	
_	TOFRE	GETLIST	2015 07	28	16:07:00	Luesday	
_	TOF8E	GETLIST	2015 0	28	16:07:00	Luesday	
—	TOF8F	GETLIST	2015 07	28	16:08:00	Tuesday	
I —	TOFRE	GETLIST	2015 0	28	16:08:00	luesday	
<u> </u>	IUF8F	GEILISI	2015 0	28	16:08:00	Tuesday	
MA A				What	s New in IOE 8E		02/015
				windl			31

Here we can see all of the GETLIST jobs for both IOF 8E and IOF 8F. A similar application would be to archive all of your SMPE jobs for z/OS 2.1 with a category of SMPE21 and your 2.2 jobs with a category of SMPE22. Then, you could easily go back at any time in the future and find those jobs.

I hope we have shown you how simple it is to automatically archive your jobs and how useful it can be to organize them into categories.

e Edit	View	Communication	Actions Window	Help			_					
				Archi	ived Job S	umma	ry					
сомм	AND	= = = >								SCROL	$\Box = = = >$	CSR
				IC)F Job Sum	mary						
10	BNA	MEJOBID-	STATUS	SRAN/F	RECEIVED		DAY		- DI	±sı		0
МН РС		-MU J00416				-COM		лнт ?	_ N .	1		
R C		FRCOPY	COMPORT	FROILF	FROG	GON		2				
õ	ÎÌ	EBCOPY	COMPLOAD									
	A:	SMA90	С	ASM	DEMOASM							
	II	EWL	LINK									
		-DDNAME	-STEP	PRSTEP	STAT-ACT	- C - G	RP-D-	SIZE	- U	-DEST		
	1	LOG	*			H	1 W	23	Ļ	N1		
	2	JUL	*			H	1 W	32	Ļ	N 1		
	3	MESSHGES	ж Сомпорт			н	1 W 2 U	12		N L		
	5	SYSPRINT	COMPLOAD		HELD	н	2 H	21	I I	N1		
s	ň	SYSPRINT	C	ASM	HELD	н	2 H	518	Ē	N1		
_	7	SYSTERM	Ĉ	ASM	HELD	н	2 H	1	L	N1		
	8	SYSPRINT	LINK		HELD	н	2 H	133	L	N 1		
	A											17/0

We have returned to an *Archive Job Summary* to discuss some of the IOF/JAMS enhancements for IOF 8F. All of these changes were driven by user requirements. One of the first requirements was to browse the archived sysout data sets with IOF browse instead of ISPF browse or view. Users wanted the same carriage control visual fidelity and other features of IOF browse.

To demonstrate this enhancement we will select a sysout data set from this *Archive Job Summary*.



You can see that this looks a lot like IOF browse. But, that is even more obvious if we scroll down.

