

# Tree structures - Working with a structure and its nodes

The basic overview of tree structures in other words organizations in CzechIdM can be found in the main tab **Organizations** in the left menu. There is a graph that represents the organizational structure. And there is also a table with the users placed into the structure. If the node from the tree structure is clicked on, the filter is prepared and the table shows only users belonging under the selected tree node.

**Organizational structure**

Structure + Users Structure elements

Create user Filter Cancel filter Filter

Username, surname, name, e-mail or note Assigned role Recursively by tree structure down

Interní obory (11000) Enabled

Login	Surname	First name	E-mail	Inactive	Note
Adam Novák	Novák	Adam	an@nemocnice.cz	<input type="checkbox"/>	
admin	Administrator			<input type="checkbox"/>	
cirkval	Cirkva	Lukas		<input type="checkbox"/>	
gregorpe	Petr	Gregor	petr.gregor@nemocnicexxx.cz	<input type="checkbox"/>	
Lřihová	Řihová	Lenka		<input type="checkbox"/>	
PetrM	Mtušk	Petr	petrm@hnhh.cz	<input type="checkbox"/>	
xpales	Roman		ales.xrp@gmail.com	<input type="checkbox"/>	
xpromano1	Roman	Aleš		<input type="checkbox"/>	
xptomas	Dušánek	Tomáš		<input type="checkbox"/>	

1 - 9 of 9 records

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The filter works on the same principal as the one in the tab of the basic menu [Users](#). The next available tab is “Structure elements” which is used for listing, editing or creating structure elements, e.g. adding a new clinic or department to a hospital structure.

**Organizational structure**

Structure Users Structure elements

Structure

- Karviná
- Plzeň (1)
- Třetí patro
- Plzeň
- Sesterna
- Vzorová nemocnice (45)
  - Chirurgické obory (3)
  - Interní obory (34)

Code / Name

Interní obory (11000)

Recursively by tree structure down

Code	Name	Superior element	Inactive
12420	Ambulance pro dětská respirační onemocnění		<input type="checkbox"/>
11100	Centrum primární péče		<input type="checkbox"/>
11200	Centrum pro cévní přístupy		<input type="checkbox"/>
11300	Denní sanatorium		<input type="checkbox"/>
11400	Dermatovenerologická klinika		<input type="checkbox"/>
12330	Dětská endokrinologie, diabetologie a obezitologie		<input type="checkbox"/>
12360	Dětská gastroenterologie		<input type="checkbox"/>
12390	Dětská hematologie		<input type="checkbox"/>
12370	Dětská kardiologie		<input type="checkbox"/>
12380	Dětská lipidologie		<input type="checkbox"/>

Page 1 of 4

1 - 10 of 34 records  
Number of records 10

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If the organization from the tree structure is clicked on, the filter is prepared and the table shows only tree structure nodes belonging under the selected node.



If the tree node structure A is selected in the graph, the table does not contain the node A. It shows all nodes in levels below it

## Creating an organization

**New element**

**Structure type**

Organization structure (ORGANIZATIONS)

**Code** **Name**

**Superior element**

Select or type to search ...

☐ Inactive

[Back](#) [Save and continue](#)

In the tab **Organizations**, select the subtab structure elements and proceed by clicking the green button **Add**. Alternatively, **Settings** → **Tree structures** → **Elements** can be used. Next, fill in the basic information about the Organization (Tree element):

- **Structure type** – this denotes which tree the organization belongs to. CzechIdM allows defining more than one tree structure. For example, to sort the user by organization placement in one instance and by locations in another, you can create 2 trees. The user can be placed in more trees at the same time. CzechIdM also allows creating one Tree type with many top nodes (roots). This principal is preferred if you want to see the two organization at the same time in the graph.
- **Code** – this denotes the unique item identifier in the tree. The code is unique within one structure type.
- **Name** – this denotes the displayed name in the GUI of CzechIdM – e.g. in the tab “Organizations”. It must be unique under common parent tree node.
- **Superior element** – this denotes a link of the given element to the tree. If the superior element is not filled in, then a creating one is a new root of the tree structure. There can be more roots defined in every structure type.
- **Inactive** – this describes whether the organization element is valid. It is only a descriptive attribute.

## Automatic roles

Automatic roles can be defined either in **Organizations → Organization detail → Automatic roles** or in **Roles → Role detail → Automatic roles**. [Read more](#).

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