# Quick Reference:
## Configuration Parameters in the onconfig.std File

IBM® Informix® Version 12.10.xC4
GI13-2099-01

See the **onconfig Portal** in the *IBM Informix Administrator's Reference* for links to full parameter descriptions: https://ibm.biz/Bdx8Fk

Send comments or suggestions to docinf@us.ibm.com.

Version numbers in brackets show when the parameter was added to or updated in the onconfig.std file: 11.5, 11.7, or 12.1. Values that are preset in the onconfig.std file are in green.

## ► Root Dbspace

| | |
|---|---|
| ROOTNAME | rootdbs # Name of the root dbspace. |
| ROOTPATH | $INFORMIXDIR/tmp/demo_on.rootdbs (UNIX) # Path for device containing the root dbspace. |
| ROOTOFFSET | 0 # Root-dbspace offset, in KB. |
| ROOTSIZE | 300000 # Size in KB of root dbspace. |
| MIRROR | 0 # Disable (0) or enable (1) mirroring. |
| MIRRORPATH | $INFORMIXDIR/tmp/demo_on.root_mirror (UNIX) # Path of the mirrored root dbspace. |
| MIRROROFFSET | 0 # Offset in KB into mirrored device. |

## ► Physical Log

| | |
|---|---|
| PHYSFILE | 50000 # Physical-log file size in KB. |
| PLOG_OVERFLOW_PATH | $INFORMIXDIR/tmp (UNIX) # Path for extra physical-log files. |
| PHYSBUFF | 128 # Size in KB of the 2 physical-log buffers. |

## ► Logical Log

| | |
|---|---|
| LOGFILES | 6 # Number of logical-log files created during disk initialization. |
| LOGSIZE | 10000 # Size in KB of each logical log. |
| DYNAMIC_LOGS | 2 # Dynamic log allocation is automatic (2), disabled (0), or manual (1). |
| LOGBUFF | 64 # Size in KB of the logical-log buffer. |

## ► Long Transaction Rollback

| | |
|---|---|
| LTXHWM | 70 # % of logical log filled that triggers a long-transaction check. |
| LTXEHWM | 80 # % of filled log space that gives a transaction in rollback exclusive access to the logical log. |

## ► Server Message File

| | |
|---|---|
| MSGPATH | $INFORMIXDIR/tmp/online.log (UNIX) online.log (Windows) # Path to message-log file. |
| CONSOLE | $INFORMIXDIR/tmp/online.con (UNIX) online.con (Windows) # Path to console-message file. |

## ► Tblspace

| | |
|---|---|
| TBLTBLFIRST | 0 # Handle first extent size automatically (0), or the size of the first extent in KB. |
| TBLTBLNEXT | 0 # Handle next extent size automatically (0), or the size of the next extent in KB. |
| TBLSPACE_STATS | 1 # Enable (1) or disable (0) tblspace statistics. |

## ► Temporary Dbspaces and Sbspaces

| | |
|---|---|
| DBSPACETEMP | # Comma-separated dbspaces used to store temporary tables and other objects. |
| SBSPACETEMP | # Comma-separated sbspaces used to store temporary tables for smart large objects. |

## ► Dbspaces and Sbspaces

| | |
|---|---|
| SBSPACENAME | # Default sbspace for storing smart large objects. |
| SYSSBSPACENAME | # Default sbspace for system statistics storage. |
| ONDBSPACEDOWN | 2 # Action when a disabling event occurs on a primary chunk within a noncritical dbspace. Write chunk status to the logs and wait for user input (2), mark the dbspace as offline and continue (0), or abort (1). |

## ► System

| | |
|---|---|
| SERVERNUM | 0 # Unique ID of the server instance. 0-255. |
| DBSERVERNAME | # Name of the default database server. |
| DBSERVERALIASES | # Up to 32 alternate server names, separated by commas. |
| FULL_DISK_INIT | 0 # Cannot (0) or can (1) initialize disk space for an existing dbspace with the **oninit –I** command. [11.7] |

## ► Network

| | |
|---|---|
| NETTYPE | ipcshm,1,50,CPU (UNIX) # Configure poll threads for a specific protocol. |
| LISTEN_TIMEOUT | 60 # Seconds the server waits for a connection. |
| MAX_INCOMPLETE_CONNECTIONS | 1024 # Max number of incomplete connections in a session before a denial of service error is logged. |
| FASTPOLL | 1 # Enable (1) or disable (0) fast polling. |
| NUMFDSERVERS (UNIX only) | 4 # Max number of poll threads to handle network connections migrating between VPs (1-50). [11.7] |
| NS_CACHE | host=900,service=900,user=900,group=900 # Max retention time in seconds for cache entries. Disable (0). [11.7] |