G Sexion A- Datas Prior Mass (43 x 80) C - P Page 3 Line 1 Colts 1-80 SCROLL ===>) CURSOR BROUSE = SYSPRINT ASM COMMAND ===> C - P Page 3 Line 1 Colts 1-80 SCROLL ===>) CURSOR Active Usings: None Loc Object Code Addri Addr2 Stmt Source Statement Stract Stract 000000 000000 00489 1 VID STRT 2 PRINT NOGEN 2 BALR R12,0 000000 000000 20 BALR R12,0 000000 R:B 000000 22 USING %R12 000000 R:B 000010 23 Line 10, INITPARM 0000002 1821 000000 23 Line R2, R1 0000002 1821 000000 00038 27 BAL R10, INITPARM Set 0000002 000000 00005 31 DC AL(***) +0 0000000 000000 00005 33 BAL R10, PULLFUNC +0 0000000 000000 000000 000000 55 B VIDLOOP 0000011 47F0 C00A 000000 000000 5										
Diff of Yew Communication Action: Works Help C - Page 3 Line 1 Cols 1-80 SCROLL ===> CURSOR Active Usings: None - Page 3 Line 1 Cols 1-80 SCROLL ===> CURSOR Active Usings: None - Page 3 Line 1 Cols 1-80 SCROLL ===> CURSOR 000000 00000 00000 Page 3 Line 1 Cols 1-80 SCROLL ===> CURSOR 000000 00000 00000 Page 3 Line 1 Cols 1-80 SCROLL ===> CURSOR 000000 00000 00000 Page 3 Line 1 Cols 1-80 SCROLL ===> CURSOR 000000 00000 00000 Page 3 Line 1 Cols 1-80 SCROLL ===> CURSOR 000000 00000 00000 Page 3 Vill State Page 3 Cols 1-80 SCROLL ===> CURSOR 000000 00000 00000 Page 3 VID State Page 3 Cols 1-80 SCROLL ===> CURSOR 000000 Scrool 1 000000 Page 3 Line 1 State 0000002 1821 23 Line 1 State State 0000002 000000 000000 Ball R10, PULLFUNC State State <	避 Session A -	Dallas-P-Fisc-M4.ws - [4	43 x 80]							
BR004SE - SYSPFINT ASM C C - Page 3 Line 1 Cols 1-80 COMMAND SETS _ C - Page 3 Line 1 Cols 1-80 Active Usings: None SCROLL ===> CURSOR SCROLL ===> CURSOR J000000 00000 00000 00489 1 VID START J000000 00000 00000 00489 1 VID START J000000 05C0 20 BALR R12,0 REGISTER J000000 1821 23 USING *R12 Save J000000 4500 0001C 25 BAL R10,GETWRK Save J000000 00000 00001C 25 BAL R10,INITPARM Set J000000 000000 00038 27 BAL R10,PULLFUNC Ho J000010 00000000 31 DC AL4 (*=*) +0 J000011 4560 00056 33 BAL R10,DOFUNC J000018 47F0 CO0A 0000C 35 B VIDLOOP J00 Save J00 J00 J00 J00 J00 J00 J00 J00 J00	<u>File Edit V</u> i	ew <u>C</u> ommunication	Actions W	indow <u>H</u> elp						
Active Usings: None Loc Object Code Addr1 Addr2 Stmt Source Statement 000000 00000 00489 1 VID START 000000 0500 20 BALR R12,0 000000 810 20 BALR R12,0 000000 820 20 BALR R12,0 000000 820 20 USING #RKDSECT,R11 000000 821 00010 25 BAL R10,INITPARM 000000 45A0 C036 00038 27 BAL R10,INITPARM Set 0000010 0000000000 00046 30 DC AL4(*-*) +0 0000010 000000000 000056 33 BAL R10,DULFUNC +0 0000118 47F0 C00A 000000 35 B VIDL00P 0000118 47F0 C00A 000000 35 B VIDL00P	BROWSI	E - SYSPRI ND ===> _	NT AS	М	С	- F	age 3	Li	ne 1 C SCROLL	ols 1-80 ===> CURSOR
Loc Object Code Addr1 Addr2 Stmt Source Statement 000000 00000 00000 00000 1 VID START PRINT NOGEN <	Activ	ve Usings:	None							
000000 00000 00489 1 VID START 000000 0500 0500 20 BALR R12,0 2000002 1821 000002 21 USING *,R12 0000004 45A0 00010 25 BAL R10,GETWRK 0000004 45A0 00010 25 BAL R10,GETWRK 0000004 45A0 00006 00038 27 BAL R10,INITPARM Set 0000010 000000 00046 30 BAL R10,DULLFUNC +0 0000014 45A0 00056 33 BAL R10,DULFUNC +0 0000014 45A0 00056 33 BAL R10,DUPULFUNC +0 0000018 47F0 00006 35 B VIDLOOP E VIDLOOP E VIDLOOP VIDLOOP <th>Loc</th> <th>Object Co</th> <th>de</th> <th>Addr1</th> <th>Addr2</th> <th>Stmt</th> <th>Source</th> <th>State</th> <th>ment</th> <th></th>	Loc	Object Co	de	Addr1	Addr2	Stmt	Source	State	ment	
000000 05C0 R:C 000002 20 BALR R12,0 USING *,R12 DISING WRKDSECT,R11 0000002 1821 23 LR R2,R1 Save 0000004 45A0 C01A 0001C 25 BAL R10,GETWRK 0000004 45A0 C036 00038 27 BAL R10,FULLFUNC 0000000 45A0 C044 00006 29 VIDLOOP EQU * 0000010 000000000 00006 30 BAL R10,DULLFUNC +0 0000014 45A0 C054 00056 33 BAL R10,DOFUNC 0000018 47F0 C00A 00000C 35 B VIDLOOP	000000			00000	00489	1 2	VID	START PRINT	NOGEN	
