

RUNA WFE. Instructions on Use of Administrative Scripts

Version 2.1

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Scripts are located in a separate adminkit folder.

Under Windows, a script is launched by the following command: script-runner.bat

Under Linux, a script is launched by the following command: script-runner.sh

Script configuration is defined in a separate file (by default scripts/deploy-samples-script.xml)

Configuring script-runner.bat (script-runner.sh)

1. Assign the name of the user launching the script to the LOGIN variable (set LOGIN="Name")
2. Assign this user's password value to the PASSWORD variable (set PASSWORD="password")
3. The name of the file containing the script configuration can also be specified (script.xml by default). To do this, assign the file name value to the SCRIPT variable.

The script uses the wfescript_delegate.properties configuration file, located in the conf folder.

This file specifies how the script connects to the workflow system. Updatable parameters:

- ru.runa.af.delegate.remote.provider.url – defines URL RMI/IIOP connections to the

workflow server. Must have the jnp protocol and contain an address and a port number for the connection.

Script Language

A script is a properly formatted XML-document with an upper-level tag <workflowScript>, where the body of the script is contained.

A script must contain an XML Schema declaration in the workflowScript.xsd file. See a sample of a schema declaration in the attached script.xml sample file.

The tag contains the following elements defining the actions performed:

<i>Element</i>	<i>Description</i>
createActor	Creates an actor.
createGroup	Creates a group of actors.
deleteExecutor	Deletes an executor.
addExecutorsToGroup	Adds an executor into a group.
removeExecutorsFromGroup	Removes an executor from a group.
addPermissionsOnActor	Adds permissions on an actor.
setPermissionsOnActor	Sets permissions on an actor.
removePermissionsOnActor	Removes permissions on an actor.
addPermissionsOnGroup	Adds permissions on a group.
setPermissionsOnGroup	Sets permissions on a group.
removePermissionsOnGroup	Removes permissions on a group.
addPermissionsOnSystem	Adds permissions on a system.
setPermissionsOnSystem	Sets permissions on a system.
removePermissionsOnSystem	Removes permissions on a system.
addPermissionsOnDefinition	Adds permissions on a business process definition.
setPermissionsOnDefinition	Sets permissions on a business process definition.
removePermissionsOnDefinition	Removes permissions on a business process definition.
addPermissionsOnProcessInstances	Adds permissions on all existing business process instances.
setPermissionsOnProcessInstances	Sets permissions on all existing business process instances.
removePermissionsOnProcessInstances	Removes permissions on all existing business process instances.

Detailed Description of Elements

executor

Attributes:

<i>Attribute</i>	<i>Description</i>	<i>Mandatory</i>
name	Actor name	Mandatory

permission

Attributes:

<i>Attribute</i>	<i>Description</i>	<i>Mandatory</i>
name	Permission name	Mandatory

Valid Values for permission Element

This element specifies the type of permission on an object granted to a subject (see "RUNA WFE Administrator's Guide" for more information) and contains only one attribute – Name. The valid values for permission are as follows:

<i>Value</i>	<i>Description</i>
permission.read	Permission to read.
permission.update_permissions	Permission to update permissions.
permission.login_to_system	Permission to login.
permission.create_executor	Permission to create a user.
permission.deploy_definition	Permission to load a process definition into the system.
permission.update_executor	Permission to update properties (of an executor).
permission.list_group	Permission to view (group members).
permission.add_to_group	Permission to add members into a group.
permission.remove_from_group	Permission to remove members from a group.
permission.redploy_definition	Permission to modify (a business process definition in the system)
permission.undeploy_definition	Permission to unload (a business process definition from the system).
permission.start_process	Permission to start a business process.
permission.read_instance	Permission to read an instance (of a business process).
permission.cancel_instance	Permission to cancel an instance (of a business process).

createActor

Attributes:

<i>Attribute</i>	<i>Description</i>	<i>Mandatory</i>
name	Actor name	Mandatory
fullName	Full name	Optional
description	Description	Optional
password	Actor password	Optional

Tag example:

```
<createActor name="ivanov" fullName="P. N. Ivanov"  
description="engineer"/>
```

createGroup

Attributes:

<i>Attribute</i>	<i>Description</i>	<i>Mandatory</i>
name	Group name	Mandatory
description	Description	Optional

Tag example:

```
<createGroup name="Accountants" description="Financial staff"/>
```

deleteExecutor

Attributes:

<i>Attribute</i>	<i>Description</i>	<i>Mandatory</i>
name	Name executor to be deleted	Mandatory

Tag example:

```
<deleteExecutor name="ivanova" />
```

addExecutorsToGroup

Attributes:

<i>Attribute</i>	<i>Description</i>	<i>Mandatory</i>
name	Name of the group to which members are added	Mandatory

