

BS2000/OSD-BC V6.0B Software Configuration

Summary of New Features compared to BS2000/OSD-BC V5.0

As of November 2005, the V6.0B supplement version is being shipped in case of new BS2000/OSD-BC V6.0 orders. The following overview shows the SWK version migrations that are necessary migrating from BS2000/OSD-BC V5.0 to BS2000/OSD-BC V6.0B. The table includes all the SWK products for which a new version has been released as part of the support for BS2000/OSD-BC V6.0A and/or V6.0B or for Unicode, as well as a brief summary of the new functions provided by the respective product. Also listed are those software products that can only be used in combination with BS2000/OSD-BC V6.0B in a newer version than that was released for BS2000/OSD-BC V5.0. Thus, the entire version-dependent software configuration is presented in this document.

Release dates statements: All SWK products for which a new version has been released in order to support BS2000/OSD-BC V6.0A were released for shipment simultaneously with BS2000/OSD-BC V6.0A on December 21, 2004. For the other SWK products the release date is mentioned explicitly.

As a number of new versions of the system support software products have to be used with BS2000/OSD-BC V6.0, it is recommended that, wherever possible, new versions are introduced under BS2000/OSD-BC V5.0 first.

Table extract – presentation format:

BS2000/OSD-BC	V5.0	V6.0B	New function in the version for BS2000/OSD-BC V6.0B
ARCHIVE	V6.0/ V7.0A/V7.0B V8.0A/V8.0B	V7.0B/ V8.0A/ V8.0B	<ul style="list-style-type: none"> ■ Support for large tape blocks, max. 256KB (with BS2000/OSD-BC V6.0A) Note: V7.0B was released with CP 2/04 in November 2004. ARCHIVE V8.0 ■ Smaller Request Packets for Save ■ V8.0B: Asynchronous I/Os -> Parallel disk access via PAV (performance) Note: V8.0B was released with CP 2/06 in November 2006

The new ARCHIVE versions (as of V7.0B) are available for BS2000/OSD-BC V6.0B

The new ARCHIVE versions (as of V7.0B) can be used in BS2000/OSD-BC V5.0 with those new functions that are not BS2000/OSD-BC V6.0-specific

The new ARCHIVE versions (as of V7.0B) provide these new functions in BS2000/OSD-BC V6.0B

Note on OSD/XC for SX servers:

The SWK product versions for BS2000/OSD-BC V6.0B are also valid for OSD/XC V2.0/V2.1. OSD/XC V2.0/V2.1 is the BS2000/OSD-BC V6.0B-based operating system package for the SX servers.

The SWK product versions for BS2000/OSD-BC V5.0 (except VM2000) are also valid for OSD/XC V1.0/V1.1/V1.2. OSD/XC V1.0/V1.1/V1.2 is the BS2000/OSD-BC V5.0-based operating system package for the SX servers.

