

Feb 2009 - Content Server Environment Variables

Environment Variable	Possible Values	Binary	Version	Comments	Who can use it
SIGPIPE_STACKTRACE	existence	Content Server	5.3 SP4 and above	Print out a stack trace on Solaris if SIGPIPE is received. Useful if receiving User session connected to server pid:%d has abnormally exited	Support
DM_DISABLE_DBUSER_CHECK	T or t	Content Server	5.3 and above	Removes the warning DM_STARTUP_I_DOCBASE_OWNER_NOT_FOUND	Support
DEBUG_DBXX	existence	Content Server	5.3 and above	calls dbxxSetDebugMode	Eng. Only
DM_CRASH	existence	Content Server	5.3 and above	causes the content server to crash	Eng. Only
DM_XFRM_DEBUG	existence	Content Server	5.3 and above	Debugging flag for dmxfm.cxx	Eng. Only
FTACL_CACHE_HASHTABLE_SIZE	Integer (must be a prime number)	Content Server	5.3 and above	Allocating Hashtable for ACL cache - setting of the hash table size	Eng. Only
DM_FTDQL_ACL_CACHE_PER_QUERY	T or t	Content Server	5.3 and above	If true, we should cleanup the acl cache entries every time we do a permit check	Eng. Only
DM_GROUP_LIST_LIMIT	integer	Content Server	5.3 SP4 and above	Default is 250. Bug 118025 If a user belongs to 500 groups and want to run a SELECT query like: select r_object_id from dm_document where object_name like '%dm%' As the default group list limit is hard-coded and set to 250, when this query is translated to sql query, subquery is needed to perform the ACL checking.	Support
DM_HEAP_VALIDATION_INTERVAL	integer	Content Server	5.3 and above	default is 1000. validationInterval, when non-zero, controls the frequency for which the Validate member is called during heap public memory functions, Alloc, ReAlloc, and Free, calls	Eng. Only
DM_IGNORE_ORDER_BY_CLAUSE	existence	Content Server	5.3 and above	ignore all the order by clause specification. execute the query against full-text only.	Support
DM_GROUP_LIST_LIMIT_TEMP_TBL	T	Content Server	5.3 SP6, 6.0 SP1, 6.5 SP1	When this flag is true and the session user belongs to more than 250 groups, the group membership info will be stored in a temp table, group_name_temp_tbl_str, which the ACL predicate will join against. Buggy 138655	Support

DM_LEFT_OUTER_JOIN_FOR_ACL	T	Content Server	5.3 SP6, DOES NOT EXIST IN 6.0_SP, 6.5	When this flag is true, the dm_acl_s will be left-outer-joined with the type specified in the FROM clause. Also 138655	Support
CLIENT_AUTH_SIG_THRESHOLD	Integer > 1800	Content Server	6.x and above	Increase the time difference allowed for client authentication timestamp vs. server authentication timestamp. Can be used with frequent error: INVALID_CLIENT_TIMESTAMP_EXPIRED	Support
DM_LOGIN_ALLOW_INVALID_SIGNATURE	existence	Content Server	6.x and above	allows clients with invalid authentication signatures to connect to the Content Server?	Support
CLIENT_AUTH_TIMESTAMP_TRACE	T or t	Content Server	6.x and above	print timestamps for privileged DFC. Authentication tracing is a superset of this option.	Support
DM_STACK_WALK_OFF	existence	Content Server	5.3 and above	turns on corresponding option flag	Eng. Only
DM_DEVELOPMENT	existence	Content Server	5.3 and above	turns on corresponding option flag	Eng. Only
DM_ASSERT_FATAL	existence	Content Server	5.3 and above	turns on corresponding option flag	
DM_ECPOOL_TRACE	existence	Content Server	5.3 and above	turns on corresponding option flag	Eng. Only
DM_HEAP_IGNORE_VALIDATION	existence	Content Server	5.3 and above	turns on corresponding option flag	Eng. Only
DM_DEBUG	existence	Content Server	5.3 and above	turns on corresponding option flag	Support
DM_TRACE_UNDERTAKER	existence	Content Server	5.3 and above	turns on corresponding option flag	Eng. Only
DM_DEBUG_FORK_CHILD	existence	Content Server	5.3 and above	turns on corresponding option flag	Eng. Only
DM_DEBUG_FORK_ERROR	existence	Content Server	5.3 and above	turns on corresponding option flag	Eng. Only
DM_TRACE_COMPLETE_LAUNCH	existence	Content Server	5.3 and above	turns on corresponding option flag	Support
DM_LINKSTORE_ACL_WARNING	existence	Content Server	5.3 and above	turns on corresponding option flag	Eng. Only
DM_TOPIC_SYNCHLAUNCH	existence	Content Server	5.3 and above	turns on corresponding option flag	Eng. Only
DM_ENABLE_ASSUME_USER	existence	Content Server	5.3 and above	turns on corresponding option flag	Eng. Only
DM_NETADDR_BY_NAME	existence	Content Server	5.3 and above	turns on corresponding option flag	Eng. Only
DM_NETWISE_ADDRESSING	existence	Content Server	5.3 and above	turns on corresponding option flag	Eng. Only
DM_DOCBROKER_TRACE	existence	Content Server	5.3 and above	turns on corresponding option flag	Support
DM_TRANSLATE_ALWAYS	existence	Content Server	5.3 and above	turns on corresponding option flag	Eng. Only
DM_PRINT_TRACE	existence	Content Server	5.3 and above	turns on corresponding option flag	Eng. Only
DM_I18N_TRACE	existence	Content Server	5.3 and above	turns on corresponding option flag	Support

