

APAR: IV53878 (RTC 101199)

Symptom: Dynamic Role membership is not evaluated while suspending or restoring a person.

Problem Description:

Create dynamic role containing erpersonstatus in the filter (example, (erpersonstatus=0) as filter), then all the applicable persons become member of this dynamic role. Now suspend or restore any user who is a member of the dynamic role such that after suspend or restore operation the user does not satisfy the filter. Ideally the person should get removed from dynamic role membership after suspend or restore operation. However the person still remains as the member of dynamic role even though the person's status gets updated.

After the fix for the above issue, the person entity would be updated and role membership would be added or removed from it, if the person being suspended or restored satisfies a dynamic role filter. In this scenario, if the added/removed dynamic role is a member of any provisioning policy then the said policy(s) should be enforced after person is suspended or restored.

The default person suspend and restore operation workflow does not invoke policy evaluation after the person is suspended or restored.

This document describes the manual changes to be made to suspend and restore person workflow, to invoke enforce policy operation after suspend and restore operation.

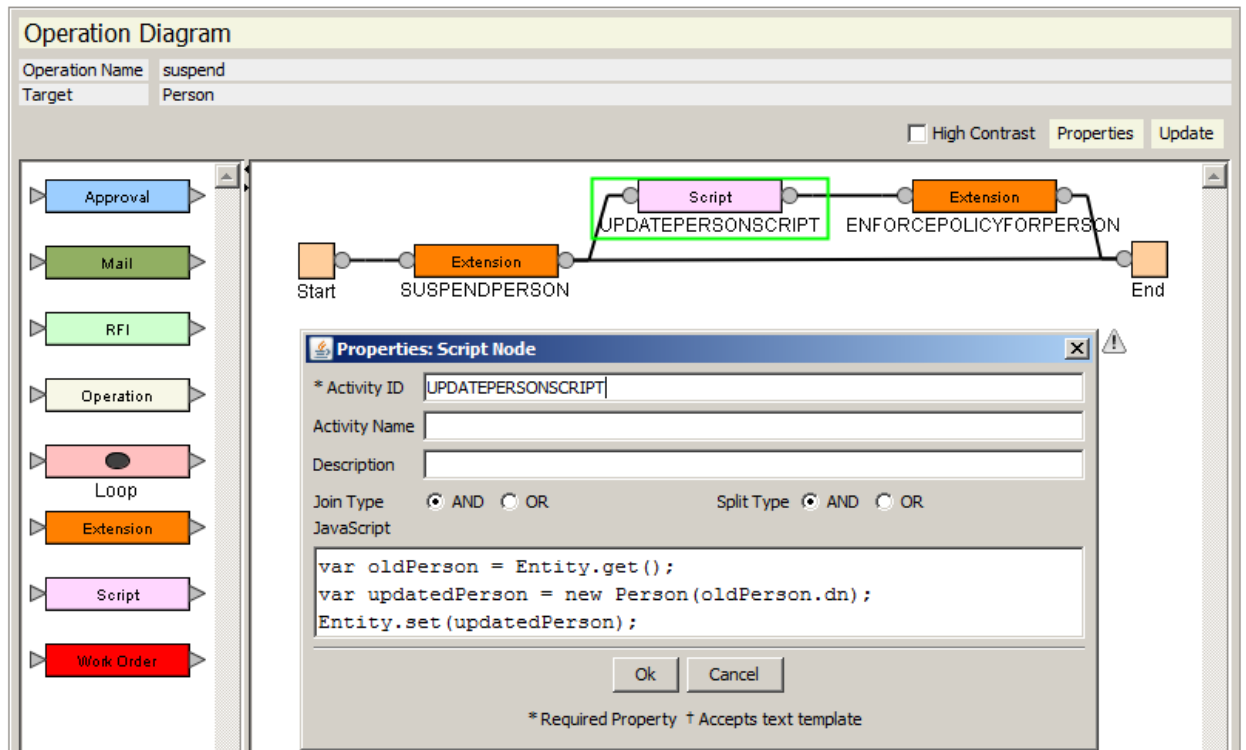
Resolving the problem:

Make following changes in suspend and restore person workflows (if not already present). Make the changes to suspend and restore operation for "Person" entity type and also for individual person entities for which suspend or restore workflows are customized.

