

Grouper custom template via GSH impersonate delete example

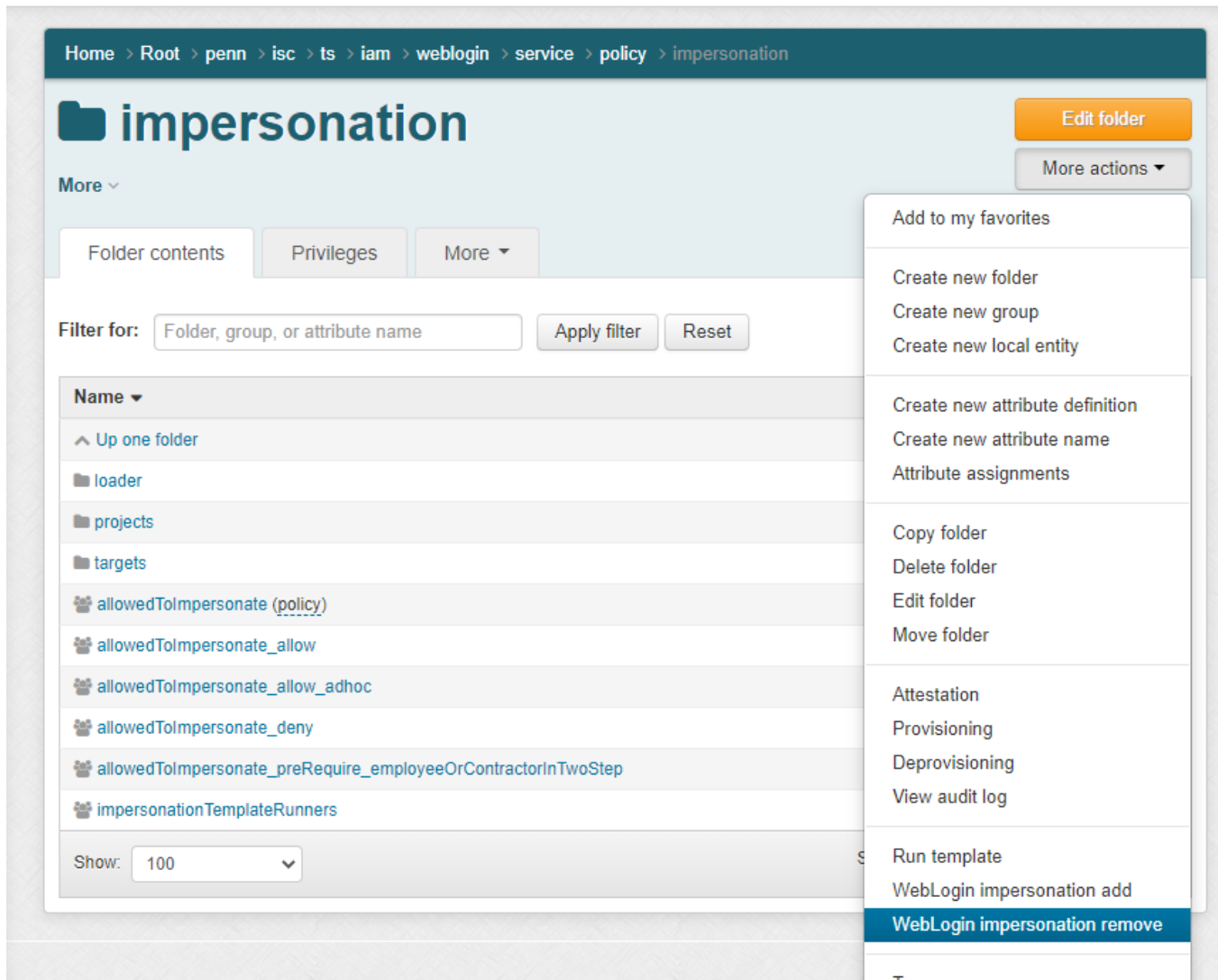
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Description

This template removes a project team from the impersonation feature.

