

Grouper rules pattern - Add disabled date on invalid membership

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Add this rule to the group that should receive the disabled date.

Grouper rules

If an employee is no longer a member of the employee ref group, and that employee ref group is in a policy subgroup, and there should be a grace period assigned, then add that user to a grace period group with an end date. You could also have a rule like this for people added to a lock-out group. The overall policy group would include the policy subgroup and the grace period group.

Configure rule for v5+

Home > Root > test > test1

test1

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Rule pattern

Add disabled date on invalid membership

Type of rule that solves an existing use case with a certain action, condition, and result.

What action the rule should check for

Check if removed from group

If you are checking a required group like employee then check if removed from group. If you are checking a forbidden group like lock-out then check if added to group.

Must be in group name

test2:test3:testGroup

Enter the group name that the entity must be a member of. Note this is the UI ID path, e.g. a:b:c

Grace period in days

10

Enter the number of days in the future when the membership should be disabled, e.g. 7 means the membership will last one week.

Add entity to group if not there

No

If 'Yes' and the entity which has invalid membership does not exist in this group, add them with a disabled date. If 'No' and the entity does not exist in this group then do nothing.

Run daemon override

If the rule has the ability to be run by daemon (for example to clean up data corruption), then you can set this to false if you do not want the daemon to run for this rule. If the rule does not have the ability to run in the daemon then this setting is ignored.

Save

Cancel

Configure rule for v4 and previous

GSH example

```

grouperSession = GrouperSession.startRootSession();
mustBeInGroup = GroupFinder.findByName(grouperSession, "test:base-eligible", true);
ruleGroup = GroupFinder.findByName(grouperSession, "test:grace-eligible", true);
actAs = grouperSession.getSubject();

AttributeAssign attributeAssign = ruleGroup.getAttributeDelegate().addAttribute(RuleUtils.
ruleAttributeDefName()).getAttributeAssign();

AttributeValueDelegate attributeValueDelegate = attributeAssign.getAttributeValueDelegate();

attributeValueDelegate.assignValue(RuleUtils.ruleActAsSubjectSourceIdName(), actAs.getSourceId());
attributeValueDelegate.assignValue(RuleUtils.ruleActAsSubjectIdName(), actAs.getId());

attributeValueDelegate.assignValue(RuleUtils.ruleCheckOwnerIdName(), mustBeInGroup.getId());
attributeValueDelegate.assignValue(RuleUtils.ruleCheckTypeName(), RuleCheckType.flattenedMembershipRemove.
name());
attributeValueDelegate.assignValue(RuleUtils.ruleThenEnumName(), RuleThenEnum.
assignMembershipDisabledDaysForOwnerGroupId.name());

attributeValueDelegate.assignValue(RuleUtils.ruleThenEnumArg0Name(), "7");

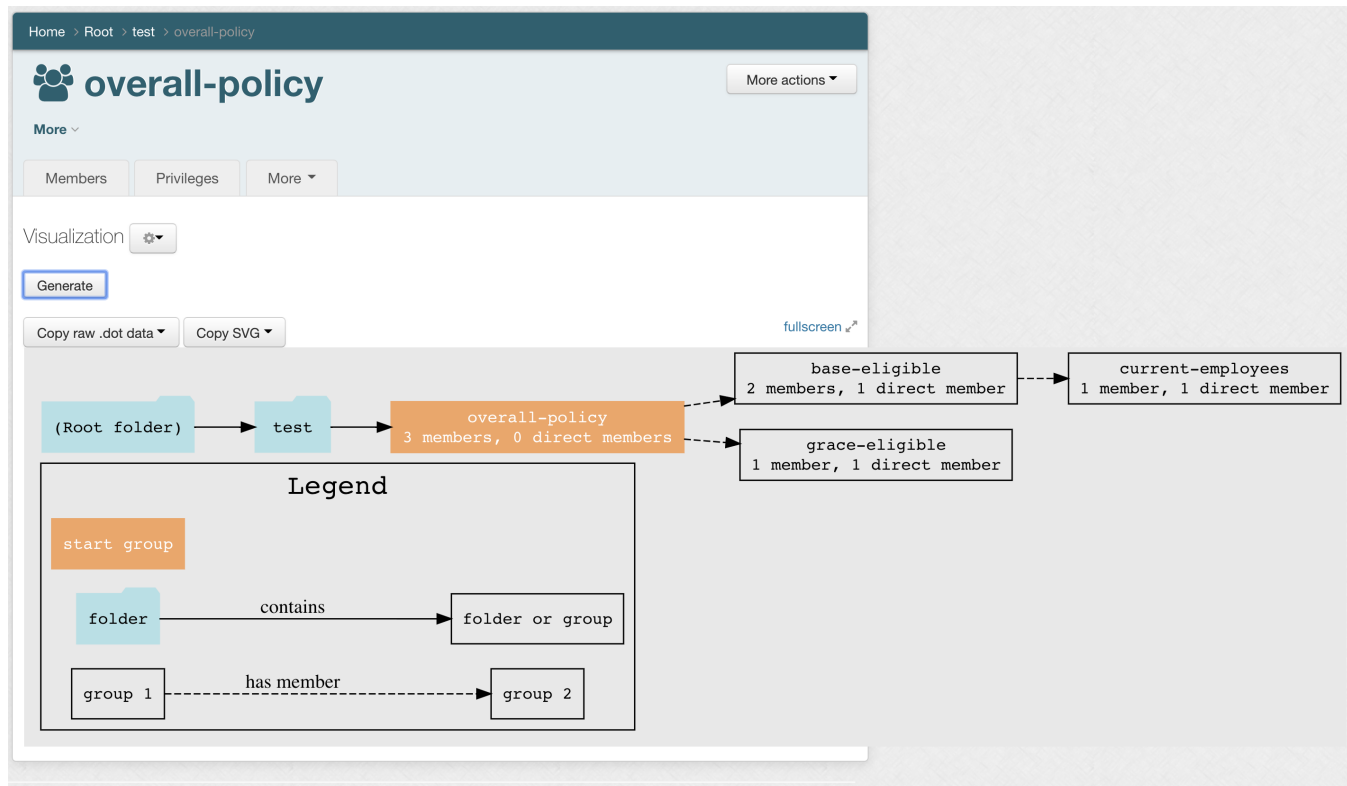
attributeValueDelegate.assignValue(RuleUtils.ruleThenEnumArg1Name(), "T");

//should be valid
String isValidString = attributeValueDelegate.retrieveValueString(RuleUtils.ruleValidName());

if (!"T".equals(isValidString)) {
    throw new RuntimeException(isValidString);
}