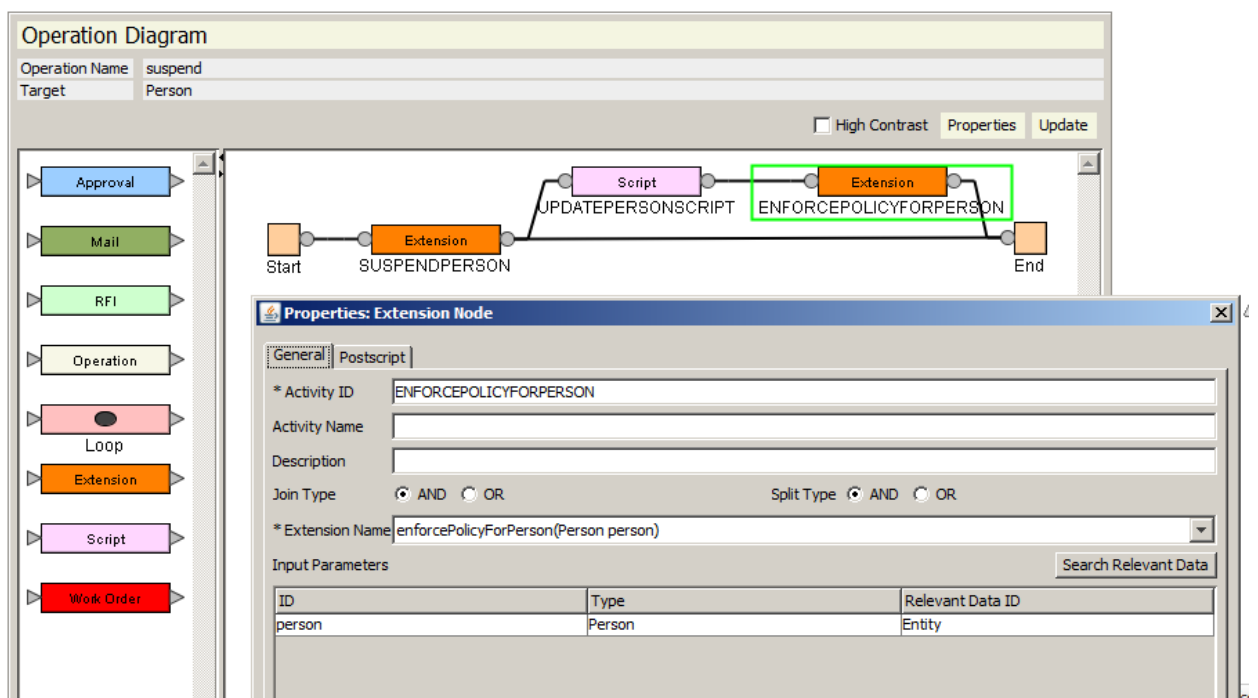
1. Suspend Person workflow

- a. Open "suspend" person workflow in workflow designer.
- b. Add a new script node after "SUSPENDPERSON" extension. Add the following script in new script node to refresh the "Entity" relevant data as shown in below screenshot.

```
<script>  
    var oldPerson = Entity.get();  
    var updatedPerson = new Person(oldPerson.dn);  
    Entity.set(updatedPerson);  
</script>
```



c. Add a new extension node after “UPDATEPERSONSCRIPT” script node to enforce the policy as shown in below screenshot.



d. Save the workflow.

Please refer below tables (Table 1 and Table 2) for node properties and link properties of the suspend person workflow.

Table 1. Node properties: Suspend Person Workflow

Node	Feature	Value
Start	Activity ID	START
	Join Type	AND
	Split Type	AND
Extension	Activity ID	SUSPENDPERSON
	Join Type	AND
	Split Type	AND
	Extension Name	suspendPerson(Person person, String accountSuspend)
	Postscript	WorkflowRuntimeContext.setProcessResult(WorkflowRuntimeContext.getActivityResult()); WorkflowRuntimeContext.setProcessResultDetail(WorkflowRuntimeContext.getActivityResultDetail());
Script	Activity ID	UPDATEPERSONSCRIPT
	Join Type	AND
	Split Type	AND
	Javascript	var oldPerson = Entity.get(); var updatedPerson = new Person(oldPerson.dn); Entity.set(updatedPerson);
Extension	Activity ID	ENFORCEPOLICYFORPERSON
	Join Type	AND
	Split Type	AND
	Extension Name	enforcePolicyForPerson(Person person)
	Postscript	WorkflowRuntimeContext.setProcessResult(WorkflowRuntimeContext.getActivityResult()); WorkflowRuntimeContext.setProcessResultDetail(WorkflowRuntimeContext.getActivityResultDetail());
End	Activity ID	END
	Join Type	AND

