SYBASE
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System Tables Diagram

Sybase®
Adaptive Server® Enterprise

An entity relationship diagram for Adaptive Server Enterprise 15.7

MLG part number DC70204-01-1570-01

Master Database

sybsystemdb

syscoordinations
participant, starttime, coordtype, owner, protocol, state, bootcount, dbid, logvers, spare, status, xactkey, gtrid, partdata, srvname, nodeid§, instanceid‡

Scratch
(for archive database functionality)

sysaltusages
dbid, altsuid, lstart, start, size, vstart, vdevno, segmap

sybsecurity

sysauditoptions
num, val, minval, maxval, name, sval, comment

sysaudits_01–08
event, eventmod, spid, eventtime, sequence, suid, dbid, objid, xactid, loginname, dbname, objname, extrainfo, nodeid, instanceid

syscachepoolinfo
cache_name, cache_status, cache_type, cache_config_size, cache_run_size, cache_config_replacement, cache_run_replacement, cache_config_partitions, cache_run_partitions, cache_overhead, pool_io_size, pool_config_size, pool_run_size, pool_apf_percent, pool_wash_size, cacheid, instanceid‡

syspoolinfo
cache_name, io_size, config_size, run_size, apf_percent, wash_size, cacheid, instanceid‡

syscacheinfo
cache_name, cache_status, cache_type, config_size, run_size, config_replacement, run_replacement, config_partitions, run_partitions, overhead, cacheid, instanceid‡

sysconfigures
config, value, comment, status, name, parent, value2, value3, value4, instanceid‡

syscurconfigs*
config, value, comment, status, value2, defvalue, minimum_value, maximum_value, memory_used, display_level, datatype, message_num, apf_percent, unit, type, nodeid§, instanceid‡

sysengines
engine, osprocid, osprocname, status, affinitied, cur_kpid, last_kpid, idle_1, idle_2, idle_3, idle_4, starttime, nodeid§, instanceid‡

sysoptions*
spid, scope, name, category, currentsetting, defaultsetting, number

sysprocesses*
spid, kpid, enginenum, status, suid, hostname, program_name, hostprocess, cmd, cpu, physical_io, memusage, blocked, dbid, uid, gid, tran_name, time_blocked, network_pktsz, fid, execlass, priority, affinity, id, stmtnum, linenum, origsuid, block_xloid, clientname, clienthostname, clientapplname, sys_id, ses_id, loggedindatetime, ipaddr, pad, icid, nodeid§, instanceid‡, clientport

syssecmechs*
sec_mech_name, available_service

syslisteners*
net_type, address_info, nodeid§, instanceid‡

sysresourcelimits
name, appname, rangeid, limitid, enforced, action, limitvalue, scope, spare

systimeranges
name, id, startday, endday, starttime, endtime

sysmonitors*
field_name, group_name, field_id, value, description, nodeid§, instanceid‡

systestlog*
iterations, kpid, iterdate

sysservers
srvid, srvstatus, srvname, srvnetname, srvclass, srvsecmech, srvcost, srvstatus2, srvprincipal

syspasswordhistory
id, type, srvid, status, name, crdate, lastusedate, password

sysremotelogins
remoteserverid, remoteusername, suid, status

syslogins
suid, status, accdate, totcpu, totio, spacelimit, timelimit, resultlimit, dbname, name, password, language, pwdate, audflags, fullname, srvname, logincount, procid, lastlogindate, crdate, crsuid, lpid, locksuid, lockreason, lockdate

systransactions
xactkey, starttime, failover, type, coordinator, state, connection, status, status2, spid, masterdbid, loid, namelen, xactname, srvname, nodeid

syslocks*
id, dbid, page, type, spid, class, fid, context, row, loid, partitionid, nodeid§, instanceid‡

syssessions*
sys_id, ses_id, state, spare, status, dbid, name, nodeid, ses_data

sysmessages*
error, severity, dlevel, description, langid, sqlstate

syslanguages
langid, dateformat, datefirst, upgrade, name, alias, months, shortmonths, days

sysdevices
low, high, status, cntrltype, name, phyname, mirrorname, vdevno, crdate, resizedate, status2, uuid‡, instanceid‡

sysusages
dbid, segmap, lstart, size, vstart, pad, unreservedpgs, crdate, vdevno

sysdatabases
name, dbid, suid, status, version, logptr, crdate, dumptrdate, status2, audflags, deftabaud, defvwaud, defpraud, def_remote_type, def_remote_loc, status3, status4, audflags2, spare§, instanceid‡, durability, lobcomp_lvl, inrowlen

sysinstances
id, name, state, starttime, hostname, connections_active, engines_online

syslogshold*
dbid, reserved, spid, page, xactid, masterxactid, starttime, name, xloid

sysloginroles
suid, srid, status

syssrvroles
srid, name, password, pwdate, status, logincount, locksuid, lockreason, lockdate