## ► CPU and Virtual Processors

| | |
|---|---|
| MULTIPROCESSOR | 0 # Specify the computer has a single processor (0) or multiple processors or multi-core chips (1). |
| VPCLASS | cpu,num=1,noage (UNIX) cpu,num=1 (Windows) # Configure virtual processors. |
| VP_MEMORY_CACHE_KB | 0 # CPU VP private memory blocks in KB that the server can access. Disable (0). 800 KB to 40% of SHMTOTAL value. |
| SINGLE_CPU_VP | 0 # Run with multiple (0) or only one (1) CPU virtual processor. |

## ► Automatic Tuning

| | |
|---|---|
| AUTO_TUNE | 1 # Default value for other AUTO configuration parameters that are not set. Enable (1) or disable (0) auto tuning. [12.1] |
| AUTO_LRU_TUNING | # Enable (1) or disable (0) automatic tuning of LRU queues. [11.7] |
| AUTO_AIOVPS | # Enable (1) or disable (0) auto-management of AIO VPs. [11.7] |
| AUTO_CKPTS | # Enable (1) or disable (0) automatic checkpoints. [11.1] |
| AUTO_REPREPARE | # Enable (1) or disable (0) automatically reoptimizing stored procedures and repreparing prepared statements when referenced tables change. [11.1] |
| AUTO_STAT_MODE | # Enable (1) or disable (0) automatic statistics update. [11.7] |
| AUTO_READAHEAD | # Automatic read-ahead mode is standard (1), disabled (0), or aggressive (2). To change the automatic readahead pages from 128, add a comma and a number after the mode. [11.7] |

## ► AIO and Cleaners

| | |
|---|---|
| VPCLASS | # Configure one AIO VP. |
| CLEANERS | 8 # Number of page-cleaner threads. 1-128. |
| DIRECT_IO | 0 # Specify I/O use for cooked files used for dbspace chunks. Disable (0), enable direct I/O (1), or enable concurrent I/O (2). |

## ► Locks

| | |
|---|---|
| LOCKS | 20000 # Initial number of locks in the internal lock table at server start. |
| DEF_TABLE_LOCKMODE | page # Page or row level locking for new tables. |

## ► Shared Memory

| | |
|---|---|
| RESIDENT | 0 # Whether shared memory is resident. Off (0); lock resident segment (1); lock the resident segment and the next n-1 virtual segments, where n < 100 (n); or lock all resident and virtual segments (-1). |
| SHMBASE | (Platform-dependent value) # Shared memory base address. |
| SHMVIRTSIZE | 32656 # KB of initial virtual shared memory segment. |
| SHMADD | 8192 # KB of additional virtual shared memory segments. |
| EXTSHMADD | 8192 # KB of each extension shared memory segment. |
| SHMTOTAL | 0 # Max size of shared memory in KB. No limit (0). |
| SHMVIRT_ALLOCSEG | 0,3 # Trigger for adding memory segments, and alarm level. 1st value: decimal value = at % of memory used; integer value = at KB of memory remaining. 2nd value: alarm level. |
| SHMNOACCESS | (Platform-dependent value) # Memory address ranges that cannot be used to attach shared memory. Up to 10 address ranges separated by commas. [11.5] |

## ► Checkpoints and System Blocks

| | |
|---|---|
| CKPTINTVL | 300 # Seconds between checks if a checkpoint is needed. Disable (0). Value ignored if RTO_SERVER_RESTART is enabled. |
| RTO_SERVER_RESTART | 0 # Recovery-time objective. Disabled (0) or 60-1800 seconds for recovery after a server-failure restart. |
| BLOCKTIMEOUT | 3600 # Seconds allowed for a system block before timeout. |

## ► Conversion Guard

| | |
|---|---|
| CONVERSION_GUARD | 2 # Behavior if error occurs during upgrade process. Enable restore point and continue upgrade (2), disable guard (0), or enable restore point and stop upgrade (1). [11.5] |
| RESTORE_POINT_DIR | $INFORMIXDIR/tmp (UNIX) %INFORMIXDIR%\tmp (Windows) # Directory for restore-point files from a failed upgrade. [11.5] |

