

Startup Parameters S-Z

The startup parameter descriptions are listed in alphabetical order by their names. This part covers the range **S-Z**.

Note:

Elements in italics (e.g. *name*) denotes a variable that must be replaced by a real value, for example, a name.

SATSKEL-BEGIN

Operating System	Type	Default
BS2000/OSD	Optional	None

This keyword is used without any value. It indicates the beginning of the job control skeleton for the System Automation Tools (Natural subtasks) starting on the next line. As long as the parser does not find SATSKEL-END, it will interpret everything as job control skeleton. See also the SATSKEL-END parameter.

For more information about Natural subtasks, see the subsection Aspects of Running System Automation Tools in Entire System Server in Section BS2000/OSD Considerations of the Entire System Server Administration Documentation.

SATSKEL-END

Operating System	Type	Default
BS2000/OSD	Optional	None

This keyword is used without any value. It indicates the end of the job control skeleton for the System Automation Tools (Natural subtasks). See also the SATSKEL-BEGIN parameter.

For more information about Natural subtasks, see the subsection Aspects of Running System Automation Tools in Entire System Server in the Section BS2000/OSD Considerations of the Entire System Server Administration Documentation.

SDF

Operating System	Type	Default
BS2000/OSD	Optional	NO

Specifies if SDF syntax is to be used for internal commands. If YES is specified, all JCL-related startup parameters must contain SDF syntax. Possible options:

Option	Explanation
YES	SDF syntax is to be used.
NO	Default. ISP syntax is to be used.

SECURITY

Operating System	Type	Default
OS/390, VSE/ESA, BS2000/OSD	Optional	NONE

The security system in use. The options are:

Option	Explanation
NONE	No security system is used.
BS2	User ID, password are checked against TIAM user ID definitions in BS2000/OSD (TSOSJOIN).
RACF	RACF, ACF2 or TOP-SECRET security is used. For details, see the subsection Setting Up RACF Security for Operator Commands on OS/390 in the Section OS/390 Considerations.
RACX	RACF is installed but no logon is done. Normal security exits are invoked.
USER	Available in BS2000/OSD only: Example exit USERLSEC must be modified to solve security considerations at your site.

SERVER-DYN

Operating System	Type	Default
VSE/ESA, BS2000/OSD	Optional	NO

Specifies if Dynamic Server Management has to be activated. This value can be changed dynamically via operator command.

For more details see the subsection Dynamic Server Management for Entire System Server in the Section Common Entire System Server Features.

Option	Explanation
YES	Dynamic Server Management is enabled at startup time.
NO	Dynamic Server Management is disabled at startup time.

SERVER-MAX

Operating System	Type	Default
BS2000/OSD	Optional	16
VSE/ESA	Optional	n

Specifies the maximum number of SERVER tasks/subtasks running in Entire System Server. This value is considered by the Dynamic Server Management as maximum capacity for a high workload. For more details see the subsection Dynamic Server Management for Entire System Server in the Section Common Entire System Server Features.

For BS2000/OSD, the following rule applies:

$1 \leq \text{SERVER-MAX} \leq 16$ $\text{SERVER-MIN} \leq \text{NUMTASK} \leq \text{SERVER-MAX}$
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For VSE/ESA, the following rule applies:

$1 \leq \text{SERVER-MAX} \leq n$ $\text{SERVER-MIN} \leq \text{NUMTASK} \leq \text{SERVER-MAX}$

For VSE/ESA, "n" is calculated as follows:

29 - 1 if VTAMACB=YES - 1 if SPOOLACB=YES - NATNUMSUB.

SERVER-MIN

Operating System	Type	Default
BS2000/OSD	Optional	1
VSE/ESA	Optional	1

Specifies the minimum number of SERVER tasks/subtasks running in Entire System Server. This value is considered by the Dynamic Server Management as minimum capacity for a low workload. For more details see the subsection Dynamic Server Management for Entire System Server in the Section Common Entire System Server Features.

For BS2000/OSD, the following rule applies:

$1 \leq \text{SERVER-MIN} \leq 16$ $\text{SERVER-MIN} \leq \text{NUMTASK} \leq \text{SERVER-MAX}$
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SERVER-NONACT

Operating System	Type	Default
BS2000/OSD	Optional	10
VSE/ESA	Optional	10

SERVER non-activity time (in minutes). This value is considered by the Dynamic Server Management only. If a SERVER has not been dispatched during this time interval, and no active request is assigned to that server, and SERVER-MIN is lower than the number of SERVERs currently active, this Server will be stopped.

This value must be greater than zero.

For more details see the subsection Dynamic Server Management for Entire System Server in the Section Common Entire System Server Features.

SERVER-QUEUE-DEPTH

Operating System	Type	Default
BS2000/OSD	Optional	5
VSE/ESA	Optional	5

SERVER queue depth. This value is considered by the Dynamic Server Management only. If a new request (user command) arrives, and the number of assigned requests to the SERVER with the lowest workload is greater or equal this value, and SERVER-MAX is higher than the number of SERVERs currently active, a new SERVER will be started to handle that request.