syscharsets
type, id, csid, status, name, description, definition, sortfile

sysusermessages*
error, uid, description, langid, dlevel

sysroles
id, lrid, type, status

sysalternates
suid, altsuid

sysprotects
id, uid, action, protecttype, columns, grantor

sysusers
suid, uid, gid, name, environ

systhresholds
segment, free_space, status, proc_name, suid, currauth

syssegments
segment, name, status

sysindexes
name, id, indid, doampg, ioampg, oampgtrips, status3, status2, ipgtrips, first, root, distribution, usagecnt, segment, status, maxrowsperpage, minlen, maxlen, maxirow, keycnt, keys1, keys2, keys3, soid, csid, base_partition, fill_factor, res_page_gap, exp_rowsize, identitygap, crdate, partitiontype, conditionid

syspartitions
name, indid, id, partitionid, segment, status, datoampage, indoampage, firstpage, rootpage, data_partitionid, crdate, cdatapttnname, lobcomp_lvl

syslogs*
xactid, op

sysgams*

syskeys
id, type, depid, keycnt, size, key1 ... key8, depkey1, ..., depkey8, spare1

sysattributes
class, attribute, object_type, object_cinfo, object, object_info1, object_info2, object_info3, int_value, char_value, object_datetime, text_value, image_value, comments

sysobjects
name, id, uid, type, userstat, sysstat, indexdel, schemacnt, sysstat2, crdate, expdate, deltrig, instrig, updtrig, seltrig, ckfirst, cache, audflags, objspare, versionts, loginame, identburnmax, spacestate, erlchgts, sysstat3, lobcomp_lvl

sysdepends
id, number, depid, depnumber, status, selall, resultobj, readobj, columns

systabstats
indid, id, activestatid, indexheight, leafcnt, pagecnt, rowcnt, forwrowcnt, delrowcnt, dpagecrcnt, ipagecrcnt, drowcrcnt, oamapgcnt, extent0pgcnt, datarowsize, leafrowsize, status, pllpoindegree, rslastoam, rslastpage, frlastoam, frlastpage, conopt_thld, pllidegree, emptypgcnt, partitionid, wamcachepgcnt, statmoddate, unusedpgcnt, oamapgcnt, extentmodcnt, pioclmdata, pioclmindex, piocsmdata, piocsmindex

sysstatistics
statid, id, sequence, moddate, formatid, usedcount, colidarray, c0 ... c79, indid, ststatus, partitionid, spare2, spare3

syspartitionkeys
indid, id, colid, position

sysreferences
indexid, constrid, tableid, reftabid, keycnt, status, frgndbid, pmrydbid, spare2, fokey1, ..., fokey16, refkey1, ..., refkey16, frgndbname, pmrydbname

sysconstraints
colid, constrid, tableid, error, status, spare2

syscomments
id, number, colid, texttype, language, text, colid2, status, partitionid, encrkeyid, version

systypes
uid, usertype, variable, allownulls, type, length, tdefault, domain, name, printfmt, prec, scale, ident, hierarchy, xtypeid, xdbid, accessrule

syscolumns
id, number, colid, status, type, length, offset, usertype, cdefault, domain, name, printfmt, prec, scale, remote_type, remote_name, xstatus, xtype, xdbid, accessrule, status2, status3, computedcol, encrtype, encrlen, encrkeyid, encrkeydb, encrdate, lobcomp_lvl, inrowlen

sysqueryplans
uid, gid, hashkey, id, type, sequence, status, text, dbid, qpdate, sprocid, hashkeyz, key1...key4

sysquerymetrics
uid, gid, hashkey, id, sequence, exec_min, exec_max, exec_avg, elap_min, elap_max, elap_avg, lio_min, lio_max, lio_avg, pio_min, pio_max, pio_avg, cnt, abort_cnt, qtext

sysencryptkeys
id, ekalgorithm, type, status, ekken, value, uid, eksalt, ekpairid, pwdate, expdate, ekpwdwarn

sysprocedures
type, id, sequence, status, number, version, qp_setting

sysjars
jstatus, jid, jname, jbinary

sysxtypes
xtutid, xtid, xtmetatype, xtstatus, xtcontainer, xtname, xtsource, xtbinaryinrow, xtbinaryoffrow

The lines represent key relationships and potentially useful joins. The column names for the relationships appear above or to the left of the lines, and the type of relationship (1:1, 1:N, N:N) appears below or to the right of the lines. A comma separating column names means that the relationship requires both columns.

Asterisks (*) by table names denote all-pages-locked (APL) tables. The rest are data-only-locked (DOL) tables.

Double-S (§) symbols indicate columns that are used only in non-clustered environments.

Double-dagger (‡) symbols indicate columns that are used only in a cluster environment, with the Adaptive Server Cluster Edition.

Dotted lines from system view tables indicate relationships to the base tables used in the views.

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All Databases

Key: Miscellaneous | Time Ranges & Limits | Language & Character Sets | Processes & Locks, Virtual Catalogs | System Views | Remote Servers | Users, Roles, Security, & Permissions | Storage | Configuration | Integrity Relationships | Objects | Messages