

ArcSDE Geodatabase System Tables ⁷

Datasets

RASTER_COLUMNS
rastercolumn_id (UK) ²
description
database_name
owner
table_name
raster_column
cdate
config_keyword
minimum_id
base_rastercolumn_id
rastercolumn_mask
srid (FK)

SPATIAL_REFERENCES ⁶
srid
description
auth_name
auth_srid
falsey
xyunits
falsez
zunits
falsem
munits
xycluster_tol
zcluster_tol
mcluster_tol
object_flags
srtext

LAYERS
layer_id (UK)
description
database_name ²
table_name
owner
spatial_column
eflags
layer_mask
gsize1
gsize2
gsize3
minx
miny
maxx
maxy
minz
maxz
minm
maxm
cdate
layer_config
optimal_array_size
stats_date
minimum_id
srid
base_layer_id

GDB_Items
ObjectID
UUID
Type
Name
PhysicalName
Path
URL
Properties
Defaults
DatasetSubtype1
DatasetSubtype2
DatasetInfo1
DatasetInfo2
Definition
Documentation
ItemInfo
Shape

GDB_ItemRelationships
ObjectID
OriginID
DestID
Type
Attributes
Properties

Distributed Geodatabases

GDB_ReplicaLog
ID
ReplicaID
Event
ErrorCode
LogDate
SourceBeginGen
SourceEndGen
TargetGen

Spatial type tables and views

DB2GSE.ST_SPATIAL_REFERENCE_SYSTEMS ⁵
srs_name
srs_id
x_offset
x_scale
y_offset
y_scale
z_offset
z_scale
m_offset
m_scale
min_x
max_x
min_y
max_y
min_z
max_z
min_m
max_m
coordsys_name
coordsys_type
organization
organization_coordsys_id
definition
description

ST_SPATIAL_REFERENCES ⁴
sr_name
srid
x_offset
y_offset
xyunits
z_offset
z_scale
m_offset
m_scale
min_x
max_x
min_y
max_y
min_z
max_z
min_m
max_m
cs_id
cs_name
cs_type
organization
org_coordsys_id
definition
description

SDE. or DBO.ST_SPATIAL_REFERENCE_SYSTEMS
srs_id
x_offset
x_scale
y_offset
y_scale
z_offset
z_scale
m_offset
m_scale
organization
organization_coordsys_id
definition

ST_GEOMETRY_INDEX ³
owner (FK)
table_name (FK)
column_name (FK)
index_id (FK)
GRID
SRID (FK)
commit_int
version
status

DB2GSE.ST_GEOMETRY_COLUMNS ⁵
table_schema
table_name
column_name
type_schema
type_name
srs_name
srs_id

ST_GEOMETRY_COLUMNS ⁴
database_name
owner_name
schema_name
table_name
column_name
geometry_type
properties
srid

DB2GSE.ST_COORDINATE_SYSTEMS ⁵
coordsys_name
coordsys_type
definition
organization
organization_coordsys_id
description

ST_COORDINATE_SYSTEM ³
ID
name
type
definition
organization
description

SDE. or DBO.ST_GEOMETRY_COLUMNS
table_schema
table_name
column_name
type_schema
type_name
srs_id

ST_SPATIAL_REFERENCES ³
SRID
sr_name
x_offset
y_offset
xyunits
z_offset
z_scale
min_x
max_x
min_y
max_y
min_z
max_z
cs_id (FK)
cs_name
cs_type
organization
org_coordsys_id
definition
description

ST_GEOMETRY_COLUMNS ³
owner
table_name
column_name
geom_id
geometry_type
properties
SRID (FK)

GEOMETRY_COLUMNS
f table_catalog
f table_schema
f table_name
f geometry_column
g_table_catalog
g_table_schema
g_table_name
storage_type
geometry_type
coord_dimension
max_ppr
SRID (FK)

OBJECT_IDS ⁴
id_type
base_id
object_type

DBTUNE
keyword
parameter_name
config_string

LAYER_STATS
Layer ID
Version ID
MinX
MinY
MaxX
MaxY
MinZ
MinM
MaxZ
MaxM
Total_Features
Total_Points
Last_Analyzed

COLUMN_REGISTRY
database_name ¹
table_name
owner
column_name
sde_type
column_size
decimal_digits
description
object_flags
object_id

TABLE_REGISTRY
registration_id ¹
database_name (UK)
table_name (UK)
owner (UK)
rowid_column
description
object_flags
registration_date
config_keyword
minimum_id
imv_view_name
related_id

Versioning

STATE_LINEAGES
lineage_name
lineage_id

LINEAGES_MODIFIED
lineage_name
time_last_modified

MVTABLES_MODIFIED
registration_id
state_id (FK)

STATES
state_id
owner
creation_time
closing_time
parent_state_id (UK)
lineage_name (UK)

COMPRESS_LOG1*
compress_id
sde_id
server_id
direct_connect
compress_start
start_state_count
compress_end
end_state_count
compress_status

VERSIONS
name (UK)
owner (UK)
version_id
status
state_id
description
parent_name
parent_owner
parent_version_id
creation_time

*Not created until you compress the geodatabase

Geodatabase Archives

SDE_ARCHIVES
registration_id
archiving_regid
history_regid
from_date
to_date
archive_date
archive_flags

Log Files*

LOGFILE_POOL
table_id
sde_id

LOGDATA_<SDE_ID>
sde_row_id

LOGPOOL_<SDE_ID>
logfile_data_id
sde_row_id

LOGFILE_DATA
logfile_data_id
sde_row_id

LOGFILES
logfile_name
logfile_id
logfile_data_id
registration_id
flags
session_tag
logfile_data_db
logfile_data_owner
logfile_data_table

*The LOGFILE_POOL and LOGPOOL_<SDE_ID> tables are the only log file tables stored in the ArcSDE Administrator user's schema. The LOGPOOL_<SDE_ID> table (or tables) are not created unless you set a size other than 0 for the LOGFILEPOOLSIZ in the SERVER_CONFIG table.

System administration

PROCESS_INFORMATION
sde_id
spid (UK)
app_id ⁵
audsid ³
server_id
start_time
rcount
wcount
opcount
numlocks
fb_partial
fb_count
fb_fcount
fb_kbytes
owner
direct_connect
sysname
nodename
xdr_needed

INSTANCES ³
instance_name
instance_id
creation_date
sde_row_id
status
time_last_modified

SERVER_CONFIG
prop_name
char_prop_value
num_prop_value

VERSION
MAJOR
MINOR
BUGFIX
DESCRIPTION
RELEASE
SDESVR_REL_LOW

TABLES_MODIFIED
table_name
time_last_modified

Locking

OBJECT_LOCKS
sde_id
object_id
object_type
application_id
autolock
lock_type
lock_time

LAYER_LOCKS
sde_id
layer_id
autolock
lock_type
minx
miny
maxx
maxy
lock_time

STATE_LOCKS
sde_id
state_id
autolock
lock_type
lock_time

TABLE_LOCKS
sde_id
registration_id
lock_type
lock_time

Schematics

SCH_RELEASE
MAJOR
MINOR
BUGFIX

SCH_UNIQUEID
ID
DUMMY

SCH_DATASET
ID
MAJOR
MINOR
BUGFIX
DBNAME
OWNER
NAME
EXTCLSID
SPATIALREF
BLOBS

LEGEND

- Field Required (NOT NULL)
- (UK) Unique key
- (FK) Foreign key
- View
- Table
- Zero or more
- Zero or one
- Exactly one
- Explicit relationship
- Primary key

NOTES

- Not present in Oracle
- Null in Oracle
- Only present in Oracle
- Only present in PostgreSQL
- Only present in DB2
- Stored in the Public schema in PostgreSQL
- In SQL Server and PostgreSQL, tables not prefaced with GDB_ or SCH_ are prefaced with SDE_.