BS2000/OSD-BC	V5.0	V6.0B	New function in the version for BS2000/OSD-BC V6.0B
AID	V3.1/V3.2	V3.1/V3.2	AID V3.2 <ul style="list-style-type: none"> ■ Unicode support ■ Debugging of objects generated with COBOL2000 V1.4 Note: V3.2 was released in November 2006
ARCHIVE	V6.0/ V7.0A/V7.0B/ V8.0A/V8.0B	V7.0B/ V8.0A V8.0B	ARCHIVE V7.0B <ul style="list-style-type: none"> ■ Support for large tape blocks, max. 256KB (with BS2000/OSD-BC V6.0A) Note: V7.0B was released with CP 2/04 in November 2004. ARCHIVE V8.0 <ul style="list-style-type: none"> ■ Smaller Request Packets for Save ■ Asynchronous I/Os -> Parallel disk access via PAV (performance) Note: V8.0B was released with CP 2/06 in November 2006
COBOL2000	V1.3	V1.3/V1.4	COBOL2000 V1.4 <ul style="list-style-type: none"> ■ Unicode support Note: V1.4 was released in November 2006
COSMOS	V14.0	V15.0	<ul style="list-style-type: none"> ■ Update to conform to BS2000/OSD-BC V6.0A, e.g. support for new lock structures (technically linked product)
CRTE	V2.4/V2.5	V2.4/V2.5/ V2.6	CRTE V2.6 <ul style="list-style-type: none"> ■ COBOL2000 V1.4 runtime system support Note: V2.6 was released in November 2006.
DAB	V8.0	V9.0	<ul style="list-style-type: none"> ■ Adjustment/use of data spaces on SX servers (systems with SPARC64 architecture) ■ Support for file encryption: decrypted buffering of encrypted files
DRV	V2.2/V3.0C/V3.1	V3.0C/ V3.1	DRV V3.0 <ul style="list-style-type: none"> ■ Online data migration of CKD disks D3490-xx, D34211, D3475 to FBA disks in D3435 format ■ V3.0B: Resizing of disks together with SPACEOPT V3.0 ■ V3.0C: Online data migration with target disk connected to FC channel of the S server Note: V3.0C was released with CP 1/05 in May 2005. DRV V3.1 <ul style="list-style-type: none"> ■ Support for the OSD-BC V6.0B “extra large” catalog format within the DRV migration tool Note: V3.1 was released with CP 2/05 in November 2005.
EDT	V16.6	V16.6/ V17.0	EDT V17.0 <ul style="list-style-type: none"> ■ Unicode support Note: V17.0 is planned to be released in September 2007
ESQL-COBOL	V2.0	V2.0/V3.0	ESQL-COBOL V3.0 <ul style="list-style-type: none"> ■ Unicode support Note: V3.0 was released in December 2006
FDDRL	V14.0	V15.0/ V16.0	FDDRL V15.0 <ul style="list-style-type: none"> ■ Support for 4-byte MNs ■ Support for large tape blocks, max. 256KB FDDRL V16.0 <ul style="list-style-type: none"> ■ Backup of multiple disks to one tape set ■ Multiplexing: simultaneous backup of 2 disks to 1 tape set ■ RELOAD PUBSET: Automated pubset recovery Note: V16.0 was released in December 2006.
FDDRL-OS	V14.0	V15.0/ V16.0	<ul style="list-style-type: none"> ■ Technically linked to FDDRL
FHS	V8.2	V8.2/V8.3	FHS V8.3 <ul style="list-style-type: none"> ■ Unicode support Note: V8.3 was released in December 2006

BS2000/OSD-BC	V5.0	V6.0B	New function in the version for BS2000/OSD-BC V6.0B
HIPLEX AF	V3.0/V3.2B	V3.2B	<ul style="list-style-type: none"> ■ Live Monitor to support HIPLEX-MSCF V4.0 in failure detection and the safeguarding of cluster consistency ■ Autoswap: Automatic switchover to SDRF mirror for scheduled Symmetrix outage ■ V3.2B: Automatic FibreCAT switching with MirrorView Note: V3.2B was released with CP 2/05 in November 2005.
HIPLEX MSCF	V3.0/V4.0	V4.0	<ul style="list-style-type: none"> ■ Faster / more reliable failure detection in combination with HIPLEX-AF V3.2
HSMS	V6.0/V7.0/V8.0/V8.0B	V7.0/V8.0/V8.0B	HSMS V7.0 <ul style="list-style-type: none"> ■ Support for large tape blocks, max. 256KB (implicitly via ARCHIVE V7.0B, with OSD-BC V6.0A) ■ CCOPY tuning (Step 1 with OSD-BC V6.0A, Step 2 with OSD-BC V6.0B) ■ BCV backup in the shared pubset cluster also on the slave (with OSD-BC V6.0B) Note: V7.0 was released in December 2003. HSMS V8.0 <ul style="list-style-type: none"> ■ Smaller Request Packets for Save ■ RESTORE-NODE-FILE tuning ■ Fast path for COPY-NODE-FILE ■ Enhanced ARCHIVE -> HSMS migration in LTO operation ■ Asynchronous I/Os -> Parallel disk access via PAV (performance) Note: V8.0B was released with CP 2/06 in November 2006
IFG	V8.1	V8.1/V8.3	IFG V8.3 <ul style="list-style-type: none"> ■ Unicode support Note: V8.3 was released in December 2006
JV	V13.0/V14.0C	V14.0C	BS2000/OSD-BC V6.0 requires JV as of V14.0B <ul style="list-style-type: none"> ■ Alias Catalog Service (ACS) for JVs (with OSD-BC V6.0A) ■ New /COPY-JV command ■ Instant checking of a JV condition with WAIT-EVENT ■ V14.0C: 6 digits JV numbers (for OSD-BC V6.0B catalog expansion) ■ V14.0C: Enhanced wildcard support for SHOW-JV-ATTRIBUTES / DELETE-JV Note: V14.0C was released with CP 2/05 in November 2005..
MAREN	V9.0/V10.0/V11.0	V10.0/V11.0	MAREN V10.0 <ul style="list-style-type: none"> ■ 4-byte MN for tape devices (with OSD-BC V6.0A) ■ SDF-P variable for SHOW functions ■ Performance improvement ■ Domain concept: Resource demarcation (segregation) per system MAREN V11.0 <ul style="list-style-type: none"> ■ Parameter changes effective immediately ■ Changing exits during online operation ■ MAREN executable without TSOS ■ Volume groups Note: V11.0 is planned to be released in March 2007.
openFT	V8.0/V9.0/V10.0	V8.0/V9.0/V10.0	openFT V10.0 <ul style="list-style-type: none"> ■ Unicode support (with OSD-BC V6.0B) ■ Support for the ftp protocol ■ Unix-compatible command line interface under BS2000 Posix ■ Standardized messages and return codes across all platforms Note: V10.0 is planned to be released in March 2007.