0000000 05C0 R:C 000002 21 USING R12,0 0000002 1821 23 LR R2,R1 Save 0000004 45A0 C01A 0001C 25 BAL R10,GETWRK 0000004 45A0 C036 00038 27 BAL R10,INITPARM Set 0000002 45A0 C044 00046 30 BAL R10,PULLFUNC A 0000010 00000000 00046 31 DC AL4 (*-*) +0 0000014 45A0 C054 00056 33 BAL R10,DOFUNC 0000018 47F0 C00A 00006C 35 B VIDLOOP						Э		REGIS	TER	
R:C 000002 21 USING *,12 NRKDSECT,R11 0000002 1821 23 LR Rig RC Save 0000004 45A0 C01A 0001C 25 BAL R10,GETWRK 0000002 45A0 C036 00038 27 BAL R10,JNITPARM Set 0000002 45A0 C044 0000C 00046 30 BAL R10,PULLFUNC +0 0000014 45A0 C054 00056 33 BAL R10,DOFUNC +0 0000018 47F0 C00A 00000C 35 B VIDLOOP 20 VIDLOOP 20 X<	000000	0500				20		BALR	R12,0	
R:B 000000 22 USING WRKDSECT,R11 Save 0000002 1821 0001C 25 BAL R10,GETWRK 0000003 45A0 C036 00038 27 BAL R10,JNITPARM Set 0000004 45A0 C044 00006 00046 30 BAL R10,JOFUNC +0 0000014 45A0 C054 00056 33 BAL R10,JOFUNC +0 0000018 47F0 C00A 00000C 35 B VIDLOOP 20 10			R:C	00002		21		USING	*,R12	
000002 1821 23 LR R2,R1 Save 0000004 45A0 C01A 0001C 25 BAL R10,GETWRK 000002 45A0 C036 00038 27 BAL R10,INITPARM Set 00000C 45A0 C044 000046 30 BAL R10,PULLFUNC +0 00000C 45A0 C054 00056 33 BAL R10,DOFUNC +0 0000018 47F0 C00A 0000C 35 B VIDLOOP 000 00000 00000C 35 B VIDLOOP 0000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 00000 +0 +0 0000014 45A0 C054 00056 33 BAL R10,DOFUNC +0 000000 000000 000000 0000000 00000000 000000000 000000000 000000000 0000000000 0000000000 0000000000 0000000000 00000000000 000000000000 0000000000000 00000000000000000000 000000000000000000000000000000000000			R:B	00000		22		USING	WRKDSECT,R11	
0000004 45A0 C01A 0001C 25 BAL R10,GETWRK 000008 45A0 C036 00038 27 BAL R10,INITPARM Set 00000C 45A0 C044 30 DC A14(*-*) +0 000014 45A0 C054 00056 33 BAL R10,DOFUNC 000018 47F0 C00A 0000C 35 B VIDLOOP	000002	1821				23		LR	R2,R1	Save
D000008 45A0 C036 00038 27 BAL R10,INITPARM Set D0000C 45A0 C044 00046 30 BAL R10,PULLFUNC +0 D000014 45A0 C054 00056 33 BAL R10,DOFUNC +0 D000018 47F0 C00A 0000C 35 B VIDL00P 10 10 D000018 47F0 C00A 0000C 35 B VIDL00P 0000F 10 10 D000018 47F0 C00A 0000C 35 B VIDL00P 000F 10	000004	45A0 C01A			0001C	25		BAL	R10,GETWRK	
00000C 45A0 C044 00046 30 BAL R10,PULLFUNC +0 000014 45A0 C054 00056 33 BAL R10,DOFUNC 000018 47F0 C00A 00000C 35 B VIDL00P	000008	45A0 C036			00038	27		BAL	R10, INITPARM	Set
A 00046 30 BAL R10, PULLFUNC D00010 0000000 31 DC AL4 (*-*) +0 D00014 45A0 C054 00056 33 BAL R10, DOFUNC D00018 47F0 C00A 00000 35 B VIDLOOP				00000		29		FOU	*	
A 0000010 000000000 31 DC AL4(*-*) +0 0000014 45A0 C054 00056 33 BAL R10, DOFUNC 0000018 47F0 C00A 00000C 35 B VIDLOOP	ممممح	4560 0044		00000	00046	30	+ I DE 001	RÁI		
0000014 45A0 C054 00056 33 BAL R10, DOFUNC 0000018 47F0 C00A 0000C 35 B VIDL00P	000010	00000000			00040	31		DC	AL4(*-*)	+0 =
0000018 47F0 C00A 000C 35 B VIDLOOP	000014	45A0 C054			00056	33		BAL	R10,DOFUNC	
12 A August 10 215 What's Name in IOE 85	000018	47F0 C00A			0000C	35		в	VIDLOOP	
1A A August 10 215 What's Name in IOE 85										
1 <u>A</u> A August 10 2115 What's Name is IOE 85										
1A A August 10 215 What's New is IOE 85										
1A A 02/01 August 10 205										
1A A 02/01 August 10 205										
10 A August 10 2015 What's New is IOE 85										
10 A August 10 215 What's New is IOE 85										
10 A August 10 215 What's New is IOE 85										
10 A August 10 205 What's New is IOE 85										
10 A August 10, 2015 What's New is IOE 85										
10 A 02/01										
August 10, 2015 What's Now in IOE 85	M <u>A</u> f	ĥ								02/015
Wild Sivew III IUF OF	August 10, 20	15				What's N	ew in IOF 8F			(2