## ► Transactions

| | |
|---|---|
| TXTIMEOUT | 300 # Seconds a two-phase commit waits before initiating participant recovery. |
| DEADLOCK_TIMEOUT | 60 # Seconds to wait for a lock in a distributed transaction. |
| HETERO_COMMIT | 0 # Disable (0) or enable (1) heterogeneous commit. |

## ► ontape Tape Device

| | |
|---|---|
| TAPEDEV | /dev/tapedev (UNIX) \\.\TAPE0 (Windows) # Path to tape device for backups. Use standard I/O instead of a device (STDIO). |
| TAPEBLK | 32 (UNIX) 16 (Windows) # Tape block size in KB. |
| TAPESIZE | 0 # Maximum amount of data in KB to put on one backup tape. Unlimited (0). |

## ► ontape Logical-Log Tape Device

| | |
|---|---|
| LTAPEDEV | /dev/tapedev (UNIX) NUL (Windows) # Tape device path for logical-log backups. |
| LTAPEBLK | 32 (UNIX) 16 (Windows) # Tape block size in KB for logical-log backups. |
| LTAPESIZE | 0 # Max amount in KB of data that can be put on one logical-log tape. Unlimited (0) or a multiple of LTAPEBLK value. |

## ► Backup and Restore

| | |
|---|---|
| BAR_ACT_LOG | $INFORMIXDIR/tmp/bar_act.log (UNIX) %INFORMIXDIR%\tmp\bar_act.log (Windows) # Path of onbar activity log file. |
| BAR_DEBUG_LOG | $INFORMIXDIR/tmp/bar_dbug.log (UNIX) %INFORMIXDIR%\tmp\bar_dbug.log (Windows) # Path of debug log file. |
| BAR_DEBUG | 0 # Debugging information in the onbar activity log file. None (0), or the debugging level (1-9). |
| BAR_MAX_BACKUP | 0 # Max number of parallel processes for each onbar command. Max allowed on system (0). Serial backup or restore (1). Specified number of processes created (n). |
| BAR_RETRY | 1 # Behavior after a backup or restore failure. Attempt to back up or restore remaining storage spaces or logical logs (1); quit (0); or retry a backup or restore operation (2-32766) times before reporting a failure. |
| BAR_NB_XPORT_COUNT | 20 # Number of data buffers that each onbar_d process can use. |
| BAR_XFER_BUF_SIZE | 31 (OS with 2 KB page size) 15 (OS with 4 KB page size) # Size of each transfer buffer in KB. Max is 64 divided by page size. |
| RESTARTABLE_RESTORE | ON # Enable (ON) or disable (OFF) restartable restores. |
| BAR_PROGRESS_FREQ | 0 # Frequency in minutes of progress messages for onbar activity log during backup and restore operations. 0 or >4. |
| BAR_BSALIB_PATH | # Path of onbar and storage manager shared library. |
| BACKUP_FILTER | # Path to filter program to transform data during a backup. Can contain command-line options if the entire value is within single quotation marks. |
| RESTORE_FILTER | # Path to filter program to transform data during a restore. Can contain command-line options if the entire value is within single quotation marks. |
| BAR_PERFORMANCE | 0 # Performance statistics printed to onbar activity log. Disabled (0), transfer time between the server and storage manager (1), onbar performance (2), or transfer and performance statistics (3). |
| BAR_CKPTSEC_TIMEOUT | 15 # Seconds to wait for an archive checkpoint to complete in the secondary server. 5 to 2*CKPTINTVL value. [11.7] |

## ► Primary Storage Manager (PSM)

| | |
|---|---|
| PSM_ACT_LOG | # Path of the PSM activity log file. [12.1] |
| PSM_DEBUG_LOG | # Path of the PSM debug log file. [12.1] |
| PSM_DEBUG | # Debugging information in the PSM activity log file. None (0), or the debugging level (1-9). [12.1] |
| PSM_CATALOG_PATH | # Path of the PSM catalog tables. [12.1] |
| PSM_DBS_POOL | DBSPOOL # Name of the pool for backup data. [12.1] |
| PSM_LOG_POOL | LOGPOOL # Name of the pool for logs. [12.1] |

## ► Data Dictionary

| | |
|---|---|
| DD_HASHSIZE | 31 # Number of hash buckets in the data-dictionary cache. |
| DD_HASHMAX | 10 # Max number of tables in each hash bucket. |

## ► Data Distribution

| | |
|---|---|
| DS_HASHSIZE | 31 # Number of hash buckets in the data-distribution cache and other caches. |
| DS_POOLSIZE | 127 # Max number of entries in each hash bucket. |