Table 1. Node properties: Suspend Person Workflow

Node	Feature	Value
	Split Type	AND

Table 2. Link properties: Suspend Person workflow

From	To	Feature	Value
Start START	Extension SUSPENDPERSON	Custom Condition	true
Extension SUSPENDPERSON	Script UPDATEPERSONSCRIPT	Custom Condition	activity.resultSummary != activity.FAILED
Script UPDATEPERSONSCRIPT	Extension ENFORCEPOLICYFORPERSON	Custom Condition	true
Extension ENFORCEPOLICYFORPERSON	End END	Custom Condition	true
Extension SUSPENDPERSON	End END	Custom Condition	activity.resultSummary == activity.FAILED

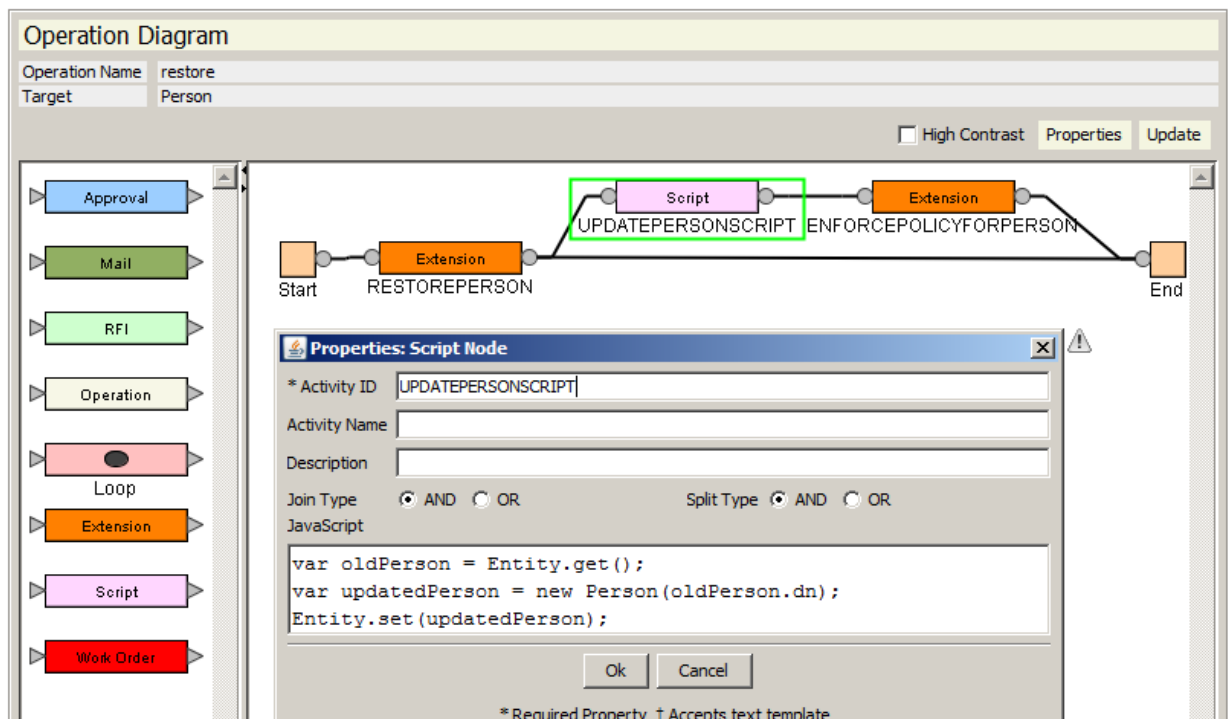
2. Restore Person workflow

- Open "restore" person workflow in workflow designer.
- Add a new script node after "RESTOREPERSON" extension. Add the following script in new script node to refresh the "Entity" relevant data as shown in below screenshot.

