

Grouper SQL provisioner startWith scaffolding

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Start with: Common SQL pattern

First six fields can show one at a time when the previous is filled in

1. SQL external system ID (required)
2. SQL pattern: drop down with options below (show after external system selected)
 - a. entityType
 - i. init membership structure to notApplicable
 - ii. init start with entity table to true
 - iii. init start with entity table name to: from_grouper_entity
 - iv. init start with entity primary key column: entityType_uuid
 - v. init start with entity primary key value: entityTypeUuid
 - vi. init start with entity other columns as: subject_id
 - vii. init start with entity link false
 - b. entityTypeWithAttributeTable
 - i. init membership structure to notApplicable
 - ii. same as entity table init
 - iii. entity attribute table name init to from_grouper_entity_attr
 - iv. foreign key to entity table entityType_uuid
 - v. column name which is the attribute name: attribute_name
 - vi. column name which is the attribute value: attribute_value
 - c. entityTypeWithAttributeTableAndMemberships
 - i. same as entity table init
 - ii. same as entityTypeWithAttributesTable
 - iii. membership structure: entityAttributes
 - iv. membership attribute: memberOf
 - v. init entityLink to true
 - d. entityTypeMembershipTable
 - i. same as entityType init
 - ii. same as membershipTable init
 - iii. init start with membership table entity column name: entityType_uuid (not subject_id)
 - iv. init start with membership table entity column value: entityTypeUuid (not subjectId)
 - v. init entityLink to true
 - e. groupTable
 - i. init membership structure to notApplicable
 - ii. init start with group table to true
 - iii. init start with group table name to: from_grouper_group
 - iv. init start with group primary key column: group_id_index
 - v. init start with group other columns as: groupIdIndex
 - vi. init start with group link false
 - f. groupTableWithAttributeTable
 - i. same as groupTable init
 - ii. group attribute table name init to from_grouper_group_attr
 - iii. foreign key to entity table entityType_id_index
 - iv. column name which is the attribute name: attribute_name
 - v. column name which is the attribute value: attribute_value
 - g. groupTableWithAttributeTableAndMemberships
 - i. same as groupTableWithAttributeTable init
 - ii. membership structure: groupAttributes
 - iii. membership attribute: hasMember
 - iv. init groupLink to true
 - h. groupTableMembershipTable
 - i. same as groupTable init
 - ii. same as membershipTable init
 - iii. init start with membership table group column name: group_id_index (not group_name)
 - iv. init start with membership table group column value: groupIdIndex (not groupName)
 - v. init groupLink to true
 - i. groupTableEntityTypeMembershipTable
 - i. same as groupTable init
 - ii. same as entityType init
 - iii. same as membershipTable init
 - iv. membership table group column is: group_id_index
 - v. membership table group value is: groupIdIndex
 - vi. membership table entity column is: entityType_uuid
 - vii. membership table entity value is: entityTypeUuid
 - viii. init groupLink to true
 - ix. init entityLink to true
 - j. membershipTable
 - i. membership structure: membershipObjects
 - ii. init start with membership table to true