## ► User-Defined Routines

| | |
|---|---|
| PC_HASHSIZE | 31 # Number of hash buckets in the UDR cache. |
| PC_POOLSIZE | 127 # Max number of entries in the UDR cache. |
| PRELOAD_DLL_FILE | # Path to C UDR shared library. [11.7] |

## ► SQL Statement Cache

| | |
|---|---|
| STMT_CACHE | 0 # Statement-cache behavior. Disabled (0), enabled, but requires user action (1), or always on (2). |
| STMT_CACHE_HITS | 0 # Times an SQL statement must be executed before becoming fully cached. Fully cache the first time (0). |
| STMT_CACHE_SIZE | 512 # Statement cache size in KB. |
| STMT_CACHE_NOLIMIT | 0 # Disable (0) or enable (1) inserting SQL statements into the SQL statement cache. |
| STMT_CACHE_NUMPOOL | 1 # Number of SQL statement cache memory pools. 1-256. |

## ► Operating System and Sessions

| | |
|---|---|
| USEOSTIME | 0 # Second (0) or subsecond (1) DATETIME precision. |
| STACKSIZE | 32 (32-bit OS) 64 (64-bit OS) # Size of session stack in KB. Use the value from the routine modifier. |
| ALLOW_NEWLINE | 0 # Disallow (0) or allow (1) newline characters in quoted strings. |
| USELASTCOMMITTED | NONE # The Committed Read isolation level. NONE, COMMITTED READ, DIRTY READ, or ALL. |

## ► Indexes

| | |
|---|---|
| FILLFACTOR | 90 # At index-page creation, % of each page filled by index data. |
| MAX_FILL_DATA_PAGES | 0 # Disable (0) or enable (1) inserting more rows per page in tables that have variable-length rows. |
| BTSCANNER | num=1,threshold=5000,rangesize=-1,alice=6, compression=default # Set the B-tree scanner. |
| ONLIDX_MAXMEM | 5120 # Memory in KB allocated for the preimage pool and updator log pool for each partition. |

## ► Parallel Database Queries (PDQ)

| | |
|---|---|
| MAX_PDQPRIORITY | 100 # % of PDQ resources allocated to any one DSS query. Disable PDQ (0). Only fetch data from fragmented tables in parallel scans (1). |
| DS_MAX_QUERIES | # Number of PDQs that can run concurrently. |
| DS_TOTAL_MEMORY | # Memory in KB available for PDQ queries. |
| DS_MAX_SCANS | 1048576 # Max number of concurrent decision-support scans. |
| DS_NONPDQ_QUERY_MEM | 256 (UNIX) 128 (Windows) # Memory in KB available for nonparallel database queries. 128 KB to a max of 25% of DS_TOTAL_MEMORY value. |
| DATASKIP | # Behavior for unavailable dbspaces. Skip all (ALL), skip some (ON[comma-separated dbspaces]), or disable skipping (OFF). |

## ► Optimizer

| | |
|---|---|
| OPTCOMPIND | 2 # Optimizer determines the best query path based on cost only (2); prefer nested loop joins (0); with Repeatable Read isolation level, same as 0, otherwise same as 2 (1). |
| DIRECTIVES | 1 # Enable (1) or disable (0) the optimizer directives. |
| EXT_DIRECTIVES | 0 # Use of external query optimizer directives. Disable (0), enable if IFX_EXTDIRECTIVES environment variable is enabled (1), or enable (2). |
| OPT_GOAL | -1 # Optimize for fastest retrieval of all rows from a query (-1) or the first row from a query (0). |
| IFX_FOLDVIEW | 1 # Enable (1) or disable (0) view folding in join or UNION ALL queries. |
| STATCHANGE | 10 # % of change required to rebuild table, fragment, or index statistics in UPDATE STATISTICS AUTO mode. [11.7] |
| USTLOW_SAMPLE | 1 (UNIX) 0 (Windows) # Enable (1) or disable (0) sampling during UPDATE STATISTICS LOW operations. [11.7] |

## ► Scans

| | |
|---|---|
| BATCHEDREAD_TABLE | 1 # Enable (1) or disable (0) light scans for tables. [11.5] |
| BATCHEDREAD_INDEX | 1 # Enable (1) or disable (0) light scans for indexes. [11.7] |