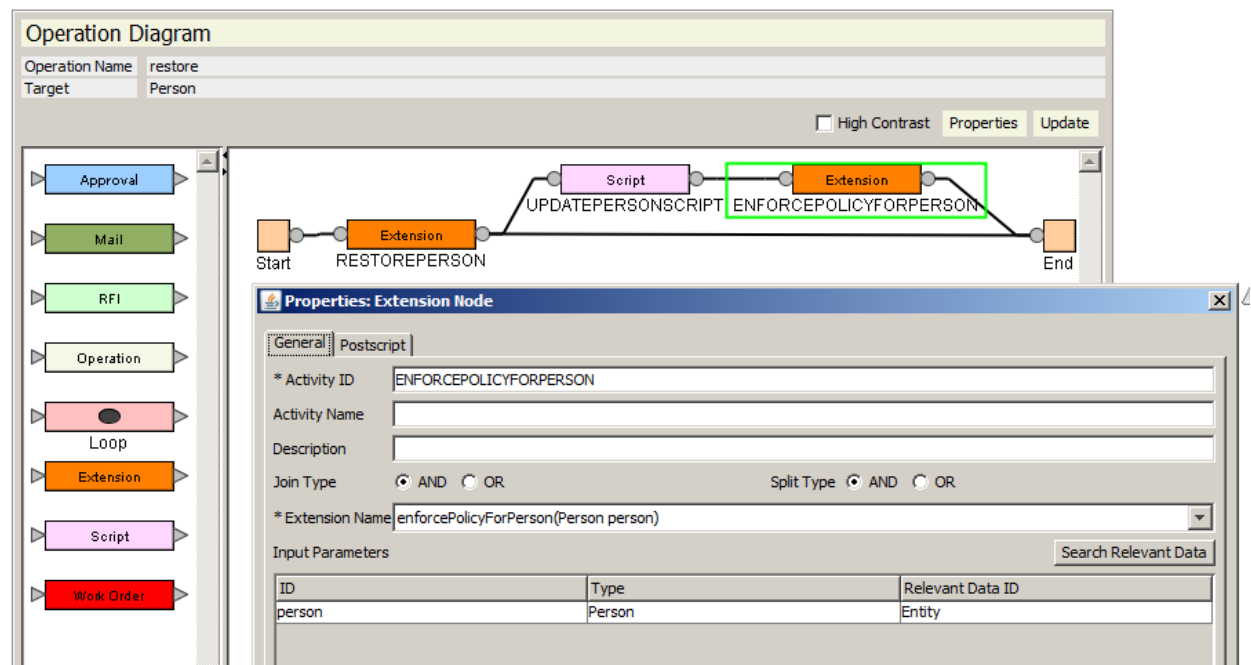
```
<script>
```

```
    var oldPerson = Entity.get();
    var updatedPerson = new Person(oldPerson.dn);
    Entity.set(updatedPerson);
```

```
</script>
```



c. Add a new extension node after “UPDATEPERSONSCRIPT” script node to enforce the policy as shown in below screenshot.



d. Save the workflow.

Please refer below tables (Table 3 and Table 4) for node properties and link properties of the restore person workflow.

Table 3. Node properties: Restore Person Workflow

Node	Feature	Value
Start	Activity ID	START
	Join Type	AND
	Split Type	AND
Extension	Activity ID	RESTOREPERSON
	Join Type	AND
	Split Type	AND
	Extension Name	restorePerson(Person person, String accountRestore)
	Postscript	WorkflowRuntimeContext.setProcessResult(WorkflowRuntimeContext.getActivityResult()); WorkflowRuntimeContext.setProcessResultDetail(WorkflowRuntimeContext.getActivityResultDetail());
Script	Activity ID	UPDATEPERSONSCRIPT
	Join Type	AND
	Split Type	AND
	Javascript	var oldPerson = Entity.get(); var updatedPerson = new Person(oldPerson.dn); Entity.set(updatedPerson);
Extension	Activity ID	ENFORCEPOLICYFORPERSON
	Join Type	AND
	Split Type	AND
	Extension Name	enforcePolicyForPerson(Person person)
	Postscript	WorkflowRuntimeContext.setProcessResult(WorkflowRuntimeContext.getActivityResult()); WorkflowRuntimeContext.setProcessResultDetail(WorkflowRuntimeContext.getActivityResultDetail());
End	Activity ID	END

Table 3. Node properties: Restore Person Workflow

Node	Feature	Value
	Join Type	AND
	Split Type	AND

Table 4. Link properties: Restore Person workflow

From	To	Feature	Value
Start START	Extension RESTOREPERSON	Custom Condition	true
Extension RESTOREPERSON	Script UPDATEPERSONSCRIPT	Custom Condition	activity.resultSummary != activity.FAILED
Script UPDATEPERSONSCRIPT	Extension ENFORCEPOLICYFORPERSON	Custom Condition	true
Extension ENFORCEPOLICYFORPERSON	End END	Custom Condition	true
Extension RESTOREPERSON	End END	Custom Condition	activity.resultSummary == activity.FAILED