

Grouper rules pattern - Send email when group member invalid due to folder

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There is a WWW content editors group. Each of these content editors has access to edit WWW content. The admins of the WWW system want to know when editors are no longer at penn or change orgs. This rule will email the admins when a content editor is removed from a group in the org folder.

Assign this rule to the group that has the membership to be checked. Todo: Change this page so that the rule is assigned to the group not a folder.

GSH example

```
grouperSession = GrouperSession.startRootSession();
groupWwwContentEditors = GroupFinder.findByName(grouperSession, "penn:isc:communications:www:
wwwContentEditors", true);
group9147org = GroupFinder.findByName(grouperSession, "penn:community:employee:org:9147:9147_personorg", true);
stemOrg = StemFinder.findByName(grouperSession, "penn:community:employee:org", true);
subjectMchyzer = SubjectFinder.findByIdentifierAndSource("mchyzer", "pennperson", true);
subjectBwh = SubjectFinder.findByIdentifierAndSource("bwh", "pennperson", true);
subjectRoot = SubjectFinder.findRootSubject();
attributeAssign = stemOrg.getAttributeDelegate().addAttribute(RuleUtils.ruleAttributeDefName()).
getAttributeAssign();
attributeAssign.getAttributeValueDelegate().assignValue(RuleUtils.ruleActAsSubjectSourceIdName(), subjectRoot.
getSourceId());
attributeAssign.getAttributeValueDelegate().assignValue(RuleUtils.ruleActAsSubjectIdName(), subjectRoot.
getId());
attributeAssign.getAttributeValueDelegate().assignValue(RuleUtils.ruleCheckTypeName(), RuleCheckType.
membershipRemoveInFolder.name());
attributeAssign.getAttributeValueDelegate().assignValue(RuleUtils.ruleCheckStemScopeName(), Stem.Scope.SUB.
name());
attributeAssign.getAttributeValueDelegate().assignValue(RuleUtils.ruleIfConditionEnumName(),
RuleIfConditionEnum.thisGroupHasImmediateEnabledMembership.name());
attributeAssign.getAttributeValueDelegate().assignValue(RuleUtils.ruleIfOwnerNameName(), groupWwwContentEditors.
getName());
attributeAssign.getAttributeValueDelegate().assignValue(RuleUtils.ruleThenEnumName(), RuleThenEnum.sendEmail.
name());
attributeAssign.getAttributeValueDelegate().assignValue(RuleUtils.ruleThenEnumArg0Name(), "mchyzer@upenn.edu");
attributeAssign.getAttributeValueDelegate().assignValue(RuleUtils.ruleThenEnumArg1Name(), "Member in WWW
content editors changed orgs");
attributeAssign.getAttributeValueDelegate().assignValue(RuleUtils.ruleThenEnumArg2Name(), "Hello, ${safeSubject.
name} was removed from an org group (${groupName}) and is a WWW content editor, might want to see if they
should still be a content editor.\n\n${safeSubject.description}\n\nRegards.");

attributeAssign.getAttributeValueDelegate().retrieveValueString(RuleUtils.ruleValidName());
groupWwwContentEditors.addMember(subjectMchyzer);
groupWwwContentEditors.addMember(subjectBwh);
group9147org.deleteMember(subjectMchyzer);
group9147org.deleteMember(subjectBwh);
group9147org.addMember(subjectMchyzer);
group9147org.addMember(subjectBwh);

//NOTE only remove if wasnt already a member
groupWwwContentEditors.deleteMember(subjectMchyzer);
groupWwwContentEditors.deleteMember(subjectBwh);
```

Rule configuration in attribute editor

Filter or assign attributes

Owner type: *
Folder

Attribute definition:

Attribute name:

Owner folder:
penn.community:employee:org

Enabled / disabled:
Enabled only

Filter
Assign

Attribute assignments

	Owner folder	Attribute name	Enabled?	Assignment values
Metadata on assignment	org	ruleValid	enabled	T
Metadata on assignment		ruleActAsSubjectSourceId	enabled	g:isa
Metadata on assignment		ruleActAsSubjectId	enabled	GrouperSystem
Metadata on assignment		ruleCheckType	enabled	membershipRemoveInFolder
Metadata on assignment		ruleIfConditionEnum	enabled	thisGroupHasImmediateEnabledMembership
Metadata on assignment		ruleIfOwnerName	enabled	penn:isc:communications:www:wwwContentEditors
Metadata on assignment		ruleThenEnum	enabled	sendEmail
Metadata on assignment		ruleThenEnumArg0	enabled	mchyzer@upenn.edu,jenyuan@isc.upenn.edu
Metadata on assignment		ruleThenEnumArg1	enabled	Member in WWW content editors changed orgs
Metadata on assignment		ruleCheckStemScope	enabled	SUB
Metadata on assignment		ruleThenEnumArg2	enabled	Hello, \${safeSubject.name} was removed from an org group (\${groupName}) and is a

Sample email

-----Original Message-----
From: noreply
Sent: Sunday, April 27, 2014 1:41 PM
To: www_content_admins@whatever.whatevs
Subject: Member in WWW content editors changed orgs

Hello, Chris Hyzer was removed from an org group (penn:community:employee:org:9147:9147_personorg) and is a www content editor, might want to see if they should still be a content editor.

Chris Hyzer (mchyzer, 10021368) (active) Staff - Astt And Information Security - Application Architect (also: Alumni)

Regards.