## ▶ SQL Tracing and Explain Plan

| | | |
|---|---|---|
| EXPLAIN_STAT | 1 | # Enable (1) or disable (0) inclusion of query statistics in the explain output file. |
| # SQLTRACE | | # Control startup environment of SQL tracing. |

## ▶ Security

| | | |
|---|---|---|
| # DBCREATE_PERMISSION | | # Users granted permission to create databases. Separate values with commas. If not set, no restrictions. |
| # DB_LIBRARY_PATH | | # Comma-separated paths usable for UDR or UDT shared libraries. |
| IFX_EXTEND_ROLE | 1 | # Enable (1) or disable (0) the requirement for the EXTEND role to specify which users can register external routines. |
| SECURITY_LOCALCONNECTION | | # Security checking for local connections. Disable (0), validate ID (1), or validate ID and port (2). |
| UNSECURE_ONSTAT | | # Allow (1) or disallow (0) non-DBSA users to run all **onstat** commands. |
| ADMIN_USER_MODE_WITH_DBSA | | # Specify administration-mode users. |
| ADMIN_MODE_USERS | | # Users, separated by commas, who can connect in administration mode. |
| SSL_KEYSTORE_LABEL | | # Label of Informix certificate in SSL protocol. [11.5] |
| TLS_VERSION | | # Transport Layer Security (TLS) version for network connections. [12.1] |

## ▶ Label-Based Access Control (LBAC)

| | | |
|---|---|---|
| PLCY_POOLSIZE | 127 | # Max entries in each hash bucket of the security policy information cache. |
| PLCY_HASHSIZE | 31 | # Number of hash buckets in security policy information cache. |
| USRC_POOLSIZE | 127 | # Max entries in each hash bucket of LBAC credential memory cache. |
| USRC_HASHSIZE | 31 | # Number of hash buckets in LBAC credential memory cache. |

## ▶ Built-In Character Data Types

| | | |
|---|---|---|
| SQL_LOGICAL_CHAR | OFF | # Expansion of size specifications in declarations of built-in character data types. No expansion factor (1 or OFF); expansion factor (2, 3 or 4); expansion factor of *M*, where *M* is the max length, in bytes, that any logical character requires in the current code set (ON). [11.7] |

## ▶ Sequence Cache

| | | |
|---|---|---|
| SEQ_CACHE_SIZE | 10 | # Number of sequence objects that can have preallocated values in sequence cache. [11.7] |

## ▶ High Availability & Enterprise Replication Security

| | | |
|---|---|---|
| ENCRYPT_HDR | | # Enable (1) or disable (0) HDR encryption. |
| ENCRYPT_SMX | | # Encryption level for high-availability configurations on secondary servers. Do not encrypt (0), encrypt if possible (1), always encrypt (2). |
| ENCRYPT_CDR | 0 | # Encryption level for Enterprise Replication. Do not encrypt (0), encrypt if possible (1), always encrypt (2). |
| ENCRYPT_CIPHERS | | # Define ciphers and modes usable by the current session. |
| ENCRYPT_MAC | | # Level of message authentication code generation. Do not use (off), XOR folding on all (low), SHA1 for >20 byte messages and XOR folding for <20 byte messages (medium), or SHA1 for all (high). Separate multiple values with commas. |
| ENCRYPT_MACFILE | | # Path names, separated by commas, of MAC key files. |
| ENCRYPT_SWITCH | | # Frequency in minutes at which ciphers or secret keys are renegotiated. Format is *cipher_time, key_time.* |

## ▶ Enterprise Replication

| | | |
|---|---|---|
| CDR_EVALTHREADS | 1,2 | # Numbers of evaluator and additional threads per CPU VP, separated by a comma. |
| CDR_DSLOCKWAIT | 5 | # Seconds the data sync waits for release of database locks. |
| CDR_QUEUEMEM | 4096 | # Max memory in KB for send queues and receive queues. |
| CDR_NIFCOMPRESS | 0 | # The compression level between the source and target server. Compress only if the target expects compression (0), never compress (-1), or the level of compression (1-9). |
| CDR_SERIAL | 0 | # Disable value generation (0); or incremental size and offset, separated by a comma, for SERIAL, SERIAL8, and BIGSERIAL primary-key columns in replicated tables. |
| CDR_DBSPACE | | # Dbspace where the **syscdr** database is created. |
| CDR_QHDR_DBSPACE | | # Dbspace that Enterprise Replication uses to store transaction-record headers spooled from send and receive queues. |