BS2000/OSD-BC	V5.0	V6.0B	New function in the version for BS2000/OSD-BC V6.0B
<i>openNet Server</i>	V2.0/V3.0/V3.1/ V3.2	V3.0/V3.1/ V3.2	<p><i>openNet Server V3.0</i></p> <ul style="list-style-type: none"> ■ Support for IPSec (Internet Protocol Security) ■ BCAM as DSSM subsystem (load, swap, dynamic load during operation) ■ SAT (Security Audit Trail) entries for all communication transport interfaces ■ Performance improvements for connection setup and cleardown <p>Note: V3.0 was released in June 2003.</p> <p><i>openNet Server V3.1</i></p> <ul style="list-style-type: none"> ■ DNS connection in BCAM ■ Multihoming support in SOCKETS-BS2000 ■ Support for RSC-EC mechanism (direct communication between BCAM and X2000) ■ System exit enhancements in BCAM ■ Various administration topics ■ Performance measures in L4 <p>Note: V3.1 was released in August 2005.</p> <p><i>openNet Server V3.2</i></p> <ul style="list-style-type: none"> ■ VLAN support in BCAM ■ Unicode support (XHCS V2.0, only OSD-BC V6.0B) <p>Note: V3.2 was released in November 2006.</p>
<i>openSM2</i>	SM2 V14.0	V6.0B	<ul style="list-style-type: none"> ■ Update to conform to BS2000/OSD-BC V6.0A, e.g. support for new lock structures (technically linked product) ■ Pubset usage (how many GB are already reserved) ■ Support also for IPv6 connections as part of the TCP-IP measurement program ■ CPU pools as part of the VM2000 measurement program (starting with VM2000 V8.0A) ■ The product SM2 has been renamed <i>openSM2</i> for BS2000/OSDBC V6.0A; the SM2R1-PC and SM2ONLINE-PC programs have been renamed ANALYZER and INSPECTOR respectively. ■ V6.0B: Recording of RSC IOs ■ V6.0B: Support for NK-ISAM pools in data spaces (monitoring of an ISAM pool through specification of its file name, with OSD-BC V6.0B) ■ V6.0B: Recording of data relating to VM groups (VM2000 V8.0) ■ V6.0B: Recording and display of meta volumes for Symmetrix (with SHC-OSD V5.0) <p>Note: V6.0B was released with CP 2/05 in November 2005.</p>
<i>openUTM</i>	V5.1/V5.2	V5.2	<ul style="list-style-type: none"> ■ Update to conform to BS2000/OSD-BC V6.0A (TPR parts of <i>openUTM</i>) ■ Improved encryption between client and server (selectable key length) ■ Extension of XML support ■ Extensions to support BeanTransactions <p>Note: V5.2 was released in April 2004.</p>
PCS	V2.6	V2.7	<ul style="list-style-type: none"> ■ Update to conform to BS2000/OSD-BC V6.0A (technically linked product)
PERCON	V2.7	V2.8/V2.9	<p>PERCON V2.8</p> <ul style="list-style-type: none"> ■ Support for large tape blocks, max. 256KB <p>PERCON V2.9</p> <ul style="list-style-type: none"> ■ Unicode support <p>Note: V2.9 is being released in January 2007.</p>
PROP-TPM	V2.2/V3.0	V3.0	<ul style="list-style-type: none"> ■ 4-byte MN for tape devices (with OSD-BC V6.0A)
RFA	V14.0	V15.0	<ul style="list-style-type: none"> ■ Update to conform to BS2000/OSD-BC V6.0A (technically linked product)

