Automatic roles - adding role by node in structure

> This feature is available in extras module only!

> ⚠️ This feature will work only if you only set these two properties to **true**
>
> ```
> idm.sec.extras.processor.contract-position-set-eav-
> processor.enabled=true
> idm.sec.extras.processor.identity-contract-set-eavs-
> processor.enabled=true
> idm.sec.extras.processor.tree-node-update-eav-trees-
> processor.enabled=true
> ```

As we need to set some automatic roles by its place in the structure we will create two new form properties. In these properties will be held names of nodes where the contract is positioned or for the second property what are his parents. Follow this tutorial to set this feature up.

Preparation

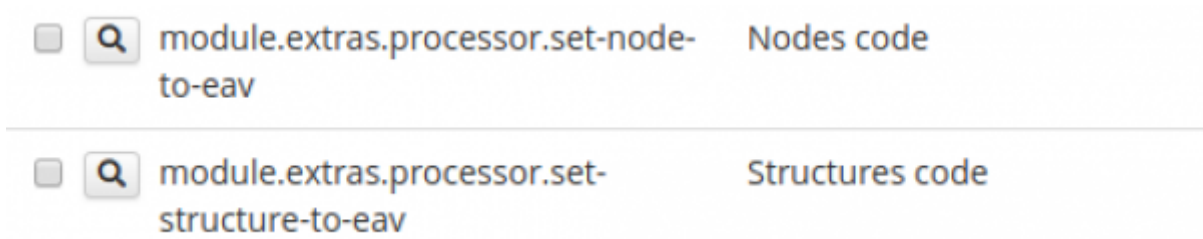These few steps are needed before we start using this feature

1) Extras module

Make sure that you have enabled Extras module. This feature is part of that module.

2) Configuration of names

Now we need to move to **Settings → Configuration** and there are these properties. Provide name by your choice. In the example below you can see these properties:

module.extras.processor.set-node-to-eav - to this property we write all nodes where contract is positioned

module.extras.processor.set-structure-to-eav - to this property, we write all nodes and their parents where the contract is positioned
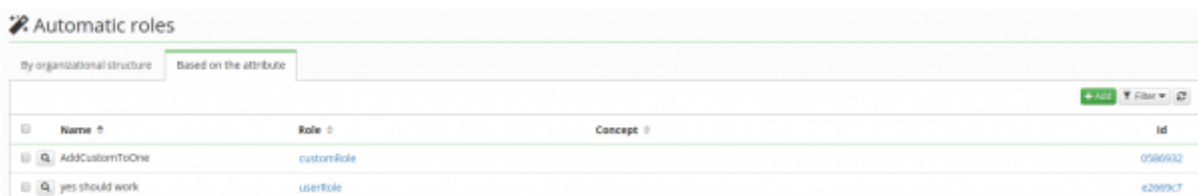

If some name is not filled then the feature won't be used!

3) Set automatic role

Now we need to set an automatic role. Move to Roles → Automatic roles → Based on the attribute. Now follow the pictures.

- Add new automatic role

- Choose the role

Create new request for automatic role ✕

Request for role

manager ✕ ▾

Close | Create request

- Fill the name

✎ Request for automatic role

Requested for role

🔑 Role	
Name	manager
Code	manager
Priority level	None (0)

Applicant

Administrator (admin)

