

Authentic 2 - Development #6994

Create RBAC models: Role, User-Role relation, Role-Role hierarchy, Permissions, OrganizationalUnit

21 avril 2015 09:19 - Benjamin Dauvergne

Statut:	Fermé	Début:	21 avril 2015
Priorité:	Normal	Echéance:	
Assigné à:	Benjamin Dauvergne	% réalisé:	100%
Catégorie:		Temps estimé:	0:00 heure
Version cible:	2.2.0	Planning:	
Patch proposed:	Non		
Description			
All objects should pertain to an organization unit (OU).			
User can be linked to many roles. Roles can be linked to many users. Roles can be linked to roles.			
Roles can be linked to many permissions.			
The permission model must contain a generic foreign key (the ressource) and a string (the operation) and a scope (generic foreign key to organizations for example). Permissions without scope apply to all ressources targeted, with a scope only to ressources of this scope. Ex.:			
Permission(ressource=ContentType(User), operation="admin", scope=OU) is the permission to administer users in the people OU.			
Role hierarchy must be stored denormalized to speed queries. On each creation/deletion of a link the full transitive closure of the relation must be maintained. Role have flags:			
<ul style="list-style-type: none">• mirror : generic foreign key to the object it was made for, if present it means the role was automatically created and must not be deleted• organization : the organization owning this role			

Révisions associées

Révision c030a45f - 18 mai 2015 21:46 - Benjamin Dauvergne

django_rbac: add an RBAC engine (#6994)

- swappable role model supporting role graph with cycles
- swappable role parenting model
- swappable permission model
- swappable organizational unit model allowing to have scopes on permissions and objects
- authorization backend based on role membership
- helpers to filter querysets by the permissions users have on them

Révision e9b72a44 - 18 mai 2015 21:46 - Benjamin Dauvergne

utils: add get_fk_model to retrieve related model

get_fk_model() is an helper method to retrieve the related model of a possible foreign key field of a model, it supports pre and post 1.8 model's _meta internal API.

refs #6994

Révision c9915b9b - 18 mai 2015 21:48 - Benjamin Dauvergne

a2_rbac: integrate django_rbac in authentic2

This commit add local implementations for swappable models of the django_rbac application. The role model gets extraneous fields to map some roles one-to-one to permissions (admin_scope generic key field) and to link roles to a service to make service's roles.

The admin scope allow building automatic management roles, like the general management role for an organizational unit which inherits all content type management roles for this ou.

refs #7252
fixes #6994

Révision 8d6a4b8f - 18 mai 2015 21:48 - Benjamin Dauvergne

tox.ini: run tests for RBAC and CAS idp

refs #6994

Historique

#1 - 22 avril 2015 15:14 - Benjamin Dauvergne

- Assigné à mis à Benjamin Dauvergne
- Version cible mis à 2.2.0

#2 - 07 mai 2015 08:48 - Frédéric Péters

- Bloqué par Development #7163: Rendre le menu déroulant Publik contextuel + Wording ajouté

#3 - 07 mai 2015 08:51 - Frédéric Péters

- Bloqué par Development #7163: Rendre le menu déroulant Publik contextuel + Wording supprimé

#4 - 19 mai 2015 01:06 - Benjamin Dauvergne

- Statut changé de Nouveau à Résolu (à déployer)
- % réalisé changé de 0 à 100

Appliqué par commit [authentic2|c9915b9b6d0e34fecfce78b2670323d403534613](#).

#5 - 23 février 2016 12:58 - Benjamin Dauvergne

- Statut changé de Résolu (à déployer) à Solution déployée

#6 - 06 décembre 2017 15:28 - Benjamin Dauvergne

- Statut changé de Solution déployée à Fermé