

DAITSS V.2 DATA ENTITY DICTIONARY

[incomplete draft October 2011]

“DAITSS_DB” DATABASE

The “daitss_db” database contains two schemas:

- “daitss2”, which is the DAITSS Preservation Database
- “storemaster”, which is the DAITSS Storage Database

“DAITSS_DB.DAITSS2” SCHEMA LIST OF DATA ENTITIES (TABLES):

Operations entities:

- [accounts](#)
- [agents](#)
- [aips](#)
- [batches](#)
- [copies](#)
- [entries](#)
- [events](#)
- [packages](#)
- [projects](#)
- [requests](#)
- [sips](#)
- [stash_bins](#)

Preservation entities:

- [audios](#)
- [bitstreams](#)
- [broken_links](#)
- [datafiles](#)
- [datafile severe elements](#)
- [documents](#)
- [fonts](#)
- [formats](#)
- [images](#)
- [intentities](#)
- [message digests](#)
- [object_formats](#)
- [premis_agents](#)
- [premis_events](#)

- [severe_elements](#)
- [texts](#)

“DAITSS_DB.STOREMASTER” SCHEMA LIST OF DATA ENTITIES (TABLES):

Entities:

- [copies](#)
- [packages](#)
- [pools](#)
- [reservations](#)

“STORE_DB” DATABASE(S)

Note that each DAITSS Silo Pool uses a unique instance of the “store_db” database, so a DAITSS installation will have at least one “store_db” database. If more than one DAITSS Silo Pool is created, each DAITSS Silo Pool will have its own unique “store_db” database containing data about AIPs stored in that pool.

“STORE_DB” DATABASE LIST OF DATA ENTITIES (TABLES):

Entities:

- [histories](#)
- [packages](#)
- [reserved_disk_spaces](#)
- [silos](#)

DAITSS “daitss_db.daitss2” Data Entities and their Attributes

DATA ENTITY NAME:	accounts
CLASS:	data_field
DEFINITION:	Stores information about the accounts that can submit materials to the repository.

Attributes:

NAME:	accounts.id
DEFINITION:	A unique code that identifies a user account.
OBLIGATION:	Mandatory
HOW_OBTAINED:	Operator-assigned through Admin GUI
MAXIMUM_OCCURRENCE:	'n'
VALUE_TYPE:	Identifier
MAXIMUM_SIZE:	50 characters
COMMENT:	
INHERITANCE:	not_inheritable
VALUE_EXAMPLE:	GU
PREMIS_NOTES:	N/A
SCOPE:	data

NAME:	accounts.description
DEFINITION:	Full user account name
OBLIGATION:	Mandatory
HOW_OBTAINED:	Manually entered through Admin GUI
MAXIMUM_OCCURRENCE:	'n'
VALUE_TYPE:	Text
MAXIMUM_SIZE:	
COMMENT:	
INHERITANCE:	not_inheritable
VALUE_EXAMPLE:	Gainesville University
PREMIS_NOTES:	N/A
SCOPE:	data

NAME:	accounts.report_email
DEFINITION:	The email address to which reports will be mailed. NULL indicates that reports will be saved to disk on the DAITSS server
OBLIGATION:	Optional
HOW_OBTAINED:	Manually entered through Admin GUI
MAXIMUM_OCCURRENCE:	'n'
VALUE_TYPE:	Text
MAXIMUM_SIZE:	50
COMMENT:	VARCHAR(50)
INHERITANCE:	not_inheritable
VALUE_EXAMPLE:	daitss_reports@anyU.edu
PREMIS_NOTES:	N/A
SCOPE:	data

DATA ENTITY NAME: agents**CLASS:****DEFINITION:** Operations agents.**INHERITS_FROM:****Data Entity Attributes:****NAME: agents.id****DEFINITION:** Primary key for operations_agents table. IDs for DAITSS Preservation Interface users are manually assigned by a DAITSS Operator type user. Software agents are created programmatically.**OBLIGATION:****HOW_OBTAINED:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:** Identifier**MAXIMUM_SIZE:** 50**COMMENT:** VARCHAR(50); non-GUI user agents include SYSTEM and info:fcla/daitss/store-master/version number (for fixity operations)**INHERITANCE:** not_inheritable**VALUE_EXAMPLE:** SYSTEM**PREMIS_NOTES:** N/A**SCOPE:** data**NAME: agents.account_id****DEFINITION:** The account in which this agent has permissions. Note SYSTEM account_id indicates that the agent is authorized to work with all accounts.**OBLIGATION:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:****MAXIMUM_SIZE:****COMMENT:****INHERITANCE:****VALUE_EXAMPLE:** SYSTEM**PREMIS_NOTES:****SCOPE:** data**NAME: agents.auth_key****DEFINITION:** Authorization key for human agents.**OBLIGATION:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:****MAXIMUM_SIZE:****COMMENT:****INHERITANCE:****VALUE_EXAMPLE:** dc76e9f0c0006e8f919e0c515c66dbba3982f785**PREMIS_NOTES:****SCOPE:** data

NAME: agents. salt

DEFINITION:
OBLIGATION: Optional
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Text
MAXIMUM_SIZE: 50
COMMENT: VARCHAR(50)
INHERITANCE:
VALUE_EXAMPLE: 135n4
PREMIS_NOTES: N/A
SCOPE: data

NAME: agents. description

DEFINITION:
OBLIGATION: Optional
HOW_OBTAINED: Manually entered via Admin GUI
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Text
MAXIMUM_SIZE: 256
COMMENT: VARCHAR(256)
INHERITANCE:
VALUE_EXAMPLE: daitss software agent
PREMIS_NOTES: N/A
SCOPE: data

NAME: agents.deleted_at

DEFINITION: The date on which the user was inactivated.
OBLIGATION: Conditional
CONDITION: Required if type='operator' or type='contact'
HOW_OBTAINED: From Admin GUI when an Operator clicks on the Delete button

MAXIMUM_OCCURRENCE:
VALUE_TYPE:
MAXIMUM_SIZE:
COMMENT: DATETIME
INHERITANCE:
VALUE_EXAMPLE: 2011-05-14 09:28:18
PREMIS_NOTES:
SCOPE: data

NAME: agents. type

DEFINITION: Type of agent.
OBLIGATION: Mandatory
HOW_OBTAINED: From Admin GUI or ?

MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE: Enumeration
MAXIMUM_SIZE: 50
ENUMERATION_VALUES: (Daitss::Operator,Daitss::Contact,Daitss::Program)
COMMENT: VARCHAR(50)
INHERITANCE:
VALUE_EXAMPLE: Daitss:Operator
PREMIS_NOTES:
SCOPE: data

NAME: agents. account_id

DEFINITION: The account with which type=contact is associated.
OBLIGATION: Conditional
HOW_OBTAINED: From Admin GUI
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Integer
MAXIMUM_SIZE: 10
COMMENT:
INHERITANCE: inheritable
VALUE_EXAMPLE: 13
PREMIS_NOTES:
SCOPE: data

NAME: agents. first_name

DEFINITION: The first name of type=contact or type=operator
OBLIGATION: Conditional
HOW_OBTAINED: From Admin GUI
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Text
MAXIMUM_SIZE: 50
COMMENT: VARCHAR(50)
INHERITANCE: not_inheritable
VALUE_EXAMPLE: Joan
PREMIS_NOTES:
SCOPE: data

NAME: agents. last_name

DEFINITION: The last name of type=contact or type=operator
OBLIGATION: Conditional
CONDITION:
HOW_OBTAINED: From Admin GUI
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Text
MAXIMUM_SIZE: 50
COMMENT: VARCHAR(50)
INHERITANCE: not_inheritable
VALUE_EXAMPLE: Smith
PREMIS_NOTES:
SCOPE: data

NAME: agents. email

DEFINITION: The email address of type=contact or type=operator
OBLIGATION: Conditional
CONDITION:
HOW_OBTAINED: From Admin GUI
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Text
MAXIMUM_SIZE: 50
COMMENT: VARCHAR(50)
INHERITANCE:
VALUE_EXAMPLE: jsmith@univ.edu
PREMIS_NOTES:
SCOPE: data

NAME: agents. phone

DEFINITION:
OBLIGATION: Conditional
CONDITION:
HOW_OBTAINED: From Admin GUI
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Text
MAXIMUM_SIZE: 50
COMMENT: VARCHAR(50)
INHERITANCE: not_inheritable
VALUE_EXAMPLE: (111)222-3333
PREMIS_NOTES:
SCOPE: data

NAME: agents. address

DEFINITION:
OBLIGATION: Conditional
CONDITION:
HOW_OBTAINED: From Admin GUI
MAXIMUM_OCCURRENCE:
VALUE_TYPE:
MAXIMUM_SIZE: Is 50 enough?
COMMENT: VARCHAR(50)
INHERITANCE:
VALUE_EXAMPLE: 2324 Library Square, University of Bigtown, Bigtown, FL 99999
PREMIS_NOTES:
SCOPE: data

NAME: agents.is_admin_contact

DEFINITION: flag indicating whether the agent is the primary contact for administrative issues pertaining to the account_id
OBLIGATION: Optional
HOW_OBTAINED: From Admin GUI
MAXIMUM_OCCURRENCE:
VALUE_TYPE: ENUMERATION
MAXIMUM_SIZE: 11

ENUMERATION VALUES: (t,f)
COMMENT: t – agent is administrative contact; f – agent is not administrative contact
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: agents.is_tech_contact

DEFINITION: flag indicating whether the agent is the primary contact for technical issues pertaining to the account_id
OBLIGATION: Optional?
HOW_OBTAINED: From Admin GUI
MAXIMUM_OCCURRENCE:
VALUE_TYPE: ENUMERATION
MAXIMUM_SIZE: 11
ENUMERATION VALUES: (t,f)
COMMENT: t – agent is technical contact; f – agent is not technical contact
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: agents.permissions

DEFINITION: Flag indicating permitted actions. Note that agents.type='Daitss::Operator' have blank(null) permissions because permissions apply only to Daitss::Contact users
OBLIGATION: Conditional, required only for agents.type='Daitss::Contact'
HOW_OBTAINED: From Admin GUI
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Integer
MAXIMUM_SIZE: 11
COMMENT:
INHERITANCE:
VALUE_EXAMPLE: 16
PREMIS_NOTES:
SCOPE: data

DATA ENTITY NAME: aips**CLASS:**

DEFINITION: Stores metadata about AIPs (Archival Information Packages), including the full AIP Descriptor.

INHERITS_FROM: intentity.id

Data Entity Attributes:**NAME: aips.id**

DEFINITION: Primary key for the aips table.

OBLIGATION: Mandatory

HOW_OBTAINED:

MAXIMUM_OCCURRENCE: 'n'

VALUE_TYPE: Identifier

MAXIMUM_SIZE: 50?

COMMENT: VARCHAR(50)

INHERITANCE: Identifier

VALUE_EXAMPLE: 345

PREMIS_NOTES: N/A?