- iii. init start with membership table name to: from_grouper_mship
 - iv. init start with group column: group_name
 - v. init start with group value: groupName
 - vi. init start with entity column: subject_id
 - vii. init start with entity value: subjectId
 - viii. init groupLink to false
 - ix. init entityLink to false
- k. other
 - i. proceed with screen
- 3. User attributes type: drop down with options, required (show after ldap pattern)
 - a. Only uses built in core attributes e.g. subjectId, subjectIdentifier0-2, email, name, description or translations of those (value: core)
 - b. Needs other subject source attributes (value: subjectSource)
 - c. Needs a SQL or LDAP filter, but not other subject attributes. If LDAP this is a different LDAP than the LDAP provisioning to (value: entityResolver)
 - d. Needs subject source source attributes and SQL or LDAP filter. If LDAP this is a different LDAP than the LDAP provisioning to (value: subjectSourceAndEntityResolver)
- 4. Membership structure (default to membershipObjects): entityAttributes, groupAttributes, membershipObjects, notApplicable
- 5. if (user attribute type is subjectSource or subjectSourceAndEntityResolver)
 - a. list those attributes and validate against subject source (textfield, comma separated attributes, required)
- 6. Ask if has group table (default false)
 - a. If has group table, ask for group table name (required, validate on submit) (suggest: from_grouper_group)
 - b. If has group table, ask for group primary key column (suggest group_id_index) (required, validate on submit)
 - c. If has group table, ask for group primary key value (suggest groupIdIndex) (drop down required) (other, script, groupExtension, groupIdIndex, groupName, groupPrimaryKey, groupUuid)
 - d. If has group table, ask for list of other group columns, suggest names: group_uuid, group_name, group_id_index, group_extension, group_display_name, group_display_extension, group_description
 - e. Ask if need group link (optional, grouper will try to deduce this)
 - f. If has group table, ask if has group attribute table (to store multi-valued attributes or memberships, not common)
 - i. If has group attribute table, ask for group attribute table name (required, validate on submit)
 - ii. If has group attribute table, ask for column name which is foreign key to group table (suggest group_uuid) (required, validate on submit)
 - iii. If has group attribute table, ask for column name which is the attribute name (suggest attribute_name) (required, validate on submit)
 - iv. If has group attribute table, ask for column name which is the attribute value (suggest attribute_value) (required, validate on submit)
 - v. If groupAttributes membership structure, ask for the membership attribute name (required)
 - vi. If groupAttributes membership structure, ask for membership value (drop down required) (entityPrimaryKey, other, script, subjectId, subjectIdentifier0, subjectIdentifier1, subjectIdentifier2)
 - vii. If has group attribute table, ask for other attribute names in attribute table (optional)
- 7. Ask if has entity table (default false)
 - a. If has entity table, ask for entity table name (required, validate on submit)
 - b. If has entity table, ask for entity primary key column (suggest entity_uuid) (required, validate on submit)
 - c. If has entity table, ask for entity primary key value (suggest entityUuid) (drop down required) (other, script, email, entity_uuid, entity_description, entity_name, subject_id, subject_identifier0, subject_identifier1, subject_identifier2)
 - d. If has entity table, ask for list of other entity columns, suggest names: email, entity_uuid, entity_description, entity_name, subject_id, subject_identifier0, subject_identifier1, subject_identifier2
 - e. Ask if need entity link (boolean optional grouper will try to deduce this)
 - f. If has entity table, ask if has entity attribute table (to store multi-valued attributes or memberships, not common)
 - i. If has entity attribute table, ask for entity attribute table name (required, validate on submit)
 - ii. If has entity attribute table, ask for column name which is foreign key to entity table (suggest entity_uuid) (required, validate on submit)
 - iii. If has entity attribute table, ask for column name which is the attribute name (suggest attribute_name) (required, validate on submit)
 - iv. If has entity attribute table, ask for column name which is the attribute value (suggest attribute_value) (required, validate on submit)
 - v. If entityAttributes membership structure, ask for the membership attribute name (required)
 - vi. If entityAttributes membership structure, ask for membership value (drop down required) (other, script, groupExtension, groupIdIndex, groupName, groupPrimaryKey, groupUuid)
 - vii. If has entity attribute table, ask for other attribute names in attribute table (optional)
- 8. Ask if has membership table (default false)
 - a. Ask for membership table name: (suggest: from_grouper_mship)
 - b. Ask for group column (required, validate on submit)
 - c. Ask for group value (drop down required) (other, script, groupExtension, groupIdIndex, groupName, groupPrimaryKey, groupUuid)
 - d. Ask for entity column (required, validate on submit)
 - e. Ask for entity value (drop down required) (entityPrimaryKey, other, script, subjectId, subjectIdentifier0, subjectIdentifier1, subjectIdentifier2)
- 9. Add disabled full sync daemon? boolean default to true
- 10. Add disabled incremental sync daemon? boolean default to true