

## (E)JES vs. SDSF Executive Summary

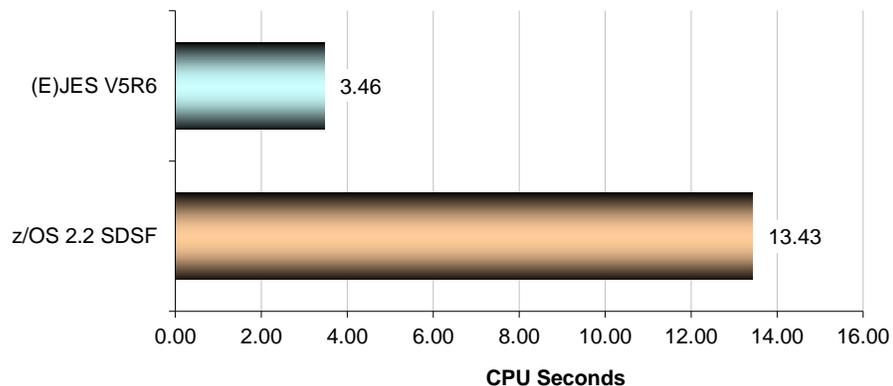
A major insurance company, a major government agency, and a major oil company all switched from SDSF to (E)JES without looking back. Why? Because (E)JES has superior functionality and uses resources more efficiently. Companies not making the switch are not realizing the potential of some of their most significant expenses—people, hardware and software.

In this summary, we will focus on just four areas where (E)JES excels when compared to SDSF: productivity, performance, security, and modernization – all areas in which (E)JES excels when compared to SDSF.

**Productivity:** (E)JES is more compliant with standard ISPF behaviors than SDSF. The user experience is smooth and consistent—free of idiosyncrasies. It requires fewer keystrokes to operate, provides answers more quickly, can be used to send reports via email or FTP, integrates with IBM Knowledge Center for message lookup, and teaches end users about z/OS as they use the product via adaptive pop-up help. (E)JES end user documentation is thorough, easy to understand, and accessible through IBM Knowledge Center. SDSF does not even provide an end user manual.

**Performance:** One of the reasons (E)JES provides answers more quickly than SDSF is because it runs faster; much faster. It's zHPF-enabled I/O driver delivers measurably superior SPOOL access performance and (E)JES typically requires only a fraction of the CPU time needed by SDSF to perform common query functions, such as displaying output on the JES2 Hold or Output queues. And, nearly 100% of the CPU time required for such queries can be offloaded to zIIP processors, a ubiquitous technology in modern environments.

The test below was run on an idle 2965-D03. The Output display was refreshed 50 times in five-second intervals. The test was run without the benefit of zIIP offload.



**Security:** Many SDSF customers still use ISFPARMS – an arcane security paradigm that relies primarily upon strict adherence to job naming conventions rather than modern SAF resource ownership concepts. This makes transitioning to SAF-based SPOOL security difficult. With SDSF, you cannot use SAF and ISFPARMS security at the same time. The need for an all-or-nothing, overnight conversion is one reason so many SDSF customers are “stuck” using ISFPARMS.

(E)JES provides non-SAF internal security constructs that are similar to ISFPARMS in principle, but they are designed with SAF security concepts in mind. In typical customer configurations, (E)JES internal security enforces SAF ownership rules – even when SAF calls are not actually made. Best of all, there is no all-or-nothing approach. (E)JES internal security is intended to be used in conjunction with SAF-based SPOOL security.

ISFPARMS are easily converted to (E)JES internal security and one reason customers switch to (E)JES from SDSF is to simplify their SAF-based SPOOL migration path.

**Modernization:** Today's customer wants modern browser-based access to z/OS resources. Unfortunately, many purveyors of products in this space offer "dumbed down" solutions and SDSF is no exception. Its web-based solution, which is accessed under z/OSMF, is extremely limited in function, performs quite poorly, and is difficult to use. By contrast, (E)JES Web supports nearly all functions available to (E)JES 3270 users as well as many unique features of its own, such as PDF creation from browsed sysout. (E)JES Web performance is nearly indistinguishable from 3270 performance and even "power users" are finding significant value with it.

JobName	JobID	Status	Queue	AMbr	CurSt	SName	JP	Pos	WPos	MaxComp	Records	
HKCSVR1	S0202154	ACTIVE	EXEC	SA0		1 STEP1	15				0	
SMFDUMP	S0202153	QUEUED	PRINT					1	2K	CC 0000	72	
NETTESTR	S0202152	ACTIVE	EXEC	SA0							0	
EJESCS30	S0202151	ACTIVE	EXEC	S70							0	
EJESCS30	S0202150	ACTIVE	EXEC	SA0							0	
EJESCS40	S0202148	ACTIVE	EXEC	SA0							0	
EJESCS40	S0202149	ACTIVE	EXEC	S70							0	
EJESCS50	S0202147	ACTIVE	EXEC	S70							0	
EJESCS50	S0202146	ACTIVE	EXEC	SA0							0	
EJESCAS	S0202144	ACTIVE	EXEC	SA0							0	
EJESCAS	S0202145	ACTIVE	EXEC	S70							0	
STOPDFS	S0202143	QUEUED	PRINT								49	
EDGXPROC	S0202142	QUEUED	PRINT								68	
IEAVTSZR	S0202141	QUEUED	PRINT								178	
SMFDUMP	S0202140	QUEUED	PRINT							2K	CC 0000	76
NETTESTR	S0202139	QUEUED	PRINT							2K	CC 0000	88
EJESCS30	S0202137	QUEUED	PRINT							2K	CC 0000	72
EJESCS30	S0202138	QUEUED	PRINT							2K	CC 0000	72
EJESCS40	S0202136	QUEUED	PRINT							2K	CC 0000	71
EJESCS40	S0202135	QUEUED	PRINT							2K	CC 0000	71
EJESCS50	S0202134	QUEUED	PRINT							2K	CC 0000	71
EJESCS50	S0202133	QUEUED	PRINT							2K	CC 0000	71
EJESCAS	S0202131	QUEUED	PRINT							2K	CC 0000	114

Phoenix Software International invests countless development man hours implementing the latest cost-saving technologies and features into (E)JES. Our willingness to consistently take this leadership role on behalf of our customers should be an important factor when deciding which company really has its customers' best interests in mind.



**PHOENIX** Software International®

Phoenix Software International, Inc.®

831 Parkview Drive North

El Segundo, California 90245-4932

1-(310)-338-0400

<http://www.phoenixsoftware.com>

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