On this slide you can clearly see that IOF browse is honoring the carriage control in the archived sysout data set to display the data just as it would appear on a printer. Now, we will return to the *Archive Job Summary*.

Session A - Dallas-P-Fisc-M4.ws - [43	x 80]	
<u>Eile E</u> dit <u>V</u> iew <u>C</u> ommunication <u>A</u>	ctions <u>W</u> indow <u>H</u> elp	
	Archi	ived Job Summary
COMMAND ===> prt		SCROLL===> CSR
	IC	OF Job Summary
JOBNAMEJOBIC	STATUSRAN/F	RECEIVEDDAYDEST
MAKEDEMO J0041		772872015 TUESDAY N1
RCPGM	-STEPPRSTEP	PRUCCUMMENIS
		DEMOASM
		BEHGHSH
DDNAME	-STEPPRSTEP	STAT-ACT-C-GRP-D-SIZE-U-DEST
1 100	*	H = 1 W = 23 I N1
2 JCL		H 1 W 32 L N1
3 MESSAGES	; *	H 1 W 81 L N1
4 SYSPRINT	COMPOBJ	HELD H 2 H 12 L N1
5 SYSPRINT	COMPLOAD	HELD H 2 H 21 L N1
6 SYSPRINT	C ASM	HELD Sel H 2 H 518 L N1
7 SYSTERM	C ASM	HELD H 2 H 1 L N1
_ 8 SYSPRINT	LINK	HELD H 2 H 133 L N1
A agust 10, 2015		027 What's New in IOF 8F

The original IOF/JAMS allowed you to print individual sysout data sets from the *Archived Job Summary*, but users wanted the ability to print the entire job. To demonstrate that feature we will enter the PRT command



This is a standard IOF SS prompt panel, which means that you can specify virtually any JES2 print characteristics. If we press ENTER on the panel, the entire archived job would be printed using the SS characteristics.

But, we will just return to the Archive Job Summary.

