

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.

Modules (backend)		Modules (frontend)		Processors			
ID	Module name	Provider	Version	Build	Description	Documentation	Actions
vs	CzechidM Virtual system	BCV solutions s.r.o.	9.5.0-SNAPSHOT	e527cca 24.04.2019 12:23:14	Virtual system module for CzechidM. Provides system connector for connect CzechidM systems. Virtual systems are used in situations, when connector operations (create/update/delete accounts) have to be realized manually. Basically virtual system for every active connector operation creates task for realizer (admin of real system).	Api Html Result codes	Deactivate
core	CzechidM Core Impl	BCV solutions s.r.o.	9.5.0-SNAPSHOT	e527cca 24.04.2019 12:24:18	Core services implementations, entities, rest endpoint implementations	Api Html Result codes	
example	CzechidM Module Example	BCV solutions s.r.o.	9.5.0-SNAPSHOT	e527cca 24.04.2019 12:23:24	CzechidM Module Example / Skeleton. Contains module descriptor, flyway, swagger configuration etc. Can be used as new module template.	Api Html Result codes	Activate
extras	CzechidM Module Extras	BCV solutions s.r.o.	1.1.0-SNAPSHOT	2480b77 24.04.2019 12:22:54	CzechidM Module Extras.	Api Html Result codes	Deactivate
acc	CzechidM Acc	BCV solutions s.r.o.	9.5.0-SNAPSHOT	e527cca 24.04.2019 12:22:38	CzechidM Account Management	Api Html Result codes	Deactivate
rpt	CzechidM Report Impl	BCV solutions s.r.o.	9.5.0-SNAPSHOT	e527cca 24.04.2019 12:23:06	Provide abstract implementations for creating reports. Expose endpoints for generating and managing reports.	Api Html Result codes	Deactivate
ic	CzechidM IC	BCV solutions s.r.o.	9.5.0-SNAPSHOT		CzechidM Module IC - Identity Connector Framework. It reuse load, configuration, call all available connectors. Supported more IC (first is Connected).	Result codes	

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:

<input type="checkbox"/>		module.extras.processor.set-node-to-eav	Nodes code
<input type="checkbox"/>		module.extras.processor.set-structure-to-eav	Structures code

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

Automatic roles

By organisational structure

Based on the attribute

+ Add

Filter

2

Name	Role	Concept	Id
AddCustomToOne	customRole		0586932
yes should work	userRole		62999C7

- 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

All rules must be met.
To assign a role, the entity must meet all the (below defined) rules at the same time.

Approved rules (includes required changes)

No results found

Requested change of rules

No results found

0 of 0 records

- 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.

Create the rule

Type of checked attribute
Extended attribute of contract

For this attribute type, the value of the rule will be checked

Form attribute
Structures code

Comparison type
Equals

Value (multi)
root

The value with which the value in the attribute will be compared.

Close Set

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

Approved rules (includes required changes)

Attribute name	Value	Comparison type	Actions
Structures code	root	EQUALS	

Turning off automatic role recalculation

In some cases it might be beneficial to disable automatic role recalculation for `IdmIdentityContractDto` entity events created by changing `TreeNode`s 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.

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