DM_CA_STORE_TRACE	existence	Content Server	5.3 and above	turns on corresponding option flag	Support
DM_RETENTION_TRACE	existence	Content Server	5.3 and above	turns on corresponding option flag	Support
DM_LAST_SQL_TRC_OFF	existence	Content Server	5.3 and above	turns on corresponding option flag	Eng. Only
DM_REPORT_DCTM_EXCEPTIONS	existence	Content Server	5.3 and above	turns on corresponding option flag	Eng. Only
DM_TRACE_SSEF	existence	Content Server	5.3 and above	Used in dmSetEventFlagTrace - it prints out to the server log what changes were made to a saved object.	Support
DM_DEBUG_ESIGN_METHOD	1	Content Server	5.3 and above	Used for eSignature debugging - prints additional tracing	Support
DM_UPGRADE_TRACE_LEVEL	integer	Content Server	5.3 and above	unused	
LDAP_RECONNECT_INCREMENT_SECONDS	integer	Content Server	5.3 SP5 and above	Related to Bugsy 121711. Used to retry ldap search/bind commands. Default is 2 (seconds)	Support
DM_DOCBROKER_TRACE	existence	Connection Broker	5.3 and above	Additional tracing for the docbroker. Identical to startup flag docbroker_trace	Support
DM_DOCBROKER_FUDGE	integer	Connection Broker	5.3 and above	Sets the docbroker and ACS map fudge factor. This can be used with docbroker_trace_option. Used to increase the gap allowed between Content Server connection-broker checkpoints	Eng. Only
DM_DEBUG_BROKER	existence	Connection Broker	5.3 and above	Tracing for docbroker. This and DM_TRANS_LOG can be used together	Support
DM_TRANS_LOG	existence	Connection Broker	5.3 and above	Prints a before and after docbase map - for connection broker debugging. This goes to standard out.	Support
DM_DOCBROKER_ONC_ADVANCED	existence	Connection Broker	5.3 and above	StaticProtocolSimple is set to false if this is enabled.	Eng. Only
DM_MULTI	existence	Connection Broker	5.3 and above	set StaticMultiReply to true for bCast communication - in Connection Broker.	Eng. Only
DM_MAX_ACCEPT_FAILURE	Integer	Connection Broker	5.3 and above	A number representing how many times a failed nl_accept call will be allowed - perhaps before the docbroker exits? The default is 5	Eng. Only
DM_INVOKE_CRASH	existence	Connection Broker ?	5.3 and above	Cause a crash	Eng. Only
DISABLE_DMCL_EXCEPTION_HANDLING	existence	DMCL	5.3 all SP only	Disable signal handling in the DMCL - this is used to get a core file and should be the standard way to debug DMCL crashes	Support
DM_ENABLE_DMCL_STACK_TRACING	existence	DMCL	5.3 all SP only	For Solaris and AIX, allow printing the stack trace in the dmcl_err_pid file when the environment variable is set.	Support

DM_ALWAYS_CONNECT_POOLING	Y	DMCL	5.3 all SP only	DM_ALWAYS_CONNECT_POOLING overrides apiconfig parameter "connect_pooling_enabled" and "connect_recycle_interval". Method Server has set the environment variable before calling dmAPIInit(). It resets the variable after dmAPIInit() returns.	Support
DM_PIN_CACHE	existence	Content Server	5.3	<p>We have added the pin_cache mechanism to support one customer, Linklaters. This feature pins a set of objects in the cache that allows them to avoid some acute performance problems. Before, we added this to the code line, Linklaters ran a special build that included the feature. This proved to be expensive for us and inconvenient for Linklaters. In particular they could only receive bug fixes we ported to their private codeline.</p> <p>Other users should be prevented from using the pin_cache feature. It has been tuned for the Linklaters environment and the manner they administer their systems. For other users the feature will almost certainly lead to incorrect and expensive to understand behaviors in other environments.</p>	Eng. Only
SM_IPV6_REQUIRED	internal - some format like SM_IPV6_ REQUIRE D=1	Content Server Content Server - DB2 & ODBC	6.5 and above	Internal for HPUX IPV6	Eng. Only
DM_EXTENDED_FETCH_OFF	existence	Only	5.3 and above	Set the batch_hint to the database to 1 and don't use array fetches	Eng. Only
DM_DISABLE_OPTIMIZER_HINT	existence	Content Server - DB2	5.3 SP4 and above	<p>Temporary fix for bugs 120427 & 120434 (WalMart Case #58769): DB2 SQL clause "optimize for X rows" causes performance degradation, the temporary solution to this DB2-specific problem is ... if environment variable "DM_DISABLE_OPTIMIZER_HINT" is true, then DO NOT append "optimize for x rows" to DB2 SQL</p>	Eng. Only

DM_NO_DEADLOCK_RETRY	existence	Content Server - ODBC Only	5.3 and above	By default, Content Server retries operations for deadlocks. Setting this flag to anything turns off deadlock retry.	Eng. Only
DM_OCI_TRACE	existence	Content Server - Oracle Only	5.3 and above	This turns on Oracle OCI tracing - low level details about Oracle API calls. Output goes to Content Server log file	Support
DM_SERVER_CODEPAGE	any valid setting for NLS_LANG G	Content Server - Oracle Only	5.3 and above	This is used to set the NLS_LANG environment variable - by default the NLS_LANG is set to AMERICAN_AMERICA.UTF8	Support
DM_TRACE_CACHE	existence	Content Server Connection	5.3 and above	trace the named object cache/global cache.	Support
DM_MAP_FILTER_OFF	existence	Broker	5.3 and above	only copy particular entries from the docbroker maps (5.3 and above)	Eng. Only
DM_JAVA_CONFIG	path to java.ini	DMCL	5.3 only	This contains the location of the java.ini file. It should be a complete path like c:\temp\java.ini	Support