Run the template

Anyone in the group who is allowed to run the template (SSO admins) will see this in the impersonate folder or subfolders



Input

Inputs

Input	Example	Description
gsh_input_projectName	wiki	Folder extension to delete

Config

Regex for camel case label alphanumeric starts with lower

```
^[a-z][a-zA-Z0-9]{1,49}$
```

GSH templates

Actions ▾

Config id	impersonationWebloginRemove		
Enabled	<input type="checkbox"/> EL?	<input checked="" type="radio"/> Default value (True) <input type="radio"/> True <input type="radio"/> False if this template is enabled. Default value is 'true'.	
Show on folders	<input type="checkbox"/> EL?	<input type="radio"/> Default value (False) <input checked="" type="radio"/> True <input type="radio"/> False if this template option is available on folders. Default value is 'false'.	
Folder show type	<input type="checkbox"/> EL?	<div>Certain folder ▾</div> <div>Where should this template be available</div>	*
Folder uuid to show	<input type="checkbox"/> EL?	<div>ea17e94288304590b1dced700f522aa2</div> <div>UUID of folder to show this template</div>	*
Folder show on descendants	<input type="checkbox"/> EL?	<div>Certain folder and all descendants ▾</div> <div>certainFolder: just show on one folder. oneChildLevel: only show on child level under folder. certainFolderAndOneChildLevel: show the folder and one level of children. descendants: show all folders under the folder. certainFolderAndDescendants: show folder and all descendants.</div>	*
Security run type	<input type="checkbox"/> EL?	<div>Specified group ▾</div> <div>Who can run this template. Only GrouperSystem / wheel group, or specify a group</div>	*
Group uuid	<input type="checkbox"/> EL?	<div>5d4a3c7cce944d7f955573093e6dd6e7</div> <div>UUID of group that can run this template</div>	*
Run as type	<input type="checkbox"/> EL?	<div>GrouperSystem ▾</div> <div>Select the type of user to run as. "currentUser" means run as the user using the UI. "GrouperSystem" means run as root user, "specifiedSubject" means you can pick a subject to run as (not common).</div>	*
Group can WS act as	<input type="checkbox"/> EL?	<div></div> <div>Group UUID where members of the group, when they execute a template via WS can act as other users</div>	
Externalized text?	<input type="checkbox"/> EL?	<input checked="" type="radio"/> Default value (False) <input type="radio"/> True <input type="radio"/> False Select 'True' if you would like to use externalized text for template name, description, and input labels & descriptions. Default value is 'false'.	
Template name	<input type="checkbox"/> EL?	<div>WebLogin impersonation remove</div> <div>Template name</div>	*
Template description	<input type="checkbox"/> EL?	<div>Removes a project which can manage who on the project can impersonate another user and which users they can impersonate</div> <div>Template description</div>	
Show in more actions	<input type="checkbox"/> EL?	<input type="radio"/> Default value (False) <input checked="" type="radio"/> True <input type="radio"/> False If you want this template to show under folders and groups 'More actions' button, select 'True'. Default value is 'false'.	
Template label in more actions	<input type="checkbox"/> EL?	<div>WebLogin impersonation remove</div> <div>Label you want for this template to show under folders and groups 'More actions' button.</div>	*
Display error messages and output on error	<input type="checkbox"/> EL?	<input type="radio"/> Default value (False) <input checked="" type="radio"/> True <input type="radio"/> False If you want to see error messages and output when you run gsh template and	

experience problems, Select 'True'. Default value is 'false'.

Lightweight GSH

☐ EL?

☒ Default value (False) ☐ True ☐ False

If you are managing your own imports and don't want built-ins select true. This reduces the GSH execution time by a few seconds. Default value is 'false'.

Run gsh script in transaction

☐ EL?

☒ Default value (True) ☐ True ☐ False

Run gsh script in a database transaction so that if any statement fails, then all the database changes are rolled back. Default value is 'true'.

Use individual audits

☐ EL?

☒ Default value (True) ☐ True ☐ False

If each Grouper action that is run should have an individual audit record. If false, just have an audit record that the user ran the template in general. Default value is 'true'.

Consolidate output

☐ EL?

☒ Default value (True) ☐ True ☐ False

When printing multiple output statements to the UI, should the successes be merged into one green block (and errors, and info into their blocks). Default value is 'true'.

GSH script

☐ EL?

```
import java.util.*;
import edu.internet2.middleware.grouper.cfg.*;
import edu.internet2.middleware.grouper.misc.*;
```

This is the GSH template to run

Number of inputs

☐ EL?

1

Number of inputs (form elements on ui or in ws). Default value is '0'.

Input gsh_input_projectName

Input item configuration and validation. An input item is provided by the user using the UI or WS.