| | | |
|---|---|---|
| CDR_QDATA_SBSPACE | | # Names, separated by commas, of sbspaces for storing spooled transaction data. |
| CDR_SUPPRESS_ATSRISWARN | | # Numbers or hyphen-separated ranges of numbers for data sync error and warning codes suppressed in ATS and RIS files. Separate multiple values with commas. |
| CDR_DELAY_PURGE_DTC | 0 | # Remove delete tables (0), or time, directly followed by unit: seconds (S), minutes (M), hours (H), or days (D), to retain delete tables for the delete wins conflict resolution rule. [11.7] |
| CDR_LOG_LAG_ACTION | ddrblock | # Actions, in priority order, taken during a potential log-wrap situation. [11.7] |
| CDR_LOG_STAGING_MAXSIZE | 0 | # Size in KB used to stage compressed log files in the LOG_STAGING_DIR directory. If size is not in KB, then MB, GB, or TB must directly follow the number. |
| CDR_MAX_DYNAMIC_LOGS | 0 | # Disable dynamic log addition (0), add dynamic logs indefinitely (-1), or max number of dynamic log file requests that can be made in one server session (>0). |
| GRIDCOPY_DIR | $INFORMIXDIR | # Staging directory for ifx_grid_copy procedure. [12.1] |
| CDR_TSINSTANCEID | 0 | # Unique server ID for time series instances. [12.1] |
| CDR_MAX_FLUSH_SIZE | 50 | # Max transactions before a log flush. [12.1] |
| CDR_AUTO_DISCOVER | 0 | # Disable (0) or enable (1) connectivity and Enterprise Replication autoconfiguration. [12.1] |
| CDR_MEM | 0 | # Method of memory pool allocation for Enterprise Replication. CDR pool (0), specific CPU virtual processors (1), or specific block sizes (2). [12.1] |

## ▶ High Availability Clusters

| | | |
|---|---|---|
| DRAUTO | 0 | # Secondary server reaction to a primary server failure. Disable automatic failover (0); HDR secondary becomes standard, and returns to HDR secondary after cluster restart (1); HDR secondary becomes primary, and stays primary after restart (2); or Connection Manager controls failover (3). |
| DRINTERVAL | 0 | # Seconds between flushes of the HDR buffer. |
| HDR_TXN_SCOPE | NEAR_SYNC | # Commit HDR transactions after transactions are sent to secondary (NEAR_SYNC); after transactions are applied on secondary (FULL_SYNC); or immediately (ASYNC). [12.1] |
| DRTIMEOUT | 30 | # Seconds before an HDR network timeout. |
| DRLOSTFOUND | $INFORMIXDIR/etc/dr.lostfound (UNIX) %INFORMIXDIR%\etc\dr.lostfound (Windows) | # Path of the HDR lost-and-found file. |
| DRIDXAUTO | 0 | # Disable (0) or enable (1) automatic HDR index repair. |
| HA_ALIAS | | # Alias for a HA cluster server. Must be the same as a value of DBSERVERNAME or DBSERVERALIASES. [11.5] |
| HA_FOC_ORDER | SDS,HDR,RSS | # Cluster failover order by secondary server type, in any order (SDS, HDR, RSS); no automatic failover (MANUAL). [11.7] |
| LOG_INDEX_BUILDS | | # Enable (1) or disable (0) index-page logging. |
| SDS_ENABLE | | # Enable (1) or disable (0) the SDS server functionality. |
| SDS_TIMEOUT | 20 | # Seconds the primary server will wait before removing SDS servers after page flushing has timed out. |
| SDS_TEMPDBS | | # Comma-separated names, paths, page sizes, offsets, and sizes of dbspaces created by the SDS server. The onconfig file can have a max of 16 SDS_TEMPDBS parameter entries. |
| SDS_ALTERNATE | NONE | # Blobspace name for alternate communication between primary and SDS, or NONE. [12.1] |
| SDS_FLOW_CONTROL | 0 | # When SDS flow control is activated. Unprocessed transactions are >8x the size of the log buffer (0), never (-1), or start stop lag amounts, separated by a comma, and with units of kilobytes (K), megabytes (M) or gigabytes (G). [12.1] |
| SDS_PAGING | | # Comma-separated paths to the 2 buffer paging files. |
| SDS_LOGCHECK | 10 (UNIX) 0 (Windows) | # Seconds the SDS server waits to detect if the primary server is generating log activity before allowing failover. [11.7] |
| UPDATABLE_SECONDARY | 0 | # Number of connections between the primary server and a secondary server that can perform DML operations (1-2x the number of CPU VPs); or secondary server is read-only (0). |
| FAILOVER_CALLBACK | | # Path to program called when a secondary server transitions to a standard or primary server. [11.5] |
| TEMPTAB_NOLOG | 0 | # Enable (0) or disable (1) logical logging on temporary table operations. HDR, RS, and SD secondary servers must be set to 1. |
| DELAY_APPLY | 0 | # Time RSS servers wait before applying logs. No wait (0); or 1-999, directly followed by seconds (S), minutes (M), hours (H), or days (D). [11.5] |