```

The base-eligible also has an employee group



When an employee is no longer an employee, you will see a rule fire here:

Daemon logs

Filter for: CHANGE_LOG_consumer_grouperRules

Start time between:

yyyy-mm-dd hh:mi:ss

yyyy-mm-dd hh:mi:ss

End time between:

yyyy-mm-dd hh:mi:ss

yyyy-mm-dd hh:mi:ss

Last updated between:

yyyy-mm-dd hh:mi:ss

yyyy-mm-dd hh:mi:ss

Subjobs:

☐ Show subjobs

Status:

☐ Success ☐ Error ☐ Started ☐ Running ☐ Warning ☐ Config error ☐ Subject problems

Number of rows:

400

Apply filter

Reset

13 logs found for job name: CHANGE_LOG_consumer_grouperRules

Status	Loaded group	Job type	Start time	End time	Millis	Millis get data	Millis load data	Total count	Add count	Update count	Delete count	Unresolvable count
Success	N/A	overall	2020-04-23 18:41:00.004	2020-04-23 18:41:00.042	38			3	0	0	0	0
Success	N/A	overall	2020-04-23 18:40:00.005	2020-04-23 18:40:00.01	5			0	0	0	0	0
Success	N/A	overall	2020-04-23 18:39:00.008	2020-04-23 18:39:00.019	11			4	0	0	0	0
Success	N/A	overall	2020-04-23 18:38:00.019	2020-04-23 18:38:00.03	12			0	0	0	0	0
Success	N/A	overall	2020-04-23 18:37:00.016	2020-04-23 18:37:00.022	6			0	0	0	0	0
Success	N/A	overall	2020-04-23 18:36:00.009	2020-04-23 18:36:00.027	18			6	0	0	0	0
Success	N/A	overall	2020-04-23 18:35:00.004	2020-04-23 18:35:00.011	7			2	0	0	0	0

Members

Privileges

More ▾

The following table lists all entities which are members of this group.

Filter for:

Has direct membership ▴ ▾

Whether to filter for all members, direct members only, or indirect members only

Filter by member name

Group filter:

Whether to filter using the memberships of another group. To add group filters, contact your administrator.

Enabled / disabled:

Enabled / disabled status ▴ ▾

By default, only memberships that are currently active are shown. To view all memberships including disabled memberships due to enabled/disabled dates, select the "Enabled / disabled status" option.

Point in time audit:

No, show current memberships only ▴ ▾

By default, only current memberships are shown. You can choose to show historical memberships based on audit data.

[Apply filter](#)[Reset](#)[Remove selected members](#)

<input type="checkbox"/>	Entity name ▾	Status	Enabled date	Disabled date	Membership	Choose action
<input type="checkbox"/>	 my name is test.subject.4	Enabled		2020/04/30 18:30:00	Direct	Actions ▾
<input type="checkbox"/>	 my name is test.subject.8	Enabled		2020/04/30 18:41:00	Direct	Actions ▾

Show:

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