Security Ownership & Permissions

Martin Reisinger, presenter

Security 2 concepts intersect

Ownership

Permissions (to update, delete)

Ownership

- only 1 owner per record
- an owner can transfer ownership to another user
- an owner can provide permissions (Update, Delete) to multiple users

Ownership

"What to do? The owner is no longer here!"

- Zeus can do anything
- In GG, Zeus is the database administrator (dba)
 - In NPGS, Zeus is Benjamin Haag

email him when ownership issues cannot be resolved at the site level



If I create the record, I am the owner



If I own a record, I can designate my CT colleagues to be able to update or delete the records (or not)

Permissions

A permission of type:	Has the ability to:
Read*	Read existing data
Update	Update existing data
Delete	Delete existing data
Create*	Insert new data

* in the CT, ignore these types

Possible Permission Values

Value	Description
Allow	Allows access
Deny	Denies access
Inherit	Neither allows nor denies access; access is situational; it is inherited from a previous definition (typically the permission value of the parent table)

When relationships are mapped between dataviews

...the children tables inherit the security settings of the parent

Example: if someone creates an accession_inventory_name record, the owner is the same as the owner of the parent record, in this case the inventory record

	File View Tools Help				
en	Table Mappings	localhost\sqlexpress - sqlserver > Table N	Mappings >accession_ir	iv name	
	accession_action accession_inv_annotation accession_inv_attach	Database Area: ACCESSION Fields Relationships Indexes		Enabled	
	accession_inv_group	Child	Туре	Parent	
1	accession_inv_group_map	accession_inv_name.created_by	Parent	cooperator.cooperator_id	
		accession_inv_name.modified_by	Parent	cooperator.cooperator_id	
	accession_inv_voucher	accession_inv_name.name_source	Parent	cooperator.cooperator_id	
		accession_inv_name.owned_by	Parent	cooperator.cooperator_id	
		accession_inv_name.inventory_id	Parent and owner	inventory.inventory_id	
	accession_quarantine	accession_inv_name.name_group_id	Parent	name_group.name_group_id	

Inheritance only cascades one level

You may need to give permissions at the accession, the inventory, and the order requests







Special Permission Groups

Site "Power Users" In NPGS, each site has a group defined

Admin Tool screen

Any Data View -	-		
Any Table			
Enabled			
Read:	Update:	Delete:	
Inherit ~	Allow ~	Allow V	
	Any Table Enabled Read:	Any Table Enabled Read: Update:	Any Table Enabled Read: Update: Delete:

"Super Coop" Editors

Admin	
Tool	
screen	

Tag		FERAIO	<u> </u>			
Description						
Applies To Data View	- Any Data Vie	- w				~
Applies To Table	cooperator					~
	Enabled					
Create:	Read:	Updat	te:	Delete:		
(water of a decade)		~ Allow	· ~	Allow	~	
and of the second	Allow					
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SQL for Determining Permissions

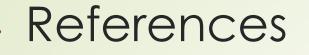
SELECT su.user_name, sg.group_tag, sp.permission_tag, st.table_name, CONCAT(c.first_name, ' ', c.last_name) AS owner FROM sys_user su JOIN sys_group_user_map sgum ON sgum.sys_user_id = su.sys_user_id JOIN sys_group sg ON sg.sys_group_id = sgum.sys_group_id JOIN sys_group_permission_map sgpm ON sgpm.sys_group_id = sg.sys_group_id JOIN sys_permission sp ON sp.sys_permission_id = sgpm.sys_permission_id LEFT JOIN sys_table st ON st.sys_table_id = sp.sys_table_id JOIN cooperator c ON c.cooperator_id = sp.created_by WHERE sp.owned_by != 48 AND user_name LIKE '%reisinger%'

SQL for Determining Ownership

SELECT st1.table_name AS child, st2.table_name AS owner FROM sys_table_relationship str JOIN sys_table_field stf1 ON stf1.sys_table_field_id = str.sys_table_field_id JOIN sys_table st1 ON st1.sys_table_id = stf1.sys_table_id JOIN sys_table_field stf2 ON stf2.sys_table_field_id = str.other_table_field_id JOIN sys_table st2 ON st2.sys_table_id = stf2.sys_table_id WHERE relationship_type_tag = 'OWNER_PARENT'

SQL for determining owner-parent relationships

SELECT st1.table_name AS child, st2.table_name AS owner FROM sys_table_relationship str JOIN sys_table_field stf1 ON stf1.sys_table_field_id = str.sys_table_field_id JOIN sys_table st1 ON st1.sys_table_id = stf1.sys_table_id JOIN sys_table_field stf2 ON stf2.sys_table_field_id = str.other_table_field_id JOIN sys_table st2 ON st2.sys_table_id = stf2.sys_table_id WHERE relationship_type_tag = 'OWNER_PARENT'



Security: Ownership & Permissions

Cooperators