

# Notification - the end of identity's last contract



This notification is a part of the [Extras module](#).

The LRT LastContractEndNotificationTask sends an email notification to holders of a specified role and optionally the manager of a contract that a user's last contract is ending, i. e., the user is leaving. The recipients of the notification can be modified in the LRT setup and the notification template can be modified as well.

There are two different notifications this LRT can send:

1. notification sent a specified number of days before the end of identity's last contract
2. notification sent the day that identity's last contract ends

Each notification can use a different notification template (and must use a different topic).

This tutorial describes how to prepare this notification.

## Prepare templates

The visual part of the notification can be configured since standard templates are used. Extras comes with two basic stub templates which can be used here.

To set it up, go the left panel, choose Notifications>Templates. Look for templates 'ContractEndInFuture' and 'ContractEndNow'. If you see them, you can edit them by clicking the magnifying glass if you want (see below).

The screenshot shows the 'czechidm' web interface. On the left is a sidebar menu with options: Dashboard, Tasks, Users, Organization, Roles, Systems, Virtual systems, Reports, Audit, Notifications (selected), Notifications history, E-mails history, SMS history, Templates, Configuration, Settings, and Collapse menu. The main content area is titled 'Template' and features a search bar with the text 'contract'. Below the search bar is a table with the following data:

<input type="checkbox"/>	Code	Name	Subject	System template
<input type="checkbox"/>	ContractEndInFuture	Contract end in future	IdM - Uživatelé \$user bude v následujících dnech ukončen PPV	<input type="checkbox"/>
<input type="checkbox"/>	ContractEndNow	Contract end now	IdM - Uživatelé \$user bude dnes ukončen PPV	<input type="checkbox"/>

At the bottom of the interface, there is a footer with the text: 'BCV solutions s.r.o. | Help | ServiceDesk | About app'.

If you don't see them, you will have to create them from the xml files with corresponding names. They

Template

Code

ContractEndNow \*

Name

Contract end now \*

Parameters

user, department, ppvEnd, manager

List of template parameters. Parameters separate by comma.

Sender address

Subject

IDM - Uživatelé \$!user bude dnes ukončen PPV \*

☒ System template

System templates are necessary for correct functioning application. System templates can't be removed or change their code.

Message body (text)

Message body (html)

<html>  
  <body>  
    Dobrý den,<br />  
    <br />  
    zaměstnanec \$!user odchází k dnešnímu dni \$!ppvEnd (konec pracovního poměru) z oddělení \$!department.<br />  
    <br />  
    Přejeme Vám pěkný den.<br />  
    <br />  
  <div style="display: block; margin: 30px auto; max-width: 400px; text-align: center;">  
    CzechIDM © 2019&nosp;BCY Solutions s.r.o.&nosp;  
  </div>  
</body>  
</html>

- user's full name (first name, last name, login, e. g., "Petra Šťastná, pstasna", String only)

- user's department from tree node (String only)
- the date of the end of the user's contract (String only)
- user's manager (full IdmIdentityDto)

## Configure topics

Next, we have to define the topics for the notification. In the left panel, click Notifications>Configuration and search topics extras:contractEnd and extras:contractEndInXDays.

The screenshot shows the 'Notifications configuration' page. On the left is a sidebar menu with options: Dashboard, Tasks, Users, Organization, Roles, Systems, Virtual systems, Reports, Audit, Notifications (selected), Notifications history, E-mails history, SMS history, Templates, Configuration (selected), Settings, and Collapse menu. The main panel is titled 'Notifications configuration' and contains a search bar with 'extras:contract' entered, a 'Level' dropdown, and a 'Channel' dropdown. Below the search bar is a table with columns: Topic, Level, Channel, Template, Recipients, Redirect, and Inactive. The table contains two rows: 'extras:contractEnd' and 'extras:contractEndInXDays'. At the bottom of the table, it says '1 - 2 of 2 records'.

Topic	Level	Channel	Template	Recipients	Redirect	Inactive
extras:contractEnd	info	email	Contract end now		<input type="checkbox"/>	<input type="checkbox"/>
extras:contractEndInXDays	info	email	Contract end in future		<input type="checkbox"/>	<input type="checkbox"/>

If you don't find them, click the green button Add and fill them out as shown below:

## extras:contractEndInXDays item configuration details

### Topic

extras:contractEndInXDays

### Level

INFO

### Channel

email

### Template

Contract end in future

### Description

Contract end in x days notification

### Recipients

Additional notification will be sent to configured recipients. Recipients are required, if notification is redirected.

☐ Redirect

Notification will be redirected to configured recipients. Notification to original recipient will be not sent.

☐ Inactive

Notifications will not be sent.