Session A - Dalla	as-P-Fisc-M4.ws - [43 x	: 801								- 0 - X
File Edit View	Communication Ac	tions Window Heli	2							
The Far Tien			Archiv	ved Job S	ummar	·u				
COMMAND	===> cpy					2			CROLL===	> CSR
			IOF	= Job Sum	nary					
JOBNA	MEJOBID-	STATUS	SRAN/RI	ECEIVED		AY		DEST		06
	EMU J00410	-STEB	DDSTED	-PP00	-COMM		нү 			
	FROOPY	COMPOBI	FROILF	FROC	COFIF					
ΘĪ	EBCOPY	COMPLOAD								
0 A	SMA90	С	ASM	DEMOASM						
ΘI	EWL	LINK								
	-DDNAME	-STEP	PRSTEP	-STAT-ACT	-C-GF	P-D-	SIZE-	U-DE	ST	
- <u>1</u>	LOG	ж			H	1 W	23	L N1		
- 2	JUL	*			H	1 W	32			
- 3	SYSPRINT	COMPOBJ		HELD	н	2 H	12			
5	SYSPRINT	COMPLOAD		HELD	н	2 H	21	L N1		
_ 6	SYSPRINT	С	ASM	HELD Sel	н	2 H	518	L N1		
	SYSTERM	С	ASM	HELD	н	2 H		L N1		
	SYSPRINT	LINK		HELD	Н	2 H	133	L N1		
										02101
					-					02701
				tather block in IOC						

Users also said they had the need to ship off jobs to other vendors, so they needed the ability to copy the entire archived job into a sequential data set. To demonstrate that feature we will enter the CPY command.



This is a standard IOF SD prompt panel for writing data to a sequential data set. There is a suggested data set name, but you can overtype that name. If we press ENTER on the panel, the entire archived job would be copied to the sequential data set specified on the SD panel.

But, we will just return to the Archive Job Summary.

Session	A - Da	llas-P-Fise-M4 ws - 14	43 x 801							-					_ 0 <u>_ x</u>
File Edit	View	Communication	Actions Window	Help	-			_		-					
	-			Archi	ved Jo	ob S	umm	ary							
COMM	AND	= = = >				-						SCF	80 L L =	= = >	CSR
				10 2BON/B	F JOD FCFIVI	Sumi	mar 	y -· - ΠΔΥ							
MAI	KED	EMO J00416	56 OUTPU	$\Gamma = 16:17$	7/3	28/2	015	TUI	ESE)AY	N	_31 [
RC	P	GM	-STEP	-PRSTEP	-PROC		-co	MME	NT S	3					
0	I	EBCOPY	COMPOBJ												
0	, T	EBCOPY	COMPLOAD	ACM	DEMO	ACM.									
0	T	FWI		нап	DENO	Hari									
		-DDNAME	-STEP	-PRSTEP	-STAT	ACT	- C -	GRP	- D -	SIZE	- U -	DEST			
	1	LOG	*				н	1	Ы	23	L	N 1			
	2	JCL					H	1	W	32	Ŀ	N 1			
	3	MESSAGES	* COMBORT				н	1	W	81		N1			
	5	SYSPRINT	COMPLOAD		HELD		н	2	н	21	i i	N1			
	6	SYSPRINT	C	ASM	HELD	Sel	н	2	н	518	Ľ	N1			
	7	SYSTERM	С	ASM	HELD		н	2	н	1	L	N 1			
	8	SYSPRINT	LINK		HELD		Н	2	Н	133	L	N 1			
	0														
	A														02701
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Users also wanted the ability to email the entire job directly. The new SND command provides that support, but we will not demonstrate it here.

From what we have covered so far, it should be clear that IOF now has the ability to browse z/OS data sets. The archived sysouts are just members of an archive data set. Due to the very general design of the IOF browse interface, we have always known that it would not be difficult to use it to browse z/OS data sets. But before IOF/JAMS, there was never a major motivation to do that.

To implement the browsing of archived data sets, IOF 8F has an entirely new function designed to deal with z/OS data sets. It started out just browsing data sets, but other major functions were so easy to do that it expanded into a very general utility. The new ZDS command is described in a separate document.

So, IOF/JAMS is a very powerful archival system that is easy to use without help from tech support. And there are many new enhancements for 8F.