

# Grouper rules pattern - Reassign attribute definition privileges if from group

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## Grouper rules

If an attribute definition is created, and the parent stem CREATE privilege is inherited from a group(s), then remove the individual ATTR\_ADMIN privilege from the created attribute definition, and assign the ATTR\_ADMIN privilege to the stem CREATE group(s). Note, if the user is a wheel or root, then just remove the individual assignment.

Todo: Check to see if this is automatic in Grouper.

## Java example

```
//add a rule on stem2 saying if you create a group underneath, then remove admin if in another group which
has create on stem
AttributeAssign attributeAssign = stem2
    .getAttributeDelegate().addAttribute(RuleUtils.ruleAttributeDefName()).getAttributeAssign();

AttributeValueDelegate attributeValueDelegate = attributeAssign.getAttributeValueDelegate();

attributeValueDelegate.assignValue(
    RuleUtils.ruleActAsSubjectSourceIdName(), "g:isa");
attributeValueDelegate.assignValue(
    RuleUtils.ruleActAsSubjectIdName(), "GrouperSystem");
attributeValueDelegate.assignValue(
    RuleUtils.ruleCheckTypeName(), RuleCheckType.attributeDefCreate.name());

//can be SUB or ONE for if in this folder, or in this and all subfolders
attributeValueDelegate.assignValue(
    RuleUtils.ruleCheckStemScopeName(), Stem.Scope.SUB.name());
attributeValueDelegate.assignValue(
    RuleUtils.ruleThenEnumName(), RuleThenEnum.reassignAttributeDefPrivilegesIfFromGroup.name());

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

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

## GSH shorthand method

```
RuleApi.reassignAttributeDefPrivilegesIfFromGroup(SubjectFinder.findRootSubject(), stem2, Stem.Scope.SUB);
```

## GSH test case

```
TODO
```

## GSH daemon

There is no daemon for this rule