| | |
|---|---|
| STOP_APPLY | 0 # When RSS servers apply log files. Apply now (0), stop applying now (1), or stop applying at the specified time (YYYY:MM:DD:hh:mm:ss). [11.5] |
| LOG_STAGING_DIR | # Directory for staging the delayed application log files on RSS servers. [11.7] |
| RSS_FLOW_CONTROL | 0 # When RSS flow control is activated. Unprocessed transactions are >12x the size of the log buffer (0), never (-1), or start stop lag amounts, separated by a comma, with units of kilobytes (K), megabytes (M) or gigabytes (G). [11.7] |
| FAILOVER_TX_TIMEOUT | 0 # Seconds for transactions to complete after a failover of the primary server. [11.7] |
| ENABLE_SNAPSHOT_COPY | 0 # Disable (0) or enable (1) cloning with the **ifxclone** utility. [11.7] |
| SMX_COMPRESS | 0 # Network compression level. Compress only if the target expects compression, never compress (-1), or the level of compression (1-9). [11.7] |
| SMX_PING_INTERVAL | 10 # Seconds before closing connection to unresponsive server (1-60), or never (0). [12.1] |
| SMX_PING_RETRY | 6 # Number of retries of SMX_PING_INTERVAL before closing the connection. [12.1] |
| CLUSTER_TXN_SCOPE | SERVER # Return commit after a transaction is applied in a session (SESSION), on the server (SERVER), or on the cluster (CLUSTER). [12.1] |

## ► Logical Recovery Threads

| | |
|---|---|
| ON_RECVRY_THREADS | 1 # Number of logical recovery threads that run in parallel during a warm restore. |
| OFF_RECVRY_THREADS | 10 # Number of logical recovery threads used in a cold restore and during fast recovery. |

## ► Diagnostic Dump

| | |
|---|---|
| DUMPDIR | $INFORMIXDIR/tmp (UNIX) %INFORMIX%\tmp (Windows) # Directory for shared memory, **gcore** files, or messages from an assertion failure. |
| DUMPSHMEM | 1 # Controls shared memory dumps. Dump all (1), disable (0), exclude the buffer pool (2). |
| DUMPGCORE | 0 # Disable (0) or enable (1) dumping of a core image using **gcore** after an assertion failure. |
| DUMPCORE | 0 # Disable (0) or enable (1) dumping of a core image after an assertion failure. |
| DUMPCNT | 1 # Max number of shared memory dumps or core files for a single session. |

## ► Alarm Program

| | |
|---|---|
| ALARMPROGRAM | $INFORMIXDIR/etc/alarmprogram.sh (UNIX) %INFORMIXDIR%\etc\alarmprogram.bat (Windows) # Program to display event alarms. |
| ALRM_ALL_EVENTS | 0 # The alarm program runs for only noteworthy events (0) or all events (1). |
| STORAGE_FULL_ALARM | 600,3 # Alarm behavior when storage spaces become full or a partition runs out of pages or extents. Seconds between notifications and severity level of triggered alarms, separated by a comma. [11.5] |
| SYSALARMPROGRAM | $INFORMIXDIR/etc/evidence.sh. (UNIX) # Path of the system-alarm program triggered when an assertion failure occurs. [11.5] |

## ► Technical Support

| | |
|---|---|
| RAS_PLOG_SPEED | 0 # Do not change. Value is auto updated. |
| RAS_LLOG_SPEED | 0 # Do not change. Value is auto updated. |

## ► Character Processing

| | |
|---|---|
| EILSEQ_COMPAT_MODE | 0 # Enable (0) or disable (1) checking character validity. |

## ► Queue and Wait Statistics

| | |
|---|---|
| QSTATS | 0 # Disable (0) or enable (1) collection of queue statistics. |
| WSTATS | 0 # Disable (0) or enable (1) collection of wait statistics. |

