

Fujitsu Software BS2000 SECOS

Version 5.6B

June 2025



Release Notice

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1 General

*7 This Release Notice is a summary of the major extensions, dependencies and operating information with respect to SECOS V5.6B under the BS2000 operating system.

*7 The release level is that of June 2025.

Changes to release level June 2021 are marked with *1
 Changes to release level November 2021 are marked with *2
 Changes to release level June 2022 are marked with *3
 Changes to release level November 2022 are marked with *4
 Changes to release level June 2023 are marked with *5
 Changes to release level June 2024 are marked with *6
 Changes to release level November 2024 are marked with *7

This and the other current Release Notices are available online at <https://bs2manuals.ts.fujitsu.com/>.

If one or more previous versions are skipped when this product version is used, the information from the Release Notices (and README files) of the previous versions must also be considered.

The SECOS (Security Control System) software product extends the basic configuration with security functions for user operation, thus allowing secure operation.

SRPM (System Resources and Privileges Management):

- Supports enhanced identification and authentication of users
- Combines individual users into user groups with shared access rights
- Decentralizes system administration over various user IDs (distribution of privileges)

GUARDS (Generally Usable Access control Administration System):

- The GUARDS subsystem enables access protection for various BS2000 objects. GUARDS provides special containers (guards) in which the desired protection mechanisms are entered.

The following object administrations support GUARDS:

DVS: for files, storage classes
 LMS: for library elements
 HSMS: for HSMS management classes
 JVS: for job variables
 FITC: for FITC ports
 SRPM: for group assignments, terminal sets, access classes

- Guards can be backed up and restored with the GUARDS-SAVE utility.

GUARDCOO (Co-owner Protection):

User-specific definition of co-owners for files, libraries and job variables through rule containers. Access to objects by TSOS can be explicitly restricted through settings in the co-owner rules and the protection attributes of the catalogue entry. The GUARDCOO subsystem implements the co-owner protection.

GUARDDEF (Default Protection):

Pubset-global and user-specific definition of the default values of protection attributes for files and job variables through rule containers. This component is implemented via the subsystem GUARDDEF.

SAT (Security Audit Trail):

- Logging security-relevant events and reporting particular situations via alarm messages on the console with the SATCP subsystem.

- Logged data is analysed with the SATUT utility.

SSO (Single Sign On)

SECOS-KRB is the interface for handling Kerberos authentication in BS2000

1.1 Ordering

- *7 SECOS V5.6B can be order from your local distributors.

1.2 Delivery

The SECOS files are supply via SOLIS.

- *7 The following delivery components are part of the SECOS V5.6**B00**:
 - GUARDCOO 5.6A00
 - GURADDEF 5.6A00
 - *4 - GUARDS 5.6A31
 - GUARDS-SAVE 5.6A00
 - *7 - SATCP 5.6**B00**
 - *4 - SATUT 5.6A31
 - *7 - SECOS 5.6**B00**
 - *2 - SECOS-KRB 5.6A20
 - *7 - SRPMOPT 5.6**B00**

1.2.1 GUARDCOO

The following delivery components are required regardless of the HSI:

SIPLIB.GUARDCOO.056	Library with privileged interfaces
SYSLIB.GUARDCOO.056	Macro library
SYSMES.GUARDCOO.056	Message file
SYSRMS.GUARDCOO.056	Loader delivery set
SYSSDF.GUARDCOO.056	Subsystem syntax file
SYSSII.GUARDCOO.056	Structure information
SYSSSC.GUARDCOO.056	Subsystem declaration

The following delivery components are only required on /390 Servers:

SYSLNK.GUARDCOO.056	Dynamic load library
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The following delivery components are only required on x86 Servers:

SKMLNK.GUARDCOO.056	Dynamic load library
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1.2.2 GUARDDEF

The following delivery components are required regardless of the HSI:

SIPLIB.GUARDDEF.056	Library with privileged interfaces
SYSLIB.GUARDDEF.056	Macro library
SYSMES.GUARDDEF.056	Message file
SYSRMS.GUARDDEF.056	Loader delivery set
SYSSDF.GUARDDEF.056	Subsystem syntax file
SYSSII.GUARDDEF.056	Structure information
SYSSSC.GUARDDEF.056	Subsystem declaration

The following delivery components are only required on /390 Servers:

SYSLNK.GUARDDEF.056	Dynamic load library
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The following delivery components are only required on x86 Servers:

SKMLNK.GUARDDEF.056

Dynamic load library

1.2.3 GUARDS

The following delivery components are required regardless of the HSI:

SIPLIB.GUARDS.056	Library with privileged interfaces
SYSLIB.GUARDS.056	Macro library
SYMES.GUARDS.056	Message file
YSRMS.GUARDS.056	Loader delivery set
SYSSDF.GUARDS.056	Subsystem syntax file
SYSSII.GUARDS.056	Structure information
SYSSSC.GUARDS.056	Subsystem declaration
SYSSSI.GUARDS.056	Information file

The following delivery components are only required on /390 Servers:

SYSLNK.GUARDS.056	Dynamic load library
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The following delivery components are only required on x86 Servers:

SKMLNK.GUARDS.056	Dynamic load library
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1.2.4 GUARDS-SAVE

The following delivery components are required regardless of the HSI:

SYSLNK.GUARDS-SAVE.056	Dynamic load library
SYSPRG.GUARDS-SAVE.056	Program GUARDS-SAVE
YSRMS.GUARDS-SAVE.056	Loader delivery set
SYSSDF.GUARDS-SAVE.056	Subsystem syntax file
SYSSII.GUARDS-SAVE.056	Structure information

1.2.5 SATCP

The following delivery components are required regardless of the HSI:

SIPLIB.SATCP.056	Library with privileged interfaces
SYSENT.SATCP.056	Saving of audit attributes
SYMES.SATCP.056	Message file
YSRMS.SATCP.056	Loader delivery set
SYSSDF.SATCP.056	Subsystem syntax file
SYSSII.SATCP.056	Structure information
SYSSSC.SATCP.056	Subsystem declaration

The following delivery components are only required on /390 Servers:

SYSLNK.SATCP.056	Dynamic load library
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The following delivery components are only required on x86 Servers:

SKMLNK.SATCP.056	Dynamic load library
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1.2.6 SATUT

The following delivery components are required regardless of the HSI:

SYSLNK.SATUT.056	Dynamic load library
SYMES.SATUT.056	Message file
YSRMS.SATUT.056	Loader delivery set
SYSSDF.SATUT.056	Subsystem syntax file
SYSSII.SATUT.056	Structure information

1.2.7 SECOS

The following delivery components are required regardless of the HSI:

SYSPRC.SECOS.056	Library with sample procedures
SYSSII.SECOS.056	Structure information

1.2.8 SECOS-KRB

The following delivery components are required regardless of the HSI:

SIPLIB.SECOS-KRB.056	Library with privileged interfaces
SYSDOC.SECOS-KRB.056.OSS	License -text of SECOS
SYSLNK.SECOS-KRB.056.CONVKTAB	Module to convert Keytab files
SYSTEMS.SECOS-KRB.056	Message file
SYSRMS.SECOS-KRB.056	Loader delivery set
SYSPRC.SECOS-KRB.056.CONVKTAB	Procedure CONVKTAB
SYSSDF.SECOS-KRB.056	Subsystem syntax file
SYSSII.SECOS-KRB.056	Structure information
SYSSSC.SECOS-KRB.056	Subsystem declaration

The following delivery components are only required on /390 Servers:

SYSLNK.SECOS-KRB.056	Dynamic load library
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The following delivery components are only required on x86 Servers:

SKMLNK.SECOS-KRB.056	Dynamic load library
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1.2.9 SRPMOPT

The following delivery components are required regardless of the HSI:

SIPLIB.SRPMOPT.056	Library with privileged interfaces
SYSLIB.SRPMOPT.056	Macro library
SYSTEMS.SRPMOPT.056	Message file
SYSRMS.SRPMOPT.056	Loader delivery set
SYSSDF.SRPMOPT.056	Subsystem syntax file
SYSSII.SRPMOPT.056	Structure information
SYSSSC.SRPMOPT.056	Subsystem declaration
SYSSSI.SRPMOPT.056	Information file

The following delivery components are only required on /390 Servers:

SYSLNK.SRPMOPT.056	Dynamic load library
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The following delivery components are only required on x86 Servers:

SKMLNK.SRPMOPT.056	Dynamic load library
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The current file and volume characteristics are list in the SOLIS2 delivery cover letter.

1.3 Documentation

The documentation is available in the form of online manuals at <https://bs2manuals.ts.fujitsu.com>

2 Software extensions

*7 2.1 Extensions of Service Pack SP 25.1 (SECOS V5.6B00)

- *7 - Checking the minimal length and the complexity of a password has been enabled also for „long“ passwords (9 to 32 characters).

2.2 Extensions of Service Pack SP 24.2 (SECOS V5.6A33)

- *6 A new field 'Waiting for PUBSET' added to SATCP command SHOW-SAT-STATUS.

2.3 Extensions of Service Pack SP 23.1 (SECOS V5.6A31)

- *4 /MODIFY-GUARD-ATTRIBUTES SCOPE=*UNCHANGED does not change SCOPE anymore.