Embedded elements:

<i>Element</i>	<i>Description</i>	<i>Mandatory</i>
executor	An executor is an actor or a group of actors	At least 1

Tag example:

```
<addExecutorsToGroup name="HR staff">  
  <executor name="ivanova"/>  
  <executor name="petrova"/>  
</addExecutorsToGroup>
```

removeExecutorsFromGroup

Attributes:

<i>Attribute</i>	<i>Description</i>	<i>Mandatory</i>
name	Name of the group, from which members are removed.	Mandatory

Embedded elements:

<i>Element</i>	<i>Description</i>	<i>Mandatory</i>
executor	An actor or a group of actors	At least 1

Tag example:

```
<removeExecutorsFromGroup name="employee">  
  <executor name="ivanova"/>  
  <executor name="petrova"/>  
</removeExecutorsFromGroup>
```

addPermissionsOnGroup

Attributes:

<i>Attribute</i>	<i>Description</i>	<i>Mandatory</i>
name	Name of the group, on which permissions are added on	Mandatory
executor	Name of executor, permissions are added to	Mandatory

Embedded elements:

<i>Element</i>	<i>Description</i>	<i>Mandatory</i>
permission	Permission type	Optional

Tag example:

```
<addPermissionsOnGroup name="ACY" executor="ivanov">
  <permission name="permission.read"/>
  <permission name="permission.list_group"/>
  <permission name="permission.add_to_group"/>
  <permission name="permission.remove_from_group"/>
</addPermissionsOnGroup>
```

setPermissionsOnGroup

Attributes:

<i>Attribute</i>	<i>Description</i>	<i>Mandatory</i>
name	Name of the group, on which permissions are added	Mandatory
executor	Name of executor, permissions are granted to.	Mandatory

Embedded elements:

<i>Element</i>	<i>Description</i>	<i>Mandatory</i>
permission	Permission type	Optional

Tag example:

```
<setPermissionsOnGroup name="ACY" executor="ivanov">
  <permission name="permission.read"/>
  <permission name="permission.list_group"/>
  <permission name="permission.remove_from_group"/>
</setPermissionsOnGroup>
```

removePermissionsOnGroup

Attributes:

<i>Attribute</i>	<i>Description</i>	<i>Mandatory</i>
name	Name of the group, on which permissions are removed	Mandatory
executor	Executor, whose permissions are removed	Mandatory

Embedded elements:

<i>Element</i>	<i>Description</i>	<i>Mandatory</i>
permission	Permission type	Optional

Tag example:

```
<removePermissionsOnGroup name="Information Systems">
```

```

executor="ivanov">
    <permission name="permission.list_group"/>
</removePermissionsOnGroup>

```

addPermissionsOnSystem

Attributes:

<i>Attribute</i>	<i>Description</i>	<i>Mandatory</i>
executor	Executor, permissions on the system are added to	Mandatory

Embedded elements:

<i>Element</i>	<i>Description</i>	<i>Mandatory</i>
permission	Permission type	Optional

Tag example:

```

<addPermissionsOnSystem executor="All employees">
    <permission name="permission.read"/>
    <permission name="permission.login_to_system"/>
</addPermissionsOnSystem>

```

setPermissionsOnSystem

Attributes:

<i>Attribute</i>	<i>Description</i>	<i>Mandatory</i>
executor	Executor, permissions on the system are granted to	Mandatory

Embedded elements:

<i>Element</i>	<i>Description</i>	<i>Mandatory</i>
permission	Permission type	Optional

Tag example:

```

<setPermissionsOnSystem executor="All employees">
    <permission name="permission.login_to_system"/>
</setPermissionsOnSystem>

```

removePermissionsOnSystem

Attributes:

<i>Attribute</i>	<i>Description</i>	<i>Mandatory</i>
executor	Executor, whose permissions on the system are removed	Mandatory

Embedded elements:

<i>Element</i>	<i>Description</i>	<i>Mandatory</i>
permission	Permission type	Optional

Tag example:

```

<removePermissionsOnSystem executor="All employees">
    <permission name="permission.login_to_system"/>
</removePermissionsOnSystem>

```

addPermissionsOnActor

Attributes:

<i>Attribute</i>	<i>Description</i>	<i>Mandatory</i>
name	Name of the actor, permissions are added on	Mandatory
executor	Name of executor, permissions are added to	Mandatory

Embedded elements:

<i>Element</i>	<i>Description</i>	<i>Mandatory</i>
permission	Permission type	Optional

Tag example:

```
<addPermissionsOnActor name="ivanov" executor="agents">
  <permission name="permission.read"/>
  <permission name="permission.update_permissions"/>
</addPermissionsOnActor>
```

setPermissionsOnActor

Attributes:

<i>Attribute</i>	<i>Description</i>	<i>Mandatory</i>
name	Name of the actor, permissions are set on	Mandatory
executor	Executor, permissions on the actor are granted to	Mandatory

Embedded elements:

<i>Element</i>	<i>Description</i>	<i>Mandatory</i>
permission	Permission type	Optional

Tag example:

```
<setPermissionsOnActor name="ivanov" executor="agents">
  <permission name="permission.read"/>
  <permission name="permission.update_permissions"/>
</setPermissionsOnActor >
```

removePermissionsOnActor

Attributes:

<i>Attribute</i>	<i>Description</i>	<i>Mandatory</i>
name	Name of actor, on whom permissions are removed	Mandatory
executor	Executor, whose permissions on the actor are removed	Mandatory

Embedded elements:

<i>Element</i>	<i>Description</i>	<i>Mandatory</i>
permission	Permission type	Optional

Tag example:

```
<removePermissionsOnActor name="ivanov" executor="agents">
  <permission name="permission.read"/>
</removePermissionsOnActor>
```

addPermissionsOnDefinition

Attributes:

<i>Attribute</i>	<i>Description</i>	<i>Mandatory</i>
name	Business process, permissions are added on	Mandatory
executor	Name of executor, permissions are added to	Mandatory

Embedded elements:

<i>Element</i>	<i>Description</i>	<i>Mandatory</i>
permission	Permission type	Optional

Tag example:

```
<addPermissionsOnDefinition name="leave" executor="ivanov">  
  <permission name="permission.read"/>  
  <permission name="permission.start_process"/>  
  <permission name="permission.read_instance"/>  
</addPermissionsOnDefinition>
```

setPermissionsOnDefinition

Attributes:

<i>Attribute</i>	<i>Description</i>	<i>Mandatory</i>
name	Business process, permissions are set on	Mandatory
executor	Executor, permissions are granted to	Mandatory

Embedded elements:

<i>Element</i>	<i>Description</i>	<i>Mandatory</i>
permission	Permission type	Optional

Tag example:

```
<setPermissionsOnDefinition name="leave" executor="ivanov">  
  <permission name="permission.read"/>  
  <permission name="permission.update_permissions"/>  
  <permission name="permission.redeploy_definition"/>  
  <permission name="permission.undeploy_definition"/>  
  <permission name="permission.start_process"/>  
  <permission name="permission.read_instance"/>  
</setPermissionsOnDefinition>
```

removePermissionsOnDefinition

Attributes:

<i>Attribute</i>	<i>Description</i>	<i>Mandatory</i>
name	Business process, on which permissions are removed	Mandatory
executor	Executor, whose permissions are removed	Mandatory

Embedded elements:

<i>Element</i>	<i>Description</i>	<i>Mandatory</i>
permission	Permission type	Optional

Tag example:

```
<removePermissionsOnDefinition name="leave" executor="ivanov">
  <permission name="permission.undeploy_definition"/>
</removePermissionsOnDefinition>
```

addPermissionsOnProcessInstances

Attributes:

<i>Attribute</i>	<i>Description</i>	<i>Mandatory</i>
name	Business process, on whose instances permissions are added	Mandatory
executor	Name of executor, permissions are added to	Mandatory

Embedded elements:

<i>Element</i>	<i>Description</i>	<i>Mandatory</i>
permission	Permission type	Optional

Tag example:

```
<addPermissionsOnProcessInstances name="leave" executor="HR
  staff">
  <permission name="permission.update_permissions" />
  <permission name="permission.cancel_instance" />
</addPermissionsOnProcessInstances>
```

setPermissionsOnProcessInstances

Attributes:

<i>Attribute</i>	<i>Description</i>	<i>Mandatory</i>
name	Business process, on whose instances permissions are granted	Mandatory
executor	Executor, permissions are granted to	Mandatory

Embedded elements:

<i>Element</i>	<i>Description</i>	<i>Mandatory</i>
permission	Permission type	Optional

Tag example:

```
<setPermissionsOnProcessInstances name="leave" executor="HR
  staff">
  <permission name="permission.read" />
  <permission name="permission.update_permissions" />
  <permission name="permission.cancel_instance" />
</setPermissionsOnProcessInstances>
```

removePermissionsOnProcessInstances

Attributes:

<i>Attribute</i>	<i>Description</i>	<i>Mandatory</i>
name	Business process, on whose instances	Mandatory

	permissions are granted	
executor	The executor, permissions are granted to	Mandatory

Embedded elements:

<i>Element</i>	<i>Description</i>	<i>Mandatory</i>
permission	Permission type	Optional

Tag example:

```
<removePermissionsOnProcessInstances name="leave"
    executor="HR staff">
    <permission name="permission.cancel_instance" />
</removePermissionsOnProcessInstances >
```