Type of automatic role

Role by attribute

Name of automatic role

SomeExampleName

Requested change
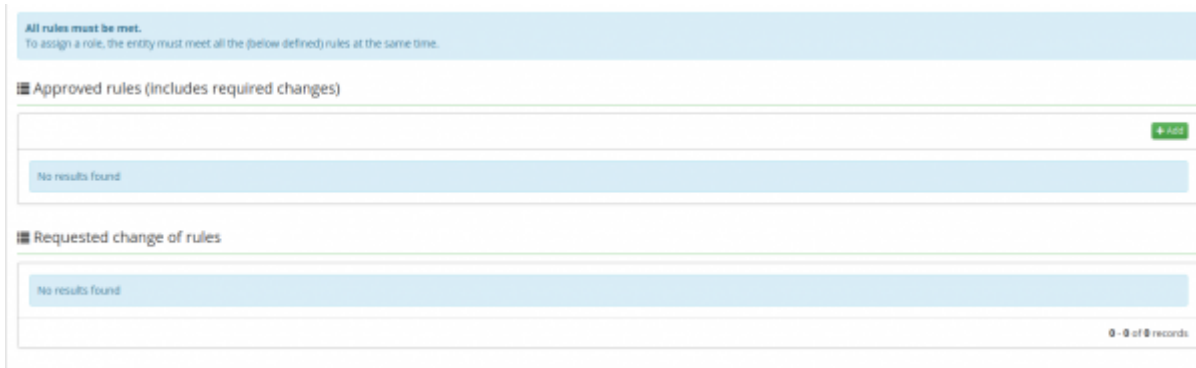
Add

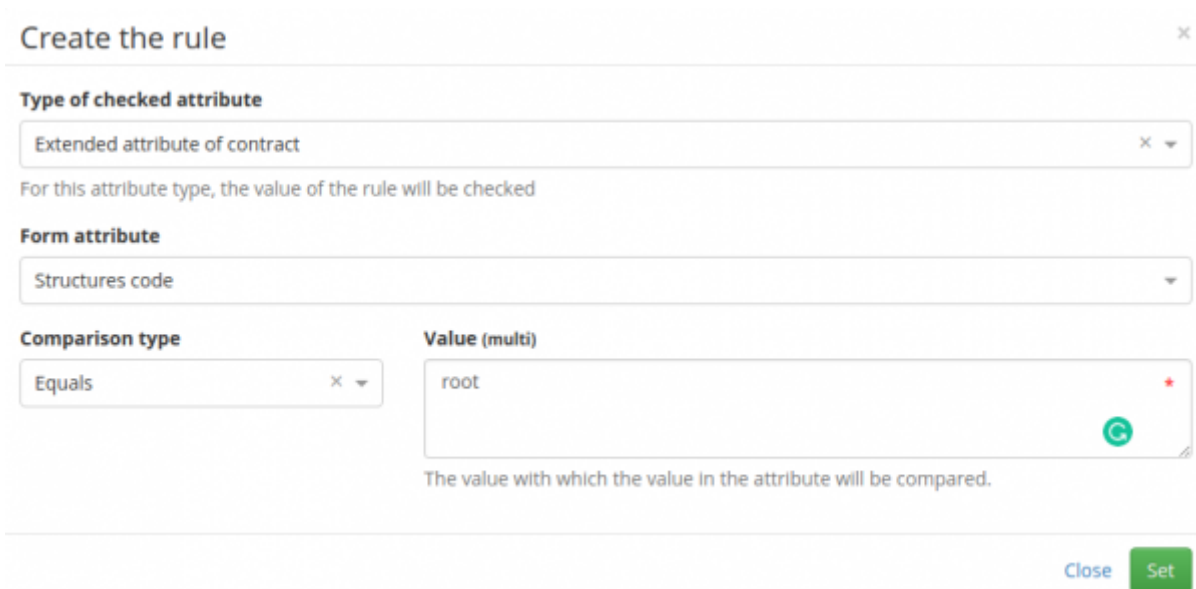**State**

Concept

☐ Without approval
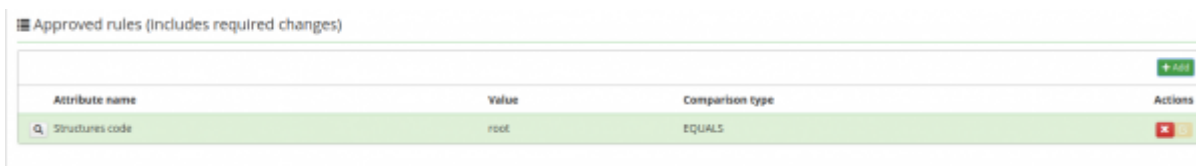
Description

Verbal description of a request

- Add rule

- Fill information - you can see that you need extended attribute of the contract. Then select your attribute name set in step 2. How equals is working? It is true if in this attribute is your name of the node.

- Now we have approved the rule and all is set up!

Turning off automatic role recalculation

In some cases it might be beneficial to disable automatic role recalculation for IdmIdentityContractDto entity events created by changing TreeNodes parent (see AbstractSaveContractsExecutor). This can be done by setting the configuration property

```
idm.sec.extras.save-treenodes.skip-recalculation=true
```

Note that in order for this to work properly, you need to schedule ProcessAllAutomaticRoleByAttributeTaskExecutor after tree node sync which will ensure that

automatic roles will be recalculated. Also, keep in mind that this won't work for manual tree node parent change or any other change of tree nodes parent for that matter. For this reason, it is recommended to use this only in environments, where tree node structure is synchronized and is never manually altered.

From:
<https://wiki.czechidm.com/> - **IdStory Identity Manager**

Permanent link:
<https://wiki.czechidm.com/tutorial/adm/automatic-roles-structure-and-attribute>

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