2.4 Extensions of Service Pack SP 22.2 (SECOS V5.6A30)

- *3 /MOD-LOG-PROT now observes INITIAL-LIFETIME=*EXPIRED even for passwords with LIFETIME=*UNLIMITED

2.5 Extensions of Service Pack SP 22.1 (SECOS V5.6A20)

- *2 • SECOS-KRB: Extended tracing functionality.
- *2 • SATCP: Shared Pubsets are rejected as SATLOG target.

2.6 Extensions of Service Pack SP 21.2 (SECOS V5.6A10)

- *1 • Default allocation size for SATLOG has been changed to (1002,1002)
- *1 • The functionality of the /CHANGE-SAT-FILE command has been extended with the possibility to select any available pubset for storing a SATLOG file.
- *1

2.7 Extension of SECOS V5.6A

The extensions and improvements over the previous version SECOS V5.5A are described in the following section.

SECOS V5.6A is supported as of BS2000 OS DX V1.0

2.7.1 Extensions of SATUT V5.6A

- A new SAT0013 message has been added, which is displayed when the SAT is in HOLD status and saturation of the slot pool has occurred.
- The SAT event UCK for illegal users outputs STATION and PROCNAM

2.7.2 Extensions of SRMOPT V5.6A

4 new commands are implemented with which the guided dialog for the corresponding MODIFY command is started.

- EDIT-LOGON-DEFAULTS
- EDIT-LOGON-PROTECTION
- EDIT-TERMINAL-SET
- EDIT-USER-GROUP

3 Technical information

3.1 Resource requirements

*7 The following system memory is required for running SECOS V5.6B:

Virtual address space:

- approx. 1 MB static
- less than 1 MB dynamic

The virtual address space is depending on the number of users and groups, the defined alarm and filter conditions and the selected buffer size.

Static disk storage space:

- less than 10 MB

Dynamic disk storage space:

- variable

The dynamic disk storage is depending on the number and length of guards, number of users and groups, number of Pubsets and from the events and user IDs selected for logging.

3.2 Software configuration

*7 You must note the following when using SECOS V5.6B:

- The computers in a network must have matching environments. This means particularly that the same version of SECOS must be running on all computers. If this is not the case, this can result in differing behaviour for the objects of a shared pubset in terms of standard protection, co-ownership protection and TSOS restriction, and possibly access problems on guards (STDAC), depending on the SECOS version on the master computer.
- Some SATUT functions require the functionality of SORT. The product SORT is not supply with the SAT analysis program but must be available to be able to execute such SATUT functions.
- Single Sign On with Kerberos is verified with current versions of Windows servers.

To use the following functions of SECOS, there are specific version dependencies with the listed products:

- Converts the Keytab output file of ktpass command:
Requires SDF-P Product.

*7 - Minimum length and complexity check:
Requires Service Pack Version 25.1

3.3 Product installation

The installation of the product SECOS with the installation monitor IMON is mandatory.

However, SECOS must not be activate with IMON during running operation.

You must follow the information concerning installation in the delivery cover letter and in the product documentation.

The necessary inputs and the sequence of the installation are described in the IMON documentation.

You will find further information on installation in the manuals System installation and Introduction to system support of BS2000.

3.4 Product use

- *7 Before the first use of SECOS V5.6B, the subsystem information files (SYSSSI.SRPMOPT.056 and SYSSSI.GUARDS.056) should be adapted if custom settings of the options have been made in a previous version.

3.5 Discontinued functions (and those to be discontinued)

- *3 The sample procedures in library SYSPRC.SECOS.056 are terminated:
 *3 - DO.FT.ALL.SATLOGS
 *3 - DO.FT.ONE.SATLOG

3.6 Incompatibilities

- *1 The unused option to select a private volume has been removed from the /CHANGE-SAT-FILE command.

3.7 Restrictions

No restrictions.

3.8 Procedure in the event of errors

If an error occurs, the following error documentation will be required for diagnostic purposes:

- A detailed description of the error condition, indicating whether and how the error can be reproduced.
- The error must be report to the appropriate service provider.
- SYSLST of the session
- Conslog file
- SYSREP.BS2.xxx
- SYSREP.SRPMNUC.xxx
- SYSREP.<Secos delivery component>.056
- SYSSSI.SRPMOPT.056
- SYS.SATLOG.datum.sessionnr. file
- SYS.SERSLOG.datum.sessionnr. file
- SYSPAR.SAT file, if problems occurred with the SAT parameter file
- SAT logging settings
- Dump, if it occurred
- backup of the Guards catalogue
- backup of the user catalogue

4 Hardware requirements

- *7 SECOS V5.6B runs on all BS2000 business servers supported by BS2000 as of OS DX V1.0.