## ► User Mapping

| | |
|---|---|
| USERMAPPING | OFF # Control access for users without OS accounts. Users need OS accounts (OFF); users without OS accounts cannot be privileged users (BASIC); users without OS accounts can be privileged users (ADMIN). [11.7] |

## ► Storage Provisioning

| | |
|---|---|
| SP_AUTOEXPAND | 1 # Enable (1) or disable (0) automatic chunk extensions and additions in a storage space. [11.7] |
| SP_THRESHOLD | 0 # Min free space before auto expansion of storage. Disable (0), % of space (1-50), or KB (>1000.0). [11.7] |
| SP_WAITTIME | 30 # Max seconds a thread waits to access the storage pool before returning an out-of-space error. [11.7] |

## ► Automatic Location of Database Objects

| | |
|---|---|
| AUTOLOCATE | 0 # Disable (0) or enable (1-32) automatic location of databases, indexes, and tables, and automatic fragmentation of tables. Number of round-robin fragments to allocate to a table (1-32). [11.7] |

## ► Default Escape Character

| | |
|---|---|
| DEFAULTESCCHAR | \ # Default escape character for LIKE and MATCHES. Any one-character value or NONE. [11.7] |

## ► WebSphere MQ Server

| | |
|---|---|
| # VPCLASS | MQ,noyield (Windows) # Configure MQ virtual processor. [11.7] |
| MQSERVER | # Forward-slash-separated channel names, transport types, and connection names for the WebSphere® MQ server. [11.7] |
| MQCHLLIB | # Directory of client channel definition table. [11.7] |
| MQCHLTAB | # Name of client channel definition table. [11.7] |

## ► Non-root User

| | |
|---|---|
| REMOTE_SERVER_CFG | # File listing trusted remote hosts. [11.7] |
| REMOTE_USERS_CFG | # File listing trusted remote-host users. [11.7] |
| S6_USE_REMOTE_SERVER_CFG | 0 # File for secured replication connections. hosts.equiv (0) or use REMOTE_SERVER_CFG value (1). [11.7] |

## ► Low Memory

| | |
|---|---|
| LOW_MEMORY_RESERVE | 0 # Memory in KB reserved for critical operations. 0 or 128 KB to 20% of the SHMVIRTSIZE value. [11.7] |
| LOW_MEMORY_MGR | 0 # Disable (0) or enable (1) automatic low-memory management. [11.7] |

## ► GSKit Library Version

| | |
|---|---|
| GSKIT_VERSION | # GSKit version to use. 7 to 15, the latest major release number of GSKit. [11.7] |

## ► Connection

| | |
|---|---|
| INFORMIXCONRETRY | 1 # Specify the maximum number of connection attempts that can be made to each database server after the initial connection attempt fails. [11.7] |
| INFORMIXCONTIME | 60 # Specify the number of seconds for which the CONNECT statement attempts to establish a connection to a database server. [11.7] |

## ► Java

| | |
|---|---|
| # VPCLASS | jvp,num=1 # Configure Java™ virtual processors. |
| JVPLOGFILE | $INFORMIXDIR/jvp.log (UNIX) %INFORMIXDIR%\jvp.log (Windows) # Path to the Java VP log file. |
| JVPPROPFILE | $INFORMIXDIR/extend/krakatoa/.jvpprops (UNIX) %INFORMIXDIR%\extend\krakatoa\.jvpprops (Windows) # Path to the Java VP properties file. |
| # JVPARGS | -verbose:jni # Java VM options, separated by semicolons. Display JNI calls (-verbose:jni). |
| JVPCLASSPATH | $INFORMIXDIR/extend/krakatoa/krakatoa.jar: $INFORMIXDIR/extend/krakatoa/jdbc.jar (UNIX) %INFORMIXDIR%\extend\krakatoa\krakatoa.jar; $INFORMIXDIR\extend\krakatoa\jdbc.jar (Windows) # Java classpath. |

## ► Buffer-Pool and LRU Tuning

| | |
|---|---|
| BUFFERPOOL | default,buffers=10000,lrus=8,lru_min_dirty=50.00,lru_max_dirty=60.50 # Default values for buffers and LRU queues in nondefault page size buffer pools. |
| BUFFERPOOL | size=2k,buffers=50000,lrus=8,lru_min_dirty=50,lru_max_dirty=60 (2 KB page-size operating system) size=4k,buffers=10000,lrus=8, lru_min_dirty=50,lru_max_dirty=60 # (4 KB page-size operating system) Default values for buffers and LRU queues in default page size buffer pools. |