BS2000/OSD-BC	V5.0	V6.0B	New function in the version for BS2000/OSD-BC V6.0B
ROBAR	V4.0/V5.0/V6.0	V5.0/V6.0	<p>ROBAR V5.0</p> <ul style="list-style-type: none"> ■ 4-byte MN for tape devices (with OSD-BC V6.0A) ■ Prefetch for CentricStor ■ Support for the Scalar i2000 library system with SCSI connection (connected to S servers running OSD-BC V6.0A) <p>Note: V5.0 was released in January 2005.</p> <p>ROBAR V6.0</p> <ul style="list-style-type: none"> ■ Support for LTO-3, SCALAR i500 (with OSD-BC V6.0B only) <p>Note: V6.0 is being released in January 2007.</p>
SCA	V14.0	V15.0B	<ul style="list-style-type: none"> ■ Update to conform to BS2000/OSD-BC V6.0A (technically linked product) ■ V15.0B: Support for the OSD-BC V6.0B “extra large” catalog format <p>Note: V15.0B was released with CP 2/05 in November 2005.</p>
SHC-OSD	V4.0/V5.0/V6.0	V5.0/V6.0	<p>SHC-OSD V5.0</p> <ul style="list-style-type: none"> ■ SRDF: Source/Target Swapping ■ Concurrent SRDF / Switched SRDF ■ Multi-BCV / Concurrent BCV ■ SRDF/A ■ Support for the OSD-BC V6.0B “extra large” catalog format <p>SHC-OSD V6.0</p> <ul style="list-style-type: none"> ■ Support for TimeFinder Snap and TimeFinder Clone ■ Rounding-off of SRDF-A <p>Note: V6.0 was released in December 2006.</p>
SECOS	V4.0/V5.0/V5.1	V5.0/V5.1	<p>SECOS V5.0</p> <ul style="list-style-type: none"> ■ Enterprise-wide Single Sign On with Kerberos ■ Connection to enterprise-wide security audit trail eTrustAudit from CA <p>Note: V5.0 was released in August 2004.</p> <p>SECOS V5.1</p> <ul style="list-style-type: none"> ■ Application-specific KERBEROS authentication, supported by OMNIS-MENU V3.4 <p>Note: V5.1 was released in October 2005.</p>
SESAM/SQL	V3.1/V3.2/V4.0	V3.1/V3.2/V4.0/V5.0	<p>SESAM/SQL V5.0</p> <ul style="list-style-type: none"> ■ Unicode support <p>Note: V5.0 was released in December 2006</p>
SORT	V7.8	V7.8/V7.9	<p>SORT V7.9</p> <ul style="list-style-type: none"> ■ Unicode support <p>Note: V7.9 is being released in January 2007.</p>
SPACEOPT	V2.0	V3.0B	<ul style="list-style-type: none"> ■ Reorganization of open files ■ Resizing of disks in combination with DRV V3.0B ■ V3.0B: Support for the OSD-BC V6.0B “extra large” catalog format <p>Note: V3.0B was released with CP 2/05 in November 2005.</p>
TASKDATE	V14.0	V15.0	<ul style="list-style-type: none"> ■ Update to conform to BS2000/OSD-BC V6.0A (technically linked product)

BS2000/OSD-BC	V5.0	V6.0B	New function in the version for BS2000/OSD-BC V6.0B
VM2000	V7.0/V7.5/V8.0	V7.0/V7.5/ V8.0/V9.0	<p>VM2000 V7.0 already supports BS2000/OSD-BC V6.0B as a guest system (on S servers). Note: V7.0 was released in April 2002.</p> <p>VM2000 V7.5 already supports BS2000/OSD-BC V6.0B as a guest system (on SX servers SX100-A/B, SX130, SX140). Note: V7.5 was released in January 2003.</p> <p>VM2000 V8.0 (for S servers and SX servers):</p> <ul style="list-style-type: none"> ■ Affinity-based VM scheduling (formation of CPU pools, dedicated CPUs: Assignment of virtual to real CPUs) ■ VM groups ■ BS2000/OSD-BC V6.0B as monitor system ■ Support for SX100-C, SX150, dynamic Reconfiguration, CoD for SX150 (under OSD-BC V6.0A) <p>Note: V8.0 was released in March 2005.</p> <p>VM2000 V9.0</p> <ul style="list-style-type: none"> ■ OSD-BC V6.0+V7.0 as monitor system, guest systems as of OSD-BC V5.0 ■ Device assignment for pubsets ■ Complete support for large configurations <p>Note: V9.0 is planned to be released in May 2007.</p>