Input gsh_input_projectName: name	<input type="checkbox"/> EL?	<input type="text" value="gsh_input_projectName"/> *
Name of the ui form element, ws param, template variable. Must start with gsh_input_		
Input gsh_input_projectName: label	<input type="checkbox"/> EL?	<input type="text" value="Project name"/> *
Label on the UI for this input		
Input gsh_input_projectName: description	<input type="checkbox"/> EL?	<input type="text" value="Enter the folder ID of the folder in the projects folder. This will remo"/> *
Description on the UI for this input		
Input gsh_input_projectName: input type	<input type="checkbox"/> EL?	<input type="text" value=""/> ▼
Type of the data. Default value is 'string'.		
Input gsh_input_projectName: form element type	<input type="checkbox"/> EL?	<input type="text" value=""/> ▼
Form element type on UI. Default value is 'text'.		
Input gsh_input_projectName: max length	<input type="checkbox"/> EL?	<input type="text" value="50"/>
Max length. Default value is '500'.		
Input gsh_input_projectName: form element index	<input type="checkbox"/> EL?	<input type="text" value=""/>
Form elements will show on the form in order of "index". DefaultValue is 0. If two elements have the same index then they will show in order of configuration. Default value is '0'.		
Input gsh_input_projectName: validation type	<input type="checkbox"/> EL?	<input type="text" value="Regex"/> ▼ *
Type of validation on the input		
Input gsh_input_projectName: validation regex	<input type="checkbox"/> EL?	<input type="text" value="^[a-z][a-zA-Z0-9]{1,49}\$"/> *
Regex to check the input and if it doesnt match then fail. For example, this is alphanumeric or underscore length between 1 and 50		
Input gsh_input_projectName: validation message	<input type="checkbox"/> EL?	<input type="text" value="Must start with lower case, and be alphanumeric and underscore, m"/>
Validation message that should be shown for builtin validations		
Input gsh_input_projectName: required	<input type="checkbox"/> EL?	<input type="radio"/> Default value (False) <input checked="" type="radio"/> True <input type="radio"/> False
If this input is required for template to run. Default value is 'false'.		
Input gsh_input_projectName: Jexl for showEI	<input type="checkbox"/> EL?	<input type="text" value=""/>
Jexl for if this field should show, note all inputs are available to use as variables		
Input gsh_input_projectName: trim whitespace	<input type="checkbox"/> EL?	<input checked="" type="radio"/> Default value (True) <input type="radio"/> True <input type="radio"/> False
If whitespace should be trimmed from the value for this input. Default value is 'true'.		

GSH script

```

import java.util.*;
import edu.internet2.middleware.grouper.cfg.*;
import edu.internet2.middleware.grouper.misc.*;
import edu.internet2.middleware.grouper.util.*;
import edu.internet2.middleware.grouper.app.gsh.template.GshTemplateOutput;
import edu.internet2.middleware.grouper.attr.assign.*;
import edu.internet2.middleware.grouper.attr.finder.*;
import edu.internet2.middleware.grouper.attr.value.*;
import edu.internet2.middleware.grouper.*;
import edu.internet2.middleware.subject.*;
import org.apache.commons.lang.*;

//// uncomment to compile in eclipse
//// input of project name, alphanumeric, start with lower.
//String gsh_input_projectName = null;
//
//Subject gsh_built_in_subject = null;
//GshTemplateOutput gsh_built_in_gshTemplateOutput = null;
//GrouperSession gsh_built_in_grouperSession = null;

// if gsh_input_projectName is ngss, then projectNameCap is Ngss
String projectNameCap = StringUtils.capitalize(gsh_input_projectName);

String projectStemName = "penn:isc:ts:iam:weblogin:service:policy:impersonation:projects:" +
gsh_input_projectName;

// 1. Obliterate project folder
StemSave projectFolderSave = new StemSave().assignName(projectStemName).assignSaveMode(SaveMode.DELETE);
projectFolderSave.save();
if (projectFolderSave.getSaveResultType() == SaveResultType.DELETE) {
    gsh_built_in_gshTemplateOutput.addOutputLine("Project folder deleted: " + projectStemName);
} else {
    gsh_built_in_gshTemplateOutput.addOutputLine("Project folder did not exist: " + projectStemName);
}

String superAdminGroupName = projectStemName + ":impersonation" + projectNameCap + "SuperAdmins";

String impersonateAttestationEmailAddress = superAdminGroupName + "@grouper";

// 2. Remove from grouper.properties that the super admins group can receive email
GrouperEmail.removeAllowEmailToGroup(impersonateAttestationEmailAddress);
gsh_built_in_gshTemplateOutput.addOutputLine("Removed the configuration to allow emailing the " +
gsh_input_projectName + " SuperAdmins");

// done!
gsh_built_in_gshTemplateOutput.addOutputLine("Finished removing impersonation project: " +
gsh_input_projectName);

```