SCOPE: data

NAME: aips.xml

DEFINITION: The complete AIP xml descriptor

OBLIGATION: Mandatory

HOW_OBTAINED:

MAXIMUM_OCCURRENCE: 'n'

VALUE_TYPE: Text

MAXIMUM_SIZE: no maximum?

COMMENT: LONGTEXT

INHERITANCE: not_inheritable

VALUE_EXAMPLE: See Appendix A

PREMIS_NOTES:

SCOPE: data

NAME: aips.xml_errata

DEFINITION: AIP descriptor validation errors

OBLIGATION: Optional

HOW_OBTAINED:

MAXIMUM_OCCURRENCE: 'n'

VALUE_TYPE: Text

MAXIMUM_SIZE: no maximum?

COMMENT: LONGTEXT

INHERITANCE: not_inheritable

VALUE_EXAMPLE:

PREMIS_NOTES:

SCOPE: data

NAME: aips.datafile_count

DEFINITION: The number of data files in the AIP (rC + AIP descriptor and schema tarfiles (what about the deep integrity manifest?))

OBLIGATION: Mandatory

HOW_OBTAINED:

MAXIMUM_OCCURRENCE: 'n'

VALUE_TYPE: Integer

MAXIMUM_SIZE: 10

COMMENT: INT(10)UNSIGNED

INHERITANCE: not_inheritable

VALUE_EXAMPLE: 3501

PREMIS NOTES:

SCOPE: data

NAME: aips.package_id

DEFINITION: The unique Intellectual Entity ID (IEID) of the AIP

OBLIGATION: Mandatory

HOW_OBTAINED:

MAXIMUM_OCCURRENCE: 'n'

VALUE_TYPE: Integer

MAXIMUM_SIZE: 10

COMMENT: INT(10)UNSIGNED

INHERITANCE: not_inheritable

VALUE_EXAMPLE: E000019JV_UWTOKG

PREMIS NOTES:

SCOPE: data

DATA ENTITY NAME: audios**CLASS:****DEFINITION:****INHERITS_FROM:** datafiles.id**Data Entity Attributes:****NAME:** **audios.id** 'int(10) unsigned', 'NO', 'PRI', '', 'auto_increment'**DEFINITION:****OBLIGATION:** Mandatory**MAXIMUM_OCCURRENCE:****HOW_OBTAINED:****VALUE_TYPE:****MAXIMUM_SIZE:****COMMENT:****INHERITANCE:****VALUE_EXAMPLE:****PREMIS_NOTES:****SCOPE:** data**NAME:** **audios.encoding****DEFINITION:****OBLIGATION:** Optional**HOW_OBTAINED:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:** Text**MAXIMUM_SIZE:** 50**COMMENT:** VARCHAR(50)**INHERITANCE:****VALUE_EXAMPLE:****PREMIS_NOTES:****SCOPE:** data**NAME:** **audios.sampling_frequency****DEFINITION:****OBLIGATION:** Optional**HOW_OBTAINED:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:****MAXIMUM_SIZE:****COMMENT:** FLOAT**INHERITANCE:****VALUE_EXAMPLE:****PREMIS_NOTES:****SCOPE:** data**NAME:** **audios.bit_depth****DEFINITION:****OBLIGATION:** Optional**HOW_OBTAINED:**

MAXIMUM_OCCURRENCE:
VALUE_TYPE: Integer
MAXIMUM_SIZE: 11
COMMENT: INT(11)
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: audios.channels

DEFINITION:
OBLIGATION: Optional
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Integer
MAXIMUM_SIZE: 11
COMMENT:
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: audios.duration

DEFINITION:
OBLIGATION: Optional
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Integer
MAXIMUM_SIZE: 11
COMMENT: INT(11)
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: audios.channel_map

DEFINITION:
OBLIGATION: Optional
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Text
MAXIMUM_SIZE: 50
COMMENT:
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: audios.datafile_id

DEFINITION:

OBLIGATION: Optional
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Text
MAXIMUM_SIZE: 100
COMMENT: VARCHAR(100)
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: **audios.bitstream_id**

DEFINITION:
OBLIGATION: Optional
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Text
MAXIMUM_SIZE: 100
COMMENT: VARCHAR(100)
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

DATA ENTITY NAME: batches**CLASS:** data_field**DEFINITION:** Stores the name of the batch (list) to which a package belongs. Batch names are additional access points to one or more packages.**Attributes:****NAME: batches.id****DEFINITION:** A unique code that identifies the batch name.**OBLIGATION:** Mandatory**HOW_OBTAINED:** Operator-assigned through Admin GUI**MAXIMUM_OCCURRENCE:** 'n'**VALUE_TYPE:** Identifier**MAXIMUM_SIZE:** 50 characters**COMMENT:****INHERITANCE:** not_inheritable**VALUE_EXAMPLE:** test_batch_1**PREMIS_NOTES:** N/A**SCOPE:** data

DATA ENTITY NAME: bitstreams**CLASS:**

DEFINITION: Represents an image, text, audio, video, or other type of data embedded in a datafile. Datafiles may have links to multiple bitstreams. Some file formats, such as TIFF, are considered “containers” and always contain one bitstream representing the “contents” and may also contain additional bitstreams embedded in the “contents” bitstream.

INHERITS_FROM: datafile.id

Data Entity Attributes:**NAME: bitstreams.id**

DEFINITION: Primary key for bitstreams table.
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE: ‘n’
VALUE_TYPE: Identifier
MAXIMUM_SIZE: 100
COMMENT: VARCHAR(100)
INHERITANCE: root is inherited from datafiles.id
VALUE_EXAMPLE: test:/E0000194J_WLPYTH/file/0/11
PREMIS_NOTES:
SCOPE: data

NAME: bitstreams.size

DEFINITION:
OBLIGATION: Optional
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Integer
MAXIMUM_SIZE: 11
COMMENT: INT(11)
INHERITANCE:
VALUE_EXAMPLE: no examples yet (why not?)
PREMIS_NOTES:
SCOPE: data

NAME: bitstreams.datafile_id

DEFINITION: The object ID of the data file containing this bitstream.
OBLIGATION:
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE:
MAXIMUM_SIZE:
COMMENT: VARCHAR(100) MUL; inherited from datafiles.id
INHERITANCE: inheritable
VALUE_EXAMPLE: test:/E0000194J_WLPYTH/file/0
PREMIS_NOTES:

SCOPE: data

DATA ENTITY NAME: broken_links**CLASS:****DEFINITION:** schemas referenced in XML files that DAITSS can't download.**INHERITS_FROM:** datafiles.id**Data Entity Attributes:****NAME: broken_links.datafile_id****DEFINITION:** datafiles.id of XML file with schemas that XML Resolution can't resolve**OBLIGATION:** Mandatory**HOW_OBTAINED:** XML resolution service assigns**MAXIMUM_OCCURRENCE:****VALUE_TYPE:** Identifier**MAXIMUM_SIZE:** 100**COMMENT:** VARCHAR(100)**INHERITANCE:** inheritable**VALUE_EXAMPLE:** info:fda/EQSXU4DVU_THI2JD/file/85**PREMIS_NOTES:****SCOPE:** data**NAME: broken_links.broken_links****DEFINITION:** URL of schema that could not be retrieved by XML Resolution Service**OBLIGATION:****HOW_OBTAINED:** XML resolution service**MAXIMUM_OCCURRENCE:****VALUE_TYPE:** Text**MAXIMUM_SIZE:****COMMENT:****INHERITANCE:****VALUE_EXAMPLE:** <http://www.loc.gov/mods/v3/mods-3-3.xsd>**PREMIS_NOTES:****SCOPE:** data**MIGRATION_NOTES:**

DATA ENTITY NAME: copies**CLASS:****DEFINITION:** Table where information about the AIP tarfile is stored.**INHERITS_FROM:****Data Entity Attributes:****NAME: copies.id****DEFINITION:** Primary key for the copies table**OBLIGATION:****HOW_OBTAINED:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:** identifier**MAXIMUM_SIZE:****COMMENT:** INT(11)**INHERITANCE:****VALUE_EXAMPLE:** 36374**PREMIS_NOTES:****SCOPE:** data**NAME: copies.url****DEFINITION:** The URL of the AIP in DAITSS archival storage**OBLIGATION:****HOW_OBTAINED:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:** text**MAXIMUM_SIZE:** 2000**COMMENT:** VARCHAR(2000)**INHERITANCE:****VALUE_EXAMPLE:** http://storemaster.fda.fcla.edu:70/packages/E20080320_AAAAAT.000**PREMIS_NOTES:****SCOPE:** data**NAME: copies.sha1****DEFINITION:** Value of the sha1 algorithm for the AIP**OBLIGATION:****HOW_OBTAINED:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:** text**MAXIMUM_SIZE:** 40**COMMENT:** VARCHAR(40)**INHERITANCE:****VALUE_EXAMPLE:** 9b59565f8a077bb74812de861f7d4aef909949f6**PREMIS_NOTES:****SCOPE:** data**NAME: copies.md5****DEFINITION:** Value of the md5 algorithm for the AIP

OBLIGATION:
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE:
MAXIMUM_SIZE: 40
COMMENT: VARCHAR(40)
INHERITANCE:
VALUE_EXAMPLE: 3bb1ef5740629ab4a3dff031f4857cc3
PREMIS_NOTES:
SCOPE: data

NAME: copies.size

DEFINITION: Size in bytes of the AIP
OBLIGATION:
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: integer
MAXIMUM_SIZE:
COMMENT: bigint
INHERITANCE:
VALUE_EXAMPLE: 162334720
PREMIS_NOTES:
SCOPE: data

NAME: copies.timestamp

DEFINITION: When the copy was stored in DAITSS Archival Storage
OBLIGATION:
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE:
MAXIMUM_SIZE:
COMMENT:
INHERITANCE:
VALUE_EXAMPLE: 2011-09-30 16:54:08.311807-04
PREMIS_NOTES:
SCOPE: data

NAME: copies.aip_id

DEFINITION: link to aips table aips.id
OBLIGATION:
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE:
MAXIMUM_SIZE:
COMMENT:
INHERITANCE:
VALUE_EXAMPLE: 3425
PREMIS_NOTES:
SCOPE: data

DATA ENTITY NAME: datafile_severe_elements**CLASS:**

DEFINITION: Links datafiles and severe_elements. Contains content file format anomalies; from jhove2.

INHERITS_FROM: datafiles.id, severe_elements.id

Data Entity Attributes:**NAME: datafile_severe_elements.id**

DEFINITION: Primary key for datafile_severe_elements table.

OBLIGATION: Mandatory

HOW_OBTAINED:

MAXIMUM_OCCURRENCE:

VALUE_TYPE: Identifier

MAXIMUM_SIZE: 10

COMMENT: INT(10) UNSIGNED

INHERITANCE:

VALUE_EXAMPLE: 3

PREMIS_NOTES:

SCOPE: data

MIGRATION_NOTES:

NAME: datafile_severe_elements.datafile_id

DEFINITION: The datafiles.id of the datafile.

OBLIGATION: Optional

HOW_OBTAINED:

MAXIMUM_OCCURRENCE: 'n'

VALUE_TYPE: Text

MAXIMUM_SIZE: 100

COMMENT: VARCHAR(100) MUL

INHERITANCE: inheritable from datafiles.id?