This value must be greater than zero.

For more details see the subsection Dynamic Server Management for Entire System Server in the Section Common Entire System Server Features.

Note: This parameter is not currently used under VSE/ESA but will be in a future release.

SHUTDOWN-MAX-DELAY

Operating System	Type	Default
BS2000/OSD	Optional	0
OS/390	Optional	<< tbd >
VSE/ESA	Optional	<< tbd >

Maximum wait time after issuing ESY shutdown until a smooth stop of running Natural subtasks (in seconds) occurs. This value is considered only if Natural subtasks are running at shutdown time.

This value must not be greater than 600 seconds.

For more information about Natural subtasks, see the subsection Aspects of Running System Automation Tools in Entire System Server on BS2000/OSD in the Section BS2000/OSD Considerations.

SMFREC

Operating System	Type	Default
OS/390	Optional	0

The record type of the SMF record to be written when a user logs off. This record contains the number of I/O operations performed, and the amount of CPU consumed by the user. See also the subsection OS/390 Accounting in the Section OS/390 Considerations. Possible options:

Option	Explanation
<i>type</i>	Record type of the SMF record to be written when a user logs off.
0	No SMF records are written.

SMFTIME

Operating System	Type	Default
OS/390, VSE/ESA	Optional	2

Value is in minutes. Under OS/390, controls the interval in which SMF records are written. Under VSE/ESA, controls the interval in which the Dynamic Server Management checks for server non-activity.

SMTP-HOST

Operating System	Type	Default	Maximum Value Length
OS/390, VSE/ESA	Optional	There is no default.	24 bytes
BS2000/OSD	Optional	There is no default.	120 bytes

Specifies the host name used as mail gateway. This is a DNS name. SEND-EMAIL view cannot work without specifying a valid value for this startup parameter. Contact your mail administrator to determine this host name.

For more information about E-Mail administration, see the subsection Run E-Mail Client in Common Entire System Server Features in the Entire System Server Administration Documentation.

SMTP-PORT

Operating System	Type	Default
OS/390, VSE/ESA, BS2000/OSD	Optional	25

The SMTP port number used on the mail gateway. SEND-EMAIL view cannot work without specifying a valid value for this startup parameter. Contact your mail administrator to determine this port number.

For more information about E-Mail administration, see the subsection Run E-Mail Client in Common Entire System Server Features in the Entire System Server Administration Documentation.

SPOOL

Operating System	Type	Default
OS/390, VSE/ESA	Optional	NONE
BS2000/OSD	Optional	BS2

Specifies the spooling system in use. The possible values are:

Option	Explanation
NONE	No SPOOL interface (default on OS/390, VSE/ESA)
JES2	OS/390 JES2 all versions.
JES3	OS/390 JES3 all versions. See also the subsection OS/390 Common JES Interface in Section OS/390 Considerations.
POWR	POWER (VSE/ESA only)
BS2	BS2000/OSD Spool (BS2000/OSD only)

Note:

The parameter APPLCOPY=COMMON is no longer required with JES 2.

SPOOLACB

Operating System	Type	Default
OS/390, VSE/ESA	Optional	NONE

This parameter must be set if you are using Entire Output Management and want to print from Entire Output Management to a VTAM printer.

Possible options:

Option	Explanation
<i>name</i>	Name of the VTAMACB.
NONE	The Entire Output Management printing facility is not activated

STDUSER

Operating System	Type	Default
OS/390, VSE/ESA, BS2000/OSD	Optional	There is no default.

System Server who are calling from a non-mainframe Natural (VMS, UNIX, Windows, OS/2).

SUBSYS

Operating System	Type	Default
OS/390, VSE/ESA	Optional	There is no default.

This parameter is used internally and specifies the name of any subsystem. For the value of *name*, see the installation instructions of the relevant subsystem.

SWAP

Operating System	Type	Default
OS/390	Optional	NO

Specifies whether Entire System Server address space is swappable. The default value (NO) is recommended. Possible options:

Option	Explanation
YES	Address space is swappable.
NO	Address space is marked non-swappable during initialization.

SYNCDB

Operating System	Type	Default
OS/390, VSE/ESA, BS2000/OSD	Optional	NONE (no synchronization)

This parameter synchronizes the start of Entire System Server with databases. You can specify the DBIDs of databases, which **must** be ready if you want to start Entire System Server. This is important for products like NOP, NOM, NCL . *n*, *m*, ..., *k* are DBIDs. If the database **not ready**, there is a wait of *nnn* seconds to synchronize start. See also description of startup parameter SYNCTIME, below.

SYNCTIME

Operating System	Type	Default
OS/390, VSE/ESA, BS2000/OSD	Optional	0

If you have specified DBIDs with the parameter SYNCDB, the parameter SYNCTIME gives the time in seconds to wait between synchronization retries. If the fifth retry still does not succeed, Entire System Server comes down. If SYNCDB=NONE, SYNCTIME parameter is ignored. See also description of startup parameter SYNCDB, above.

SYSTEMCONS

Operating System	Type	Default
OS/390	Optional	NONE

This parameter indicates the system names where Entire System Server should collect console messages (e.g., SYSTEMCONS=DAEF, DA2F, ABCD). In this case, we collect console messages from the 3 systems indicated.

TAPES

Operating System	Type	Default
OS/390, VSE/ESA, BS2000/OSD	Optional	NO

Specifies whether your site allows access to mounted tapes from any Natural session.

Option	Explanation
YES	Access to mounted tapes allowed.
NO	Access to mounted tapes not allowed.

TCP-STACK

Operating System	Type	Default	Maximum Value Length
OS/390, VSE/ESA	Optional	There is no default.	8 bytes

This parameter specifies the name of the started task or job in which the TCP/IP protocol stack is running. SEND-EMAIL view cannot work without specifying a valid value for this startup parameter. Contact your network administrator to determine this name.

Note for OS/390:

If an invalid value has been specified as TCP-STACK, the SEND-EMAIL requests produce error message *ESY5897 Mailer response: errno 1011 in EZASMI INITAPI* as ERROR-TEXT reporting errno 1011 (EIBMBADTCPNAME).

Note for VSE/ESA:

Currently this value is ignored by the TCP/IP stack products, however it may be required in future releases.

For more information about E-Mail administration, see the subsection Run E-Mail Client in Common Entire System Server Features in the Entire System Server Administration Documentation.

TEMPUNIT

Operating System	Type	Default
OS/390	Optional	VIO

The unit name to be used when an Entire System Server request for allocation of a temporary data set is made (for example, SYSDA).

TIME

Operating System	Type	Default
OS/390, VSE/ESA, BS2000/OSD	Optional	30

Timeout value for Entire System Server calls in seconds. This parameter is used to prevent a command queue element and attached buffer from being held for a long period for a user who has terminated abnormally.

This parameter is the equivalent to the Adabas CT parameter.

TRACE

Operating System	Type	Default
BS2000/OSD, OS/390, VSE/ESA	Optional	PREP

Specifies how to set up the TRACE environment.

Option	Explanation
NO	TRACE environment is completely deactivated.
PREP	TRACE environment will be initialized, but not started yet.
YES	TRACE environment will be activated at ESY startup.

If the YES or PREP option is specified, the TRACE activity can be manipulated via operator command to start or stop traces dynamically.

For more details, see the subsection Creating Trace Data in the Entire System Server in the Section Common Entire System Server Features.

TRACE-LEN

Operating System	Type	Default
BS2000/OSD, OS/390, VSE/ESA	Optional	8

Specifies the size of the TRACE memory pool (in Kbytes). This value is considered only if TRACE=YES or TRACE=PREP has been defined.

For more details, see the subsection Creating Trace Data in the Entire System Server in the Section Common Entire System Server Features.

TRACE-SAV

Operating System	Type	Default
BS2000/OSD, OS/390, VSE/ESA	Optional	YES

TRACE-SAV control the TRACE save routine at exit.

Option	Explanation
YES	TRACE data buffers will be saved.
NO	TRACE data buffers will not be saved.

For more details, see the subsection Creating Trace Data in the Entire System Server in the Section Common Entire System Server Features.

UEX4

Operating System	Type	Default
OS/390, VSE/ESA, BS2000/OSD	Optional	There is no default.

Name of user exit. Linkage conventions are compatible with the Adabas USEREXIT4.

VIEWSEC

Operating System	Type	Default
BS2000/OSD	Optional	NONE

The name of the view security exit to limit usage of views to a list of user IDs. A sample exit named USERVSEC is supplied as source member on the installation tape. Possible options:

Option	Explanation
<i>name</i>	Name of the view security exit. Example exit USERVSEC must be modified to solve the security considerations at your site.
NONE	Default. View security exit is not activated.

VSAMLABELS

Operating System	Type	Default
VSE/ESA	Optional	YES

This parameter controls processing of VSAM files at Entire System Server initialization time in combination with the parameter NUMLIBS.

VTAMACB

Operating System	Type	Default
OS/390, VSE/ESA	Optional	NONE

The name of the VTAM application to be used for the VTAM operator interface as it appears in the ACBNAME parameter in the VTAM APPL statement.

Possible options:

Option	Explanation
<i>name</i>	Name of the VTAM application in the ACBNAME parameter.
NONE	The VTAM interface is not activated.

VTAMQLEN

Operating System	Type	Default
OS/390, VSE/ESA	Optional	100

The maximum size (in K bytes) of the in-core queue for pending VTAM messages. If this queue size is reached, the oldest half of the queue is deleted.