VALUE_EXAMPLE: info:fda/EDUTZDPUN_A5W35T/file/14

PREMIS_NOTES:

SCOPE: data

MIGRATION_NOTES:

NAME: datafile_severe_elements.severe_element_id

DEFINITION: link to severe_elements table

OBLIGATION: Mandatory

HOW_OBTAINED:

MAXIMUM_OCCURRENCE: 'n'

VALUE_TYPE: Integer

MAXIMUM_SIZE: 10

COMMENT: INT(10) UNSIGNED

INHERITANCE: inheritable (from severe_elements.id)

VALUE_EXAMPLE: 2

PREMIS_NOTES:

SCOPE: data

DATA ENTITY NAME: datafiles**CLASS:****DEFINITION:** Stores data about each content file archived in the repository.**INHERITS_FROM:****Data Entity Attributes:****NAME: datafiles.id****DEFINITION:****OBLIGATION:** Mandatory**HOW_OBTAINED:****MAXIMUM_OCCURRENCE:** 'n'**VALUE_TYPE:** Identifier**MAXIMUM_SIZE:** 100**COMMENT:** VARCHAR(100)**INHERITANCE:** based on AIP's IEID**VALUE_EXAMPLE:** info:fda?:/E0000194J_WLPYTH/file/26**PREMIS_NOTES:** objectIdentifierValue**SCOPE:** data**NAME: datafiles.size****DEFINITION:** Total size in bytes of the data file**OBLIGATION:** Mandatory**HOW_OBTAINED:****MAXIMUM_OCCURRENCE:** 'n'**VALUE_TYPE:** Integer**MAXIMUM_SIZE:** 11**COMMENT:** INT(11)**INHERITANCE:** not_inheritable**VALUE_EXAMPLE:** 2202813**PREMIS_NOTES:****SCOPE:** data**NAME: datafiles.create_date****DEFINITION:** The date and time that this file was last modified before submission to the archive, if known. If that date/time is not known, then it is the date/time that this file was first created. If that date/time is not known, then it is the date/time that a record of this file was inserted into the archive database.**OBLIGATION:** Optional**HOW_OBTAINED:** Assigned by the ingest program (description service?). For original (submitted) objects, the date is taken from the file contents itself, if possible. Otherwise, the date can be taken from the file's initial descriptor, if possible. For normalized and migrated objects, this is the date the object was created by the Archive.**MAXIMUM_OCCURRENCE:** 'n'**VALUE_TYPE:** Text (datetime)**MAXIMUM_SIZE:** depends on database?**COMMENT:** DATETIME

INHERITANCE: not_inheritable
VALUE_EXAMPLE: 2007-09-12 04:35:52
PREMIS_NOTES:
SCOPE: data

NAME: datafiles.origin

DEFINITION: The origin of this file
OBLIGATION: Mandatory
HOW_OBTAINED: default = ORIGIN_UNKNOWN, the value of the origin is validated by the check_origin method
MAXIMUM_OCCURRENCE: 3
VALUE_TYPE: Enumeration
MAXIMUM_SIZE: 10
ENUMERATION_VALUES: (ORIGIN_ARCHIVE, DEPOSITOR, ORIGIN_UNKNOWN)
COMMENT: VARCHAR(10)
INHERITANCE: not_inheritable
VALUE_EXAMPLE: DEPOSITOR
PREMIS_NOTES:
SCOPE: data

NAME: datafiles.original_path

DEFINITION: The file name relative to the source of the file. The various versions of a specific file?
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE: Enumeration
MAXIMUM_SIZE: 255
ENUMERATION_VALUES: (sip-files,aip-files)
COMMENT: VARCHAR(255)
INHERITANCE: not_inheritable
VALUE_EXAMPLES: sip-files/001.tif, aip-files/1-norm-1.wav, aip-files/1-mig-1.wav
PREMIS_NOTES:
SCOPE: data

NAME: datafiles.creating_application

DEFINITION: The name of the software program that created the archival object, and the software version if known.
OBLIGATION: Optional
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE:
MAXIMUM_SIZE:
COMMENT: VARCHAR(255)
INHERITANCE:
VALUE_EXAMPLE: Acrobat Distiller 6.0.0 pour Macintosh
PREMIS_NOTES: 1.5.5.1 creatingApplicationName (+ creatingApplicationVersion)
SCOPE: data

NAME: datafiles.is_sip_descriptor

DEFINITION: A flag that indicates whether the datafile is the original SIP descriptor file.

OBLIGATION: Optional

HOW_OBTAINED:

MAXIMUM_OCCURRENCE:

VALUE_TYPE:

MAXIMUM_SIZE:

COMMENT: VARCHAR(255)

INHERITANCE:

VALUE_EXAMPLE:

PREMIS_NOTES:

SCOPE: data

NAME: datafiles.r0

DEFINITION: Representation zero flag indicating that the datafile is and original supplied by the depositor and is not a normalized or migrated version created by DAITSS

OBLIGATION: Conditional

CONDITION: Mandatory when datafiles.origin=depositor

HOW_OBTAINED:

MAXIMUM_OCCURRENCE:

VALUE_TYPE: Enumeration

MAXIMUM_SIZE:

ENUMERATION VALUES: (t,f)

COMMENT: boolean

INHERITANCE:

VALUE_EXAMPLE: t

PREMIS_NOTES:

SCOPE: data

NAME: datafiles.rn

DEFINITION: Representation 'n' flag.

OBLIGATION: Optional

HOW_OBTAINED:

MAXIMUM_OCCURRENCE: 'n'

VALUE_TYPE: Enumeration

MAXIMUM_SIZE:

ENUMERATION VALUES: (t,f)

COMMENT: boolean

INHERITANCE:

VALUE_EXAMPLE: f

PREMIS_NOTES:

SCOPE: data

NAME: datafiles.rc

DEFINITION: Current Representation flag

OBLIGATION: Optional

HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Enumeration
MAXIMUM_SIZE:
ENUMERATION_VALUES: (t,f)
COMMENT: boolean
INHERITANCE:
VALUE_EXAMPLE: t
PREMIS_NOTES:
SCOPE: data

NAME: **datafiles.intentivity_id**

DEFINITION: link to intentivities table.
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Text
MAXIMUM_SIZE: 100
COMMENT: VARCHAR(100) MUL. Inherited from intentivity.ieid
INHERITANCE: inheritable
VALUE_EXAMPLE: test:/E0000194J_WLPYTH
PREMIS_NOTES:
SCOPE: data

DATA ENTITY NAME: documents**CLASS:****DEFINITION:****INHERITS_FROM:****Data Entity Attributes:****NAME: documents.id**

DEFINITION: Primary key for documents table
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Identifier
MAXIMUM_SIZE:
COMMENT: INT(10) UNSIGNED AUTO_INCREMENT
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: documents.page_count

DEFINITION:
OBLIGATION: Optional
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Integer
MAXIMUM_SIZE: 11
COMMENT: INT(11)
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: documents.word_count

DEFINITION:
OBLIGATION: Optional
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Integer
MAXIMUM_SIZE: 11
COMMENT: INT(11)
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: documents.character_count**DEFINITION:**

OBLIGATION: Optional
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Integer
MAXIMUM_SIZE: 11
COMMENT: INT(11)
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: documents.paragraph_count

DEFINITION:
OBLIGATION: Optional
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE:
MAXIMUM_SIZE:
COMMENT: INT(11)
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: documents.line_count

DEFINITION:
OBLIGATION: Optional
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Integer
MAXIMUM_SIZE: 11
COMMENT: INT(11)
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: documents.table_count

DEFINITION:
OBLIGATION: Optional
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE:
MAXIMUM_SIZE:
COMMENT: INT(11)
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: documents.graphics_count

DEFINITION:
OBLIGATION: Optional
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE:
MAXIMUM_SIZE:
COMMENT: INT(11)
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: documents.language

DEFINITION:
OBLIGATION: Optional
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE:
MAXIMUM_SIZE:
COMMENT: VARCHAR(50)
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: documents.features

DEFINITION:
OBLIGATION: Optional
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Integer
MAXIMUM_SIZE: 11
COMMENT: INT(11)
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: documents.datafile_id

DEFINITION:
OBLIGATION: Optional? shouldn't this be Mandatory?
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Text
MAXIMUM_SIZE: 100
COMMENT: VARCHAR(100)

INHERITANCE:
VALUE_EXAMPLE: test:/E0000194J_WLPYTH/file/0
PREMIS_NOTES:
SCOPE: data

NAME: documents.bitstream_id

DEFINITION:
OBLIGATION:
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Text
MAXIMUM_SIZE: 100
COMMENT: VARCHAR(100)
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

DATA ENTITY NAME: entries**CLASS:**

DEFINITION: A record of significant Operations actions executed via the Work Flow Interface. Accessed via the "logs" tab in Boss.

INHERITS_FROM:**Data Entity Attributes:****NAME: entries. id**

DEFINITION: Primary key for entries table
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Identifier
MAXIMUM_SIZE:
COMMENT: INT(10) UNSIGNED AUTO_INCREMENT
INHERITANCE:
VALUE_EXAMPLE: 921
PREMIS_NOTES:
SCOPE: data

NAME: entries. timestamp

DEFINITION: Time that the operation was recorded in the database (local time).
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE:
MAXIMUM_SIZE:
COMMENT: timestamp without time zone
INHERITANCE:
VALUE_EXAMPLE: 2010-09-23 15:01:08
PREMIS_NOTES:
SCOPE: data

NAME: entries. message

DEFINITION: Description of the operation
OBLIGATION: Mandatory
HOW_OBTAINED: Message is either system-generated based on actions performed via Boss (give more detail) or is entered by an operator via the "add a log entry" input box.
MAXIMUM_OCCURRENCE:
VALUE_TYPE: text
MAXIMUM_SIZE:
COMMENT: text
INHERITANCE:
VALUE_EXAMPLE: new project: FDA
PREMIS_NOTES:
SCOPE: data

DATA ENTITY NAME: events**CLASS:****DEFINITION:** Distinguish between these and PREMIS events**INHERITS_FROM:****Data Entity Attributes:****NAME: events.id****DEFINITION:** Primary key for the events table.**OBLIGATION:** Mandatory**HOW_OBTAINED:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:** Identifier**MAXIMUM_SIZE:** 10**COMMENT:** INT(10)**INHERITANCE:****VALUE_EXAMPLE:** 235**PREMIS_NOTES:****SCOPE:** data**NAME: events.timestamp****DEFINITION:****OBLIGATION:** Mandatory**HOW_OBTAINED:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:****MAXIMUM_SIZE:****COMMENT:** DATETIME**INHERITANCE:****VALUE_EXAMPLE:** 2010-05-14 09:28:23**PREMIS_NOTES:****SCOPE:** data**NAME: events.name****DEFINITION:****OBLIGATION:** Mandatory**HOW_OBTAINED:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:** Enumeration**MAXIMUM_SIZE:****ENUMERATION_VALUES:** (Package submission, Ingest, SNAFU, UNSNAFU, STASH, UNSTASH, STOP, Comparator Success, Comparator Failure)**COMMENT:** VARCHAR(50)**INHERITANCE:****VALUE_EXAMPLE:****PREMIS_NOTES:****SCOPE:** data

NAME: events. notes**DEFINITION:****OBLIGATION:** Optional?**CONDITION:****HOW_OBTAINED:** For event_name='UNSNAFU' or 'STASH' or 'UNSTASH' or 'STOP', entered by Operator; for other events.name written by application.**MAXIMUM_OCCURRENCE:****VALUE_TYPE:** Text**MAXIMUM_SIZE:** depends on the database, e.g., MySQL**COMMENT:** TEXT**INHERITANCE:****VALUE_EXAMPLE:** submitter_ip: 127.0.0.1, archive_type: tar, submitted_package_checksum: cf6ace6e5e0220d12c672419da27c4d0, outcome: success**PREMIS_NOTES:****SCOPE:** data**NAME: events. package_id****DEFINITION:****OBLIGATION:** Mandatory**HOW_OBTAINED:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:** Text**MAXIMUM_SIZE:** 50**COMMENT:****INHERITANCE:****VALUE_EXAMPLE:****PREMIS_NOTES:****SCOPE:** data**NAME: events. agent_id****DEFINITION:** The ID of the Operations Agent performing the event.**OBLIGATION:** Mandatory**HOW_OBTAINED:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:** Integer**MAXIMUM_SIZE:** 10**COMMENT:** INT(10) UNSIGNED MUL**INHERITANCE:****VALUE_EXAMPLE:****PREMIS_NOTES:****SCOPE:** data

DATA ENTITY NAME: fonts**CLASS:****DEFINITION:****INHERITS_FROM:****Data Entity Attributes:****NAME: fonts.id** ', 'INT(10) UNSIGNED', 'NO', 'PRI', '', 'AUTO_INCREMENT'**DEFINITION:****OBLIGATION:****HOW_OBTAINED:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:****MAXIMUM_SIZE:****COMMENT:****INHERITANCE:****VALUE_EXAMPLE:****PREMIS_NOTES:****SCOPE:** data**NAME: fonts.fontname** ', 'VARCHAR(50)', 'YES', "", "", "**DEFINITION:****OBLIGATION:****HOW_OBTAINED:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:****MAXIMUM_SIZE:****COMMENT:****INHERITANCE:****VALUE_EXAMPLE:****PREMIS_NOTES:****SCOPE:** data**NAME: fonts.embedded** ', 'TINYINT(1)', 'YES', "", "", "**DEFINITION:****OBLIGATION:****HOW_OBTAINED:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:****MAXIMUM_SIZE:****COMMENT:****INHERITANCE:****VALUE_EXAMPLE:****PREMIS_NOTES:****SCOPE:** data**NAME: fonts.document_id** ', 'INT(10) UNSIGNED', 'NO', 'MUL', "", "**DEFINITION:****OBLIGATION:**

HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE:
MAXIMUM_SIZE:
COMMENT:
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

DATA ENTITY NAME: formats**CLASS:****DEFINITION:****INHERITS_FROM:****Data Entity Attributes:****NAME: formats.id****DEFINITION:****OBLIGATION:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:****MAXIMUM_SIZE:****COMMENT:****INHERITANCE:****VALUE_EXAMPLE:****PREMIS_NOTES:****SCOPE: data****NAME: formats.registry****DEFINITION:****OBLIGATION:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:****MAXIMUM_SIZE:****COMMENT:****INHERITANCE:****VALUE_EXAMPLE:****PREMIS_NOTES:****SCOPE: data****NAME: formats.registry_id****DEFINITION:****OBLIGATION:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:****MAXIMUM_SIZE:****COMMENT:****INHERITANCE:****VALUE_EXAMPLE:****PREMIS_NOTES:****SCOPE: data****NAME: formats.format_name****DEFINITION:****OBLIGATION:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:****MAXIMUM_SIZE:**

COMMENT:
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: **formats.format_version**

DEFINITION:
OBLIGATION:
MAXIMUM_OCCURRENCE:
VALUE_TYPE:
MAXIMUM_SIZE:
COMMENT:
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: **formats.format_variation**

DEFINITION:
OBLIGATION:
MAXIMUM_OCCURRENCE:
VALUE_TYPE:
MAXIMUM_SIZE:
COMMENT:
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

DATA ENTITY NAME: images**CLASS:****DEFINITION:****INHERITS_FROM:****Data Entity Attributes:**

NAME: images.id 'ID', 'INT(10) UNSIGNED', 'NO', 'PRI', '', 'AUTO_INCREMENT'

DEFINITION:**OBLIGATION:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:****MAXIMUM_SIZE:****COMMENT:****INHERITANCE:****VALUE_EXAMPLE:****PREMIS_NOTES:****SCOPE:** data

NAME: images.width ', 'INT(11)', 'YES', "", "", "

DEFINITION:**OBLIGATION:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:****MAXIMUM_SIZE:****COMMENT:****INHERITANCE:****VALUE_EXAMPLE:****PREMIS_NOTES:****SCOPE:** data

NAME: images.height ', 'INT(11)', 'YES', "", "", "

DEFINITION:**OBLIGATION:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:****MAXIMUM_SIZE:****COMMENT:****INHERITANCE:****VALUE_EXAMPLE:****PREMIS_NOTES:****SCOPE:** data

NAME: images.compression_scheme ', 'INT(11)', 'YES', "", '1', "

DEFINITION:**OBLIGATION:**

MAXIMUM_OCCURRENCE:**VALUE_TYPE:****MAXIMUM_SIZE:****COMMENT:****INHERITANCE:****VALUE_EXAMPLE:****PREMIS_NOTES:****SCOPE:** data**NAME:** images. color_space ', 'INT(11)', 'YES', '', '1', ''**DEFINITION:****OBLIGATION:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:****MAXIMUM_SIZE:****COMMENT:****INHERITANCE:****VALUE_EXAMPLE:****PREMIS_NOTES:****SCOPE:** data**NAME:** images. orientation ', 'INT(11)', 'YES', '', '9', ''**DEFINITION:****OBLIGATION:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:****MAXIMUM_SIZE:****COMMENT:****INHERITANCE:****VALUE_EXAMPLE:****PREMIS_NOTES:****SCOPE:** data**NAME:** images. sample_frequency_unit ', 'INT(11)', 'YES', '', '', ''**DEFINITION:****OBLIGATION:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:****MAXIMUM_SIZE:****COMMENT:****INHERITANCE:****VALUE_EXAMPLE:****PREMIS_NOTES:****SCOPE:** data**NAME:** images. x_sampling_frequency ', 'FLOAT', 'YES', '', '', ''**DEFINITION:****OBLIGATION:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:**

MAXIMUM_SIZE:
COMMENT:
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: images.y_sampling_frequency ', 'FLOAT', 'YES', '', '', ''

DEFINITION:
OBLIGATION:
MAXIMUM_OCCURRENCE:
VALUE_TYPE:
MAXIMUM_SIZE:
COMMENT:
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: images. bits_per_sample ', 'VARCHAR(50)', 'YES', '', '', ''

DEFINITION:
OBLIGATION:
MAXIMUM_OCCURRENCE:
VALUE_TYPE:
MAXIMUM_SIZE:
COMMENT:
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: images. samples_per_pixel ', 'INT(11)', 'YES', '', '', ''

DEFINITION:
OBLIGATION:
MAXIMUM_OCCURRENCE:
VALUE_TYPE:
MAXIMUM_SIZE:
COMMENT:
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: images. extra_samples ', 'INT(11)', 'YES', '', '', ''

DEFINITION:
OBLIGATION:
MAXIMUM_OCCURRENCE:
VALUE_TYPE:
MAXIMUM_SIZE:

COMMENT:
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: images. datafile_id ', 'VARCHAR(100)', 'YES', '', '', ''

DEFINITION:
OBLIGATION:
MAXIMUM_OCCURRENCE:
VALUE_TYPE:
MAXIMUM_SIZE:
COMMENT:
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: images. bitstream_id ', 'VARCHAR(100)', 'YES', '', '', ''

DEFINITION:
OBLIGATION:
MAXIMUM_OCCURRENCE:
VALUE_TYPE:
MAXIMUM_SIZE:
COMMENT:
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

DATA ENTITY NAME: intentities**CLASS:**

DEFINITION: Metadata about the Intellectual Entity contained in the AIP. Each SIP/AIP represents one Intellectual Entity, e.g., a book or a serial issue.

INHERITS_FROM: projects.id

Data Entity Attributes:**NAME: intentities.id**

DEFINITION: Intellectual Entity ID. Primary key for the intentities table.

OBLIGATION:

HOW_OBTAINED: Generated by xxx at the time of submission of the SIP

MAXIMUM_OCCURRENCE:

VALUE_TYPE: Identifier

MAXIMUM_SIZE: 100

COMMENT: VARCHAR(100)

INHERITANCE:

VALUE_EXAMPLE: test:/E0000194J_WLPYTH

PREMIS_NOTES:

SCOPE: data

NAME: intentities. original_name

DEFINITION: SIP name.

OBLIGATION: Optional?

HOW_OBTAINED: From the submission client.

MAXIMUM_OCCURRENCE:

VALUE_TYPE: Text

MAXIMUM_SIZE: 32

COMMENT: VARCHAR(32)

INHERITANCE: not_inheritable

VALUE_EXAMPLE: UF00095774_00066

PREMIS_NOTES:

SCOPE: data

NAME: intentities. entity_id

DEFINITION: A unique, pre-existing identifier for the intellectual entity or serial.

OBLIGATION: Optional

HOW_OBTAINED: Obtained by xxx service from the OBJID element of the SIP descriptor's METS root element

MAXIMUM_OCCURRENCE:

VALUE_TYPE: Text

MAXIMUM_SIZE: 50

COMMENT: VARCHAR(50)

INHERITANCE: not_inheritable

VALUE_EXAMPLE: UF00095774_00066

PREMIS_NOTES:

SCOPE: data

NAME: intentities. volume

DEFINITION: If the intellectual entity is a serial issue, the volume in which the issue appears.
OBLIGATION: Optional
HOW_OBTAINED: From structMap top-level <div> LABEL or dmdSec
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Text
MAXIMUM_SIZE: 50
COMMENT: VARCHAR(50)
INHERITANCE:
VALUE_EXAMPLE: v. 2
PREMIS_NOTES:
SCOPE: data

NAME: intentities. issue

DEFINITION: If the intellectual entity is a serial issue, the number of the issue.
OBLIGATION: Optional
HOW_OBTAINED: From structMap or dmdSec
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Text
MAXIMUM_SIZE: 50
COMMENT: VARCHAR(50)
INHERITANCE: not_inheritable
VALUE_EXAMPLE: non-numeric examples?
PREMIS_NOTES:
SCOPE: data

NAME: intentities. title

DEFINITION: The title by which the intellectual entity is known.
OBLIGATION: Optional
HOW_OBTAINED: From dmdSec of SIP descriptor (give details for MARC, MODS, DC)
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Text
MAXIMUM_SIZE: depends on database?
COMMENT: TEXT
INHERITANCE: not_inheritable
VALUE_EXAMPLE: Journal de Saint-Barth
PREMIS_NOTES:
SCOPE: data

NAME: intentities. project_id

DEFINITION: Link to projects table
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Integer
MAXIMUM_SIZE: 10
COMMENT: INT(10) UNSIGNED MUL

INHERITANCE: inheritable
VALUE_EXAMPLE: 4
PREMIS_NOTES:
SCOPE: data

DATA ENTITY NAME: message_digests**CLASS:****DEFINITION:** Stores the values of different types of message digest algorithms.**INHERITS_FROM:****Data Entity Attributes:****NAME: message_digests.id****DEFINITION:** Primary key for message_digests table**OBLIGATION:** Mandatory**HOW_OBTAINED:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:** Identifier**MAXIMUM_SIZE:** 10**COMMENT:** INT(10) AUTO_INCREMENT**INHERITANCE:****VALUE_EXAMPLE:** 12**PREMIS_NOTES:****SCOPE:** data**NAME: message_digests.code****DEFINITION:** Name of message digest algorithm.**OBLIGATION:** Optional**HOW_OBTAINED:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:** Enumeration**MAXIMUM_SIZE:****ENUMERATION_VALUES:** (md5,sha1,crc32)**COMMENT:** INT(11)**INHERITANCE:****VALUE_EXAMPLE:** md5**PREMIS_NOTES:****SCOPE:** data**NAME: message_digests.value****DEFINITION:****OBLIGATION:** Mandatory**HOW_OBTAINED:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:** Text**MAXIMUM_SIZE:** 255**COMMENT:** VARCHAR(255)**INHERITANCE:****VALUE_EXAMPLE:** 6dd07529c6da8178ce40f1d9ea62ab465c8a462a**PREMIS_NOTES:****SCOPE:** data

NAME: message_digests. origin

DEFINITION: (1=archive 2=depositor?)
OBLIGATION:
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Enumeration
MAXIMUM_SIZE:
ENUMERATION_VALUES: (unknown,archive,depositor)
COMMENT: INT(11)
INHERITANCE:
VALUE_EXAMPLE: archive
PREMIS_NOTES:
SCOPE: data

NAME: message_digests. datafile_id

DEFINITION: Link to datafiles table
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Text
MAXIMUM_SIZE: 100
COMMENT: VARCHAR(100) MUL
INHERITANCE: inheritable
VALUE_EXAMPLE: test:/E0000194J_WLPYTH/file/70
PREMIS_NOTES:
SCOPE: data

DATA ENTITY NAME: object_formats**CLASS:****DEFINITION:****INHERITS_FROM:****Data Entity Attributes:**

NAME: object_formats. id ', 'INT(10) UNSIGNED', 'NO', 'PRI', '', 'AUTO_INCREMENT'

DEFINITION:**OBLIGATION:****HOW_OBTAINED:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:** Identifier**MAXIMUM_SIZE:****COMMENT:****INHERITANCE:****VALUE_EXAMPLE:** 10**PREMIS_NOTES:****SCOPE:** data

NAME: object_formats. type ', 'INT(11)', 'YES', '', '1', ''

DEFINITION:**OBLIGATION:****HOW_OBTAINED:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:** Enumeration**MAXIMUM_SIZE:****ENUMERATION_VALUES:** (primary,secondary)**COMMENT:****INHERITANCE:****VALUE_EXAMPLE:** primary**PREMIS_NOTES:****SCOPE:** data

NAME: object_formats. datafile_id ', 'VARCHAR(100)', 'YES', '', '', ''

DEFINITION:**OBLIGATION:** Conditional? (required if related to datafile)**HOW_OBTAINED:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:****MAXIMUM_SIZE:****COMMENT:** value is null if bitstream_id is populated**INHERITANCE:** inheritable**VALUE_EXAMPLE:** test:/E0000194J_WLPYTH/file/37**PREMIS_NOTES:****SCOPE:** data

NAME: object_formats. bitstream_id

DEFINITION:
OBLIGATION: Conditional? (required if related to bitstream)
CONDITION: value is null if datafile_id is populated
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE:
MAXIMUM_SIZE:
COMMENT: VARCHAR(100)
INHERITANCE: inheritable
VALUE_EXAMPLE: test:/E0000194J_WLPYTH/file/37/1
PREMIS_NOTES:
SCOPE: data

NAME: object_formats. format_id

DEFINITION:
OBLIGATION:
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Integer
MAXIMUM_SIZE: 10
COMMENT: INT(10) UNSIGNED MUL
INHERITANCE: inheritable (from formats.id?)
VALUE_EXAMPLE: 11
PREMIS_NOTES:
SCOPE: data

DATA ENTITY NAME: packages**CLASS:**

DEFINITION: Information about all package submission attempts. Created at the time of successful or failed submission?

INHERITS_FROM:**Data Entity Attributes:****NAME: packages.id**

DEFINITION: Primary key for packages table. (IEID?)
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Identifier
MAXIMUM_SIZE: 50
COMMENT: VARCHAR(50)
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: packages.project_id

DEFINITION: Project code for this package
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Identifier
MAXIMUM_SIZE: 50
COMMENT: VARCHAR(50)
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: packages.project_account_id

DEFINITION: what's a project_account?
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Identifier
MAXIMUM_SIZE: 50
COMMENT: VARCHAR(50)
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

DATA ENTITY NAME: premis_agents

CLASS: model?
DEFINITION: PREMIS agents

Data Entity Attributes:**NAME: premis_agents.id**

DEFINITION: Primary key for premis_agents entity, complying with PREMIS syntax for 3.1.2 agentIdentifierValue
OBLIGATION: Mandatory
HOW_OBTAINED: ?
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE: Identifier
MAXIMUM_SIZE: 255
COMMENT: VARCHAR
INHERITANCE: not_inheritable
VALUE_EXAMPLE: info:fcla/daitss/xmlresolution/1.1.2
PREMIS_NOTES: 3.1.2 agentIdentifierValue
SCOPE: data

NAME: premis_agents.name

DEFINITION:
OBLIGATION: Optional
HOW_OBTAINED:
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE: Text
MAXIMUM_SIZE: 255
COMMENT: VARCHAR(255); PREMIS agentName
INHERITANCE: not_inheritable
VALUE_EXAMPLE: XML Resolution Service
PREMIS_NOTES: 3.2 agentName
SCOPE: data

NAME: premis_agents.type

DEFINITION:
OBLIGATION: Mandatory?
HOW_OBTAINED:
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE: Enumeration
MAXIMUM_SIZE: 11
ENUMERATION_VALUES: (software,person,organization)
COMMENT:
INHERITANCE: not_inheritable
VALUE_EXAMPLE: software
PREMIS_NOTES: 3.3 agentType
SCOPE: data

NAME: premis_agents.note

DEFINITION: Additional agent note which may include external tool information

OBLIGATION: Mandatory? or only when TYPE=software?
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: text
MAXIMUM_SIZE: depends on database
COMMENT:
INHERITANCE: not_inheritable
VALUE_EXAMPLE: XMLResolution Version 1.1.2, Git Revision 7cab815027227d7315dccfb
448fd008aa2d69a79, Capistrano Release 20100915165156.
PREMIS_NOTES: agentNote (proposed)
SCOPE: data

DATA ENTITY NAME: premis_events**CLASS:****DEFINITION:** PREMIS events. Distinguish between operations events and events**INHERITS_FROM:** agents.id**Data Entity Attributes:****NAME: premis_events.id****DEFINITION:** Primary key for premis_events table.**OBLIGATION:** Mandatory**HOW_OBTAINED:** From AIP descriptor, what populates?**MAXIMUM_OCCURRENCE:****VALUE_TYPE:** Identifier**MAXIMUM_SIZE:** 100**COMMENT:** VARCHAR(100)**INHERITANCE:** partially inherited?**VALUE_EXAMPLE:** info:fda/E0000194J_WLPYTH/event/submit**PREMIS_NOTES:****SCOPE:** data**NAME: premis_events.id_type****DEFINITION:** PREMIS eventIdentifierType?**OBLIGATION:****HOW_OBTAINED:** From AIP descriptor,**MAXIMUM_OCCURRENCE:****VALUE_TYPE:** Text**MAXIMUM_SIZE:** 50**COMMENT:** VARCHAR(50)**INHERITANCE:****VALUE_EXAMPLE:** URI**PREMIS_NOTES:** eventIdentifierType**SCOPE:** data**NAME: premis_events.e_type****DEFINITION:** Type of event**OBLIGATION:** Optional? shouldn't this be mandatory?**HOW_OBTAINED:** From AIP descriptor**MAXIMUM_OCCURRENCE:****VALUE_TYPE:** Enumeration**MAXIMUM_SIZE:** 11**ENUMERATION_VALUES:** "ingest", "submit", "validate", "virus check", "disseminate",
"withdraw", "fixity check", "describe", "normalize", "migrate", "xml resolution", "deletion"(submit,validate,viruscheck,ingest,disseminate,
withdraw,fixitycheck,describe,migrate,normalize,xmlresolution,deletion,
refresh?, system migration, esp. if process not completed until refresh?)**COMMENT:** INT(11)**INHERITANCE:****VALUE_EXAMPLE:** submit

PREMIS_NOTES: 2.2 eventType
SCOPE: data

NAME: premis_events.datetime

DEFINITION: The date and time the event occurred.
OBLIGATION: Optional? shouldn't this be mandatory?
HOW_OBTAINED: From AIP descriptor
MAXIMUM_OCCURRENCE:
VALUE_TYPE:
MAXIMUM_SIZE:
COMMENT: DATETIME
INHERITANCE:
VALUE_EXAMPLE: 2010-05-05 09:49:11
PREMIS_NOTES:
SCOPE: data

NAME: premis_events.outcome

DEFINITION: Outcome information passed by the program performing the event?
OBLIGATION: Optional (shouldn't it be Mandatory?)
HOW_OBTAINED: From AIP descriptor, what populates?
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Text
MAXIMUM_SIZE: 255
COMMENT: VARCHAR(255)
INHERITANCE:
VALUE_EXAMPLE: success
PREMIS_NOTES:
SCOPE: data

NAME: premis_events.outcome_details

DEFINITION:
OBLIGATION: Optional
HOW_OBTAINED: From AIP descriptor, what populates?
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE: Text
MAXIMUM_SIZE: Depends on the database
COMMENT: TEXT
INHERITANCE:
VALUE_EXAMPLE: no examples yet
PREMIS_NOTES:
SCOPE: data

NAME: premis_events.related_object_id

DEFINITION: The intentity or datafile id of the object on which the event was performed
OBLIGATION: Optional? Shouldn't this be mandatory?
HOW_OBTAINED: From AIP descriptor, what populates?

MAXIMUM_OCCURRENCE:
VALUE_TYPE: Text
MAXIMUM_SIZE: 100
COMMENT: VARCHAR(100)
INHERITANCE:
VALUE_EXAMPLE: test:/E0000194J_WLPYTH/file/49
PREMIS_NOTES:
SCOPE: data

NAME: premis_events.class

DEFINITION: Class of event: package-level or file-level. Others?
OBLIGATION: Mandatory
HOW_OBTAINED: From AIP descriptor, what populates?
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Enumeration
MAXIMUM_SIZE: 50
ENUMERATION_VALUES: (IntentityEvent, DatafileEvent) others?
COMMENT: VARCHAR(50)
INHERITANCE:
VALUE_EXAMPLE: DatafileEvent
PREMIS_NOTES:
SCOPE: data

NAME: premis_events.preservation_agent_id

DEFINITION: link to agents table
OBLIGATION: Mandatory
HOW_OBTAINED: From AIP descriptor, what populates?
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Text
MAXIMUM_SIZE: 255
COMMENT: VARCHAR(255) MUL
INHERITANCE: inheritable
VALUE_EXAMPLE: info:fda/daitss/submission_service
PREMIS_NOTES:
SCOPE: data

DATA ENTITY NAME: projects**CLASS:** Project codes**DEFINITION:****INHERITS_FROM:****Data Entity Attributes:****NAME: projects.description****DEFINITION:** Text describing the project**OBLIGATION:** Mandatory**HOW_OBTAINED:** Established by users**MAXIMUM_OCCURRENCE:****VALUE_TYPE:** Identifier**MAXIMUM_SIZE:** 50**COMMENT:** VARCHAR(50)**INHERITANCE:****VALUE_EXAMPLE:** Florida History Project**PREMIS_NOTES:****SCOPE:** data**NAME: projects.account_id****DEFINITION:** Link to the accounts table account code**OBLIGATION:** Mandatory**HOW_OBTAINED:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:** Identifier**MAXIMUM_SIZE:** 50**COMMENT:** VARCHAR(50)**INHERITANCE:****VALUE_EXAMPLE:** GU**PREMIS_NOTES:****SCOPE:** data

DATA ENTITY NAME: relationships**CLASS:**

DEFINITION: Records structural and derivative relationships among data files. A single data file may simultaneously be a parent and a child. Also, a data file may have itself as a child. If a data file has multiple children, there will be a separate row for each child.

INHERITS_FROM:**Data Entity Attributes:****NAME: relationships. id**

DEFINITION: Primary key for relationships table
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Identifier
MAXIMUM_SIZE: 10
COMMENT: INT(10) UNSIGNED AUTO_INCREMENT
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: relationships.object1

DEFINITION:
OBLIGATION: Optional
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Text
MAXIMUM_SIZE: 100
COMMENT: VARCHAR(100) MUL
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: relationships. type

DEFINITION:
OBLIGATION: Optional
HOW_OBTAINED:
MAXIMUM_OCCURRENCE: 4?
VALUE_TYPE: Integer
MAXIMUM_SIZE: 11
COMMENT: INT(11)
INHERITANCE:
VALUE_EXAMPLE:

PREMIS_NOTES:**SCOPE:** data**NAME:** relationships. object2**DEFINITION:****OBLIGATION:** Optional**HOW_OBTAINED:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:****MAXIMUM_SIZE:****COMMENT:** VARCHAR(100) MUL**INHERITANCE:****VALUE_EXAMPLE:****PREMIS_NOTES:****SCOPE:** data**NAME:** relationships. event_id**DEFINITION:** A key uniquely identifying the event that resulted in this relationship.**OBLIGATION:** Optional**HOW_OBTAINED:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:** Text**MAXIMUM_SIZE:** 100**COMMENT:** VARCHAR(100) MUL**INHERITANCE:****VALUE_EXAMPLE:****PREMIS_NOTES:****SCOPE:** data

DATA ENTITY NAME: requests**CLASS:****DEFINITION:** Package-level requests for the following operations: dissemination, withdraw**INHERITS_FROM:****Data Entity Attributes:****NAME: requests.id****DEFINITION:** Primary key of the requests table**OBLIGATION:** Mandatory**HOW_OBTAINED:** Assigned by the Request service**MAXIMUM_OCCURRENCE:****VALUE_TYPE:** Identifier**MAXIMUM_SIZE:** 10**COMMENT:** INT(10), auto_increment**INHERITANCE:****VALUE_EXAMPLE:** 1**PREMIS_NOTES:****SCOPE:** data**NAME: requests.note****DEFINITION:** Input by requesting user & passed to operations_events.notes**OBLIGATION:** Optional**HOW_OBTAINED:** User input at the time a request is created**MAXIMUM_OCCURRENCE:****VALUE_TYPE:****MAXIMUM_SIZE:****COMMENT:****INHERITANCE:****VALUE_EXAMPLE:** Requested by Joan Smith from Smalltown University**PREMIS_NOTES:****SCOPE:** data**NAME: requests.timestamp****DEFINITION:****OBLIGATION:** Mandatory**HOW_OBTAINED:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:****MAXIMUM_SIZE:****COMMENT:** DATETIME**INHERITANCE:****VALUE_EXAMPLE:****PREMIS_NOTES:****SCOPE:** data

NAME: requests. is_authorized

DEFINITION: A flag that indicates whether or not the request can proceed to be released to the workspace and executed. Request.type="withdraw" requires authorization from an operator. In cases where an operator has created the withdrawal request an authorization is required from an operator other than the one placing the request.

OBLIGATION: Mandatory

CONDITION: Required

HOW_OBTAINED: defaults to "t" (authorized) for type=disseminate and "f" (not authorized) for type=withdraw

MAXIMUM_OCCURRENCE:

VALUE_TYPE:

MAXIMUM_SIZE:

COMMENT: t - authorized; f - not authorized

INHERITANCE:

VALUE_EXAMPLE: t

PREMIS_NOTES:

SCOPE: data

NAME: requests. status

DEFINITION: Status of a request. Default=enqueued. Note that execution of requests is recorded in the events table.

OBLIGATION: Mandatory; default is "enqueued"

HOW_OBTAINED: Assigned by Core Service

MAXIMUM_OCCURRENCE:

VALUE_TYPE: Enumeration

MAXIMUM_SIZE:

ENUMERATION_VALUES: (enqueued, released_to_workspace)

COMMENT:

INHERITANCE:

VALUE_EXAMPLE: enqueued

PREMIS_NOTES:

SCOPE: data

NAME: requests. type

DEFINITION: Type of Request

OBLIGATION: Optional? should this be mandatory?

HOW_OBTAINED: Core service

MAXIMUM_OCCURRENCE:

VALUE_TYPE: Enumeration

MAXIMUM_SIZE:

ENUMERATION_VALUES: (1, 2)

COMMENT: INT(11); 1 – dissemination, 2 – withdrawal

INHERITANCE:

VALUE_EXAMPLE: 1

PREMIS_NOTES:

SCOPE: data

NAME: requests. agent_id

DEFINITION: ID of the operations agent making the request
OBLIGATION: Mandatory
HOW_OBTAINED: Core Service records the username of the DAITSS user creating the request via the Preservation Interface
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Integer
MAXIMUM_SIZE: 10
COMMENT: INT(10) UNSIGNED MUL
INHERITANCE: inheritable
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: requests. package_id

DEFINITION: The packages.id (IEID) of the requested object
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Text
MAXIMUM_SIZE: 50
COMMENT: VARCHAR(50)
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

DATA ENTITY NAME: severe_elements**CLASS:****DEFINITION:****INHERITS_FROM:****Data Entity Attributes:****NAME: severe_elements. id****DEFINITION:** Primary key for severe_elements table.**OBLIGATION:****HOW_OBTAINED:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:** Identifier**MAXIMUM_SIZE:** 10**COMMENT:** INT(10) UNSIGNED AUTO_INCREMENT**INHERITANCE:****VALUE_EXAMPLE:****PREMIS_NOTES:****SCOPE:** data**NAME: severe_elements. name****DEFINITION:****OBLIGATION:** Optional**HOW_OBTAINED:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:** Text**MAXIMUM_SIZE:** 50**COMMENT:** VARCHAR(50)**INHERITANCE:****VALUE_EXAMPLE:****PREMIS_NOTES:****SCOPE:** data**NAME: severe_elements. class****DEFINITION:****OBLIGATION:** Mandatory**HOW_OBTAINED:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:** Text**MAXIMUM_SIZE:** 50**COMMENT:** VARCHAR(50)**INHERITANCE:****VALUE_EXAMPLE:****PREMIS_NOTES:****SCOPE:** data**NAME: severe_elements. target**

DEFINITION:
OBLIGATION: Optional
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Text
MAXIMUM_SIZE: 50
COMMENT: VARCHAR(50)
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: severe_elements. key

DEFINITION:
OBLIGATION: Optional
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Text
MAXIMUM_SIZE: 50
COMMENT: VARCHAR(50)
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

DATA ENTITY NAME: sips**CLASS:**

DEFINITION: This table stores information about all SIPs submitted via the submission service. Case(s) where this isn't true? What's the difference between sips and packages?

INHERITS_FROM:**Data Entity Attributes:****NAME: sips. id**

DEFINITION: Primary key for sips table.
OBLIGATION: Mandatory
HOW_OBTAINED: system generated
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Identifier
MAXIMUM_SIZE: 10
COMMENT: INT(10) UNSIGNED, AUTO_INCREMENT
INHERITANCE:
VALUE_EXAMPLE: 345
PREMIS_NOTES:
SCOPE: data

NAME: sips.name

DEFINITION: The directory name of the submitted SIP
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE: Text
MAXIMUM_SIZE: 50? will there be a new daitss schema, or should this be 32?
COMMENT: VARCHAR(50) PRI?
INHERITANCE:
VALUE_EXAMPLE: FI06072901
PREMIS_NOTES:
SCOPE: data

NAME: sips. size_in_bytes

DEFINITION: Size in bytes of the submitted SIP
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Integer
MAXIMUM_SIZE: bigint?
COMMENT: 2**63-1
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: sips. number_of_datafiles

DEFINITION: The number of data/content files referenced in the SIP descriptor

OBLIGATION: Optional? shouldn't this be mandatory?

HOW_OBTAINED: Submission service

MAXIMUM_OCCURRENCE:

VALUE_TYPE: Integer

MAXIMUM_SIZE: bigint?

COMMENT: 2**63-1

INHERITANCE:

VALUE_EXAMPLE: 3,021

PREMIS_NOTES:

SCOPE: data

NAME: sips. package_id

DEFINITION: A unique Internal Entity ID

OBLIGATION: Optional?

HOW_OBTAINED: Sytem-assigned?

MAXIMUM_OCCURRENCE:

VALUE_TYPE: Text

MAXIMUM_SIZE: 50

COMMENT: VARCHAR(50)

INHERITANCE:

VALUE_EXAMPLE: E000019HS_CVU8V9

PREMIS_NOTES:

SCOPE: data

DATA ENTITY NAME: stash_bins**CLASS:**

DEFINITION: A table that stores the names of Preservation GUI “stash bins”. Deleting a stash bin via the Preservation GUI deletes the corresponding row from this table.

INHERITS_FROM:**Data Entity Attributes:****NAME: stash_bins. name**

DEFINITION: The name of the “stash bin” as created via the Preservation GUI.

OBLIGATION: Mandatory

HOW_OBTAINED:

MAXIMUM_OCCURRENCE:

VALUE_TYPE: Identifier

MAXIMUM_SIZE: 50

COMMENT: VARCHAR(50)

INHERITANCE:

VALUE_EXAMPLE: On hold WIPs

PREMIS_NOTES:

SCOPE: data

DATA ENTITY NAME: texts**CLASS:****DEFINITION:****INHERITS_FROM:****Data Entity Attributes:****NAME: texts. id****DEFINITION:****OBLIGATION:** Mandatory**HOW_OBTAINED:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:** Identifier**MAXIMUM_SIZE:** 10**COMMENT:** INT(10) UNSIGNED AUTO_INCREMENT**INHERITANCE:****VALUE_EXAMPLE:****PREMIS_NOTES:****SCOPE:** data**NAME: texts. charset****DEFINITION:****OBLIGATION:** Optional**HOW_OBTAINED:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:** Text**MAXIMUM_SIZE:** 50**COMMENT:** VARCHAR(50)**INHERITANCE:****VALUE_EXAMPLE:****PREMIS_NOTES:****SCOPE:** data**NAME: texts. byte_order****DEFINITION:****OBLIGATION:** Optional**HOW_OBTAINED:****MAXIMUM_OCCURRENCE:****VALUE_TYPE:** Integer**MAXIMUM_SIZE:** 11**COMMENT:** INT(11)**INHERITANCE:****VALUE_EXAMPLE:****PREMIS_NOTES:****SCOPE:** data

NAME: texts.byte_size

DEFINITION:
OBLIGATION: Optional
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Integer
MAXIMUM_SIZE: 11
COMMENT: INT(11)
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: texts.linebreak

DEFINITION:
OBLIGATION:
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Integer
MAXIMUM_SIZE: 11
COMMENT: INT(11)
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: texts.language

DEFINITION:
OBLIGATION: Optional
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Text
MAXIMUM_SIZE: 50
COMMENT: VARCHAR(50)
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: texts.markup_basic

DEFINITION: e.g., HTML, XML (?)
OBLIGATION: Optional
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Integer
MAXIMUM_SIZE: 11
COMMENT: INT(11)

INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: texts. markup_language

DEFINITION: from root element, e.g., METS
OBLIGATION: Optional
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Text
MAXIMUM_SIZE: 50
COMMENT: VARCHAR(50)
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: texts. processing_note

DEFINITION:
OBLIGATION: Optional
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Text
MAXIMUM_SIZE: 50
COMMENT: VARCHAR(50)
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: texts. page_order

DEFINITION:
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Integer
MAXIMUM_SIZE: 11
COMMENT:
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: texts. page_sequence

DEFINITION:

OBLIGATION: Optional
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Integer
MAXIMUM_SIZE: 11
COMMENT: INT(11)
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: texts. line_orientation

DEFINITION:
OBLIGATION: Optional
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Integer
MAXIMUM_SIZE: 11
COMMENT: INT(11)
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: texts. datafile_id

DEFINITION:
OBLIGATION:
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE:
MAXIMUM_SIZE:
COMMENT:
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:
SCOPE: data

NAME: texts. bitstream_id

DEFINITION:
OBLIGATION: Optional?
HOW_OBTAINED:
MAXIMUM_OCCURRENCE:
VALUE_TYPE: Text
MAXIMUM_SIZE: 100
COMMENT: VARCHAR(100)
INHERITANCE:
VALUE_EXAMPLE:
PREMIS_NOTES:

SCOPE: data

DAITSS "daitss_db.storemaster" Data Entities and their Attributes

DATA ENTITY NAME: copies**CLASS:****DEFINITION:****INHERITS_FROM:****Data Entity Attributes:****NAME: copies.id**

DEFINITION: A unique code that identifies a user account.
OBLIGATION: Mandatory
HOW_OBTAINED: Operator-assigned through Admin GUI
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE: Identifier
MAXIMUM_SIZE: 50 characters
COMMENT:
INHERITANCE: not_inheritable
VALUE_EXAMPLE: GU
PREMIS_NOTES: N/A
SCOPE: data

NAME: copies.datetime

DEFINITION: A unique code that identifies a user account.
OBLIGATION: Mandatory
HOW_OBTAINED: Operator-assigned through Admin GUI
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE: Identifier
MAXIMUM_SIZE: 50 characters
COMMENT:
INHERITANCE: not_inheritable
VALUE_EXAMPLE: GU
PREMIS_NOTES: N/A
SCOPE: data

NAME: copies.store_location

DEFINITION: A unique code that identifies a user account.
OBLIGATION: Mandatory
HOW_OBTAINED: Operator-assigned through Admin GUI
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE: Identifier
MAXIMUM_SIZE: 50 characters
COMMENT:
INHERITANCE: not_inheritable
VALUE_EXAMPLE: GU
PREMIS_NOTES: N/A
SCOPE: data

NAME: copies.package_id

DEFINITION: A unique code that identifies a user account.
OBLIGATION: Mandatory
HOW_OBTAINED: Operator-assigned through Admin GUI
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE: Identifier
MAXIMUM_SIZE: 50 characters
COMMENT:
INHERITANCE: not_inheritable
VALUE_EXAMPLE: GU
PREMIS_NOTES: N/A
SCOPE: data

NAME: copies.pool_id

DEFINITION: A unique code that identifies a user account.
OBLIGATION: Mandatory
HOW_OBTAINED: Operator-assigned through Admin GUI
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE: Identifier
MAXIMUM_SIZE: 50 characters
COMMENT:
INHERITANCE: not_inheritable
VALUE_EXAMPLE: GU
PREMIS_NOTES: N/A
SCOPE: data

DATA ENTITY NAME: packages**CLASS:****DEFINITION:****INHERITS_FROM:****Data Entity Attributes:****NAME: packages.id****DEFINITION:****OBLIGATION:** Mandatory**HOW_OBTAINED:****MAXIMUM_OCCURRENCE:** 'n'**VALUE_TYPE:** Identifier**MAXIMUM_SIZE:****COMMENT:****INHERITANCE:** not_inheritable**VALUE_EXAMPLE:****PREMIS_NOTES:** N/A**SCOPE:** data**NAME: packages.extant****DEFINITION:** Default value is true**OBLIGATION:** Mandatory**HOW_OBTAINED:****MAXIMUM_OCCURRENCE:** 'n'**VALUE_TYPE:** Identifier**MAXIMUM_SIZE:****COMMENT:****INHERITANCE:** not_inheritable**VALUE_EXAMPLE:****PREMIS_NOTES:** N/A**SCOPE:** data**NAME: packages.ieid****DEFINITION:****OBLIGATION:** Mandatory**HOW_OBTAINED:****MAXIMUM_OCCURRENCE:** 'n'**VALUE_TYPE:** Identifier**MAXIMUM_SIZE:****COMMENT:****INHERITANCE:** not_inheritable**VALUE_EXAMPLE:****PREMIS_NOTES:** N/A**SCOPE:** data**NAME: packages.name****DEFINITION:** .**OBLIGATION:** Mandatory**HOW_OBTAINED:**

MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE:
MAXIMUM_SIZE:
COMMENT:
INHERITANCE: not_inheritable
VALUE_EXAMPLE:
PREMIS_NOTES: N/A
SCOPE: data

DATA ENTITY NAME: pools

CLASS:
DEFINITION:
INHERITS_FROM:

Data Entity Attributes:
NAME: pools.id

DEFINITION:
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE:
MAXIMUM_SIZE:
COMMENT:
INHERITANCE: not_inheritable
VALUE_EXAMPLE:
PREMIS_NOTES: N/A
SCOPE: data

NAME: pools.required

DEFINITION:
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE:
MAXIMUM_SIZE:
COMMENT:
INHERITANCE: not_inheritable
VALUE_EXAMPLE:
PREMIS_NOTES: N/A
SCOPE: data

NAME: pools.services_location

DEFINITION:
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE:

MAXIMUM_SIZE: 5
COMMENT:
INHERITANCE: not_inheritable
VALUE_EXAMPLE:
PREMIS_NOTES: N/A
SCOPE: data

NAME: pools.read_preference

DEFINITION:
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE:
MAXIMUM_SIZE:
COMMENT:
INHERITANCE: not_inheritable
VALUE_EXAMPLE:
PREMIS_NOTES: N/A
SCOPE: data

NAME: pools.basic_auth_username

DEFINITION: A unique code that identifies a user account.
OBLIGATION: Mandatory
HOW_OBTAINED: ?
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE: Identifier
MAXIMUM_SIZE:
COMMENT:
INHERITANCE: not_inheritable
VALUE_EXAMPLE:
PREMIS_NOTES: N/A
SCOPE: data

NAME: pools.basic_auth_password

DEFINITION:
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE: Identifier
MAXIMUM_SIZE:
COMMENT:
INHERITANCE: not_inheritable
VALUE_EXAMPLE:
PREMIS_NOTES: N/A
SCOPE: data

DATA ENTITY NAME: reservations**CLASS:****DEFINITION:****INHERITS_FROM:****Data Entity Attributes:****NAME: reservations.id****DEFINITION:****OBLIGATION:** Mandatory**HOW_OBTAINED:****MAXIMUM_OCCURRENCE:** 'n'**VALUE_TYPE:** Identifier**MAXIMUM_SIZE:****COMMENT:****INHERITANCE:** not_inheritable**VALUE_EXAMPLE:****PREMIS_NOTES:** N/A**SCOPE:** data**NAME: reservations.ieid****DEFINITION:** The IEID of the AIP**OBLIGATION:** Mandatory**HOW_OBTAINED:****MAXIMUM_OCCURRENCE:** 'n'**VALUE_TYPE:** Identifier**MAXIMUM_SIZE:** 50 characters**COMMENT:****INHERITANCE:** not_inheritable**VALUE_EXAMPLE:****PREMIS_NOTES:** N/A**SCOPE:** data**NAME: reservations.name****DEFINITION:** The IEID plus version number of the AIP**OBLIGATION:** Mandatory**HOW_OBTAINED:****MAXIMUM_OCCURRENCE:** 'n'**VALUE_TYPE:****MAXIMUM_SIZE:****COMMENT:****INHERITANCE:** not_inheritable**VALUE_EXAMPLE:****PREMIS_NOTES:** N/A

SCOPE: data

DAITSS "store_db" Data Entities and their Attributes

DATA ENTITY NAME:	histories
CLASS:	data_field
DEFINITION:	Stores information about copies of AIPs stored in each DAITSS Silo Pool

Attributes:

NAME:	histories.id
DEFINITION:	
OBLIGATION:	Mandatory
HOW_OBTAINED:	system-assigned?
MAXIMUM_OCCURRENCE:	'n'
VALUE_TYPE:	Identifier
MAXIMUM_SIZE:	
COMMENT:	bigint
INHERITANCE:	not_inheritable
VALUE_EXAMPLE:	
PREMIS_NOTES:	N/A
SCOPE:	data

NAME:	histories.action
DEFINITION:	Storage actions.
OBLIGATION:	Mandatory
HOW_OBTAINED:	
MAXIMUM_OCCURRENCE:	'n'
VALUE_TYPE:	Enumeration
MAXIMUM_SIZE:	
ENUMERATION VALUES:	(1,2,3)
COMMENT:	1 – PUT, 2 – FIXITY CHECK, 3 - DELETE
INHERITANCE:	not_inheritable
VALUE_EXAMPLE:	
PREMIS_NOTES:	N/A
SCOPE:	data

NAME:	histories.sha1
DEFINITION:	the sha1 algorithm checksum of the package. If the value is NULL for histories.action=2 (fixity check), this indicates a missing package.
OBLIGATION:	Mandatory
HOW_OBTAINED:	the first put?, subsequently computed by the disk-fixity script
MAXIMUM_OCCURRENCE:	'n'
VALUE_TYPE:	text
MAXIMUM_SIZE:	40
COMMENT:	VARCHAR(40)
INHERITANCE:	not_inheritable
VALUE_EXAMPLE:	422ca144391c309c33d9c6b36b1c7f739505a8ce

PREMIS_NOTES: N/A
SCOPE: data

NAME: histories.md5

DEFINITION: the md5 algorithm checksum of the package. If the value is NULL for histories.action=2 (fixity check), this indicates a missing package.
OBLIGATION: Mandatory
HOW_OBTAINED: the first put?, subsequently computed by the disk-fixity script
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE: text
MAXIMUM_SIZE: 32
COMMENT: VARCHAR(32)
INHERITANCE: not_inheritable
VALUE_EXAMPLE: 9556b51f7303f516bc2eceb1548517c0
PREMIS_NOTES: N/A
SCOPE: data

NAME: histories.timestamp

DEFINITION:
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE: text
MAXIMUM_SIZE:
COMMENT:
INHERITANCE: not_inheritable
VALUE_EXAMPLE:
PREMIS_NOTES: N/A
SCOPE: data

NAME: histories.package_record_id

DEFINITION:
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE: integer
MAXIMUM_SIZE: 11
COMMENT: INT(11)
INHERITANCE: not_inheritable
VALUE_EXAMPLE: 79
PREMIS_NOTES: N/A
SCOPE: data

DATA ENTITY NAME: packages**CLASS:****DEFINITION:****INHERITS_FROM:****Data Entity Attributes:****NAME: packages.id****DEFINITION:****OBLIGATION:** Mandatory**HOW_OBTAINED:****MAXIMUM_OCCURRENCE:** 'n'**VALUE_TYPE:** integer**MAXIMUM_SIZE:** 11**COMMENT:** INT(11)**INHERITANCE:** not_inheritable**VALUE_EXAMPLE:** 79**PREMIS_NOTES:** N/A**SCOPE:** data**NAME: packages.extant****DEFINITION:** A flag indicating whether the package is currently stored or has been deleted**OBLIGATION:** Mandatory**HOW_OBTAINED:****MAXIMUM_OCCURRENCE:** 'n'**VALUE_TYPE:** Enumeration**MAXIMUM_SIZE:** 1**ENUMERATION_VALUES:** (t,f)**COMMENT:** Boolean; t - package is currently stored, f – package has been deleted**INHERITANCE:** not_inheritable**VALUE_EXAMPLE:** t**PREMIS_NOTES:** N/A**SCOPE:** data**NAME: packages.name****DEFINITION:** the IEID of the package**OBLIGATION:** Mandatory**HOW_OBTAINED:****MAXIMUM_OCCURRENCE:** 'n'**VALUE_TYPE:** text**MAXIMUM_SIZE:** 50**COMMENT:** VARCHAR(50)**INHERITANCE:** not_inheritable**VALUE_EXAMPLE:** EX303NK41_YHR0MX**PREMIS_NOTES:** N/A**SCOPE:** data

NAME: packages.initial_sha1

DEFINITION: the sha1 algorithm checksum computed at the time of the package PUT
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE: text
MAXIMUM_SIZE: 40
COMMENT: VARCHAR(40)
INHERITANCE: not_inheritable
VALUE_EXAMPLE: cd17d3e420448797f277b4d13ce8858f4d05ed24
PREMIS_NOTES: N/A
SCOPE: data

NAME: packages.initial_md5

DEFINITION: the md5 algorithm checksum computed at the time of the package PUT
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE: text
MAXIMUM_SIZE: 32
COMMENT: **VARCHAR(32)**
INHERITANCE: not_inheritable
VALUE_EXAMPLE: 31719e6ba3acc02bca00a1b3dcd07a
PREMIS_NOTES: N/A
SCOPE: data

NAME: packages.initial_timestamp

DEFINITION: the timestamp of the initial PUT?
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE:
MAXIMUM_SIZE:
COMMENT: **timestamp with timezone**
INHERITANCE: not_inheritable
VALUE_EXAMPLE: 2010-02-03 01:38:39-05
PREMIS_NOTES: N/A
SCOPE: data

NAME: packages.size

DEFINITION: the size in bytes of the package
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE: integer

MAXIMUM_SIZE: 11
COMMENT: **bigint**
INHERITANCE: not_inheritable
VALUE_EXAMPLE: 983582720
PREMIS_NOTES: N/A
SCOPE: data

NAME: packages.type

DEFINITION: the mimetype?
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE: integer
MAXIMUM_SIZE: 11
COMMENT: **INT(11)**
INHERITANCE: not_inheritable
VALUE_EXAMPLE: x-application/tar
PREMIS_NOTES: N/A
SCOPE: data

NAME: packages.latest_sha1

DEFINITION: the most recently computed sha1 algorithm checksum of the package
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE: text
MAXIMUM_SIZE: 40
COMMENT: VARCHAR(40)
INHERITANCE: not_inheritable
VALUE_EXAMPLE: cd17d3e420448797f277b4d13ce8858f4d05ed24
PREMIS_NOTES: N/A
SCOPE: data

NAME: packages.latest_md5

DEFINITION: the most recently computed md5 algorithm checksum of the package
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE: text
MAXIMUM_SIZE: 32
COMMENT: VARCHAR(32)
INHERITANCE: not_inheritable
VALUE_EXAMPLE: 31719e6ba3acc02bca00a1b3dcd07a
PREMIS_NOTES: N/A
SCOPE: data

NAME: packages.latest_timestamp

DEFINITION:
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE: integer
MAXIMUM_SIZE: 11
COMMENT: INT(11)
INHERITANCE: not_inheritable
VALUE_EXAMPLE: 2011-09-16 17:47:37-04
PREMIS_NOTES: N/A
SCOPE: data

NAME: packages.silo_record_id

DEFINITION:
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE: integer
MAXIMUM_SIZE: 11
COMMENT: INT(11)
INHERITANCE: not_inheritable
VALUE_EXAMPLE: 79
PREMIS_NOTES: N/A
SCOPE: data

DATA ENTITY NAME: reserved_disk_spaces**CLASS:**

DEFINITION: disk space 'reservations' used to prevent storage collisions from multiple storage threads (needs to be rephrased)

INHERITS_FROM:**Data Entity Attributes:****NAME: reserved_disk_spaces.id****DEFINITION:**

OBLIGATION: Mandatory

HOW_OBTAINED:

MAXIMUM_OCCURRENCE: 'n'

VALUE_TYPE: integer

MAXIMUM_SIZE:**COMMENT:**

INHERITANCE: not_inheritable

VALUE_EXAMPLE:

PREMIS_NOTES: N/A

SCOPE: data

NAME: reserved_disk_spaces.partition**DEFINITION:**

OBLIGATION: Mandatory

HOW_OBTAINED:

MAXIMUM_OCCURRENCE: 'n'

VALUE_TYPE:**MAXIMUM_SIZE:****COMMENT:**

INHERITANCE: not_inheritable

VALUE_EXAMPLE:

PREMIS_NOTES: N/A

SCOPE: data

NAME: reserved_disk_spaces.timestamp**DEFINITION:**

OBLIGATION: Mandatory

HOW_OBTAINED:

MAXIMUM_OCCURRENCE: 'n'

VALUE_TYPE:**MAXIMUM_SIZE:****COMMENT:**

INHERITANCE: not_inheritable

VALUE_EXAMPLE:

PREMIS_NOTES: N/A

SCOPE: data

NAME: reserved_disk_spaces.size

DEFINITION:

OBLIGATION: Mandatory

HOW_OBTAINED:

MAXIMUM_OCCURRENCE: 'n'

VALUE_TYPE: integer

MAXIMUM_SIZE:

COMMENT:

INHERITANCE: not_inheritable

VALUE_EXAMPLE:

PREMIS_NOTES: N/A

SCOPE: data

DATA ENTITY NAME: silos**CLASS:****DEFINITION:****INHERITS_FROM:****Data Entity Attributes:****NAME: silos.id**

DEFINITION: the unique identifier of a storage silo
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE: integer
MAXIMUM_SIZE: 11
COMMENT: **INT(11)**
INHERITANCE: not_inheritable
VALUE_EXAMPLE: 12
PREMIS_NOTES: N/A
SCOPE: data

NAME: silos.filesystem

DEFINITION: the filesystem on which a silo is located
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE: integer
MAXIMUM_SIZE: 11
COMMENT: **INT(11)**
INHERITANCE: not_inheritable
VALUE_EXAMPLE: /daitssfs/012
PREMIS_NOTES: N/A
SCOPE: data

NAME: silos.hostname

DEFINITION: the hostname on which a silo is located
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE: integer
MAXIMUM_SIZE: 11
COMMENT: **INT(11)**
INHERITANCE: not_inheritable
VALUE_EXAMPLE: silos.daitss.anyu.edu
PREMIS_NOTES: N/A
SCOPE: data

NAME: silos.state

DEFINITION: the ?. Default value is "1"
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE: Enumeration
MAXIMUM_SIZE: 11
ENUMERATION VALUES: (1,2,3,4)? (1 – disk master; 4 – tape master)
COMMENT: INT(11)
INHERITANCE: not_inheritable
VALUE_EXAMPLE: 1
PREMIS_NOTES: N/A
SCOPE: data

NAME: silos.forbidden

DEFINITION: the "methods" allowed for the silo?. Default is "24"
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE: integer
MAXIMUM_SIZE: 11
COMMENT: INT(11) (what are the possible values? 24 – delete, get, put allowed; 30 – get allowed?)
INHERITANCE: not_inheritable
VALUE_EXAMPLE: 30
PREMIS_NOTES: N/A
SCOPE: data

NAME: silos.retired

DEFINITION: A flag indicating whether a silo is active or "retired". Default value is "f"
OBLIGATION: Mandatory
HOW_OBTAINED:
MAXIMUM_OCCURRENCE: 'n'
VALUE_TYPE: Enumeration
MAXIMUM_SIZE: 1
ENUMERATION VALUES: (t,f)
COMMENT: Boolean; (t – retired; f - active)
INHERITANCE: not_inheritable
VALUE_EXAMPLE: 79
PREMIS_NOTES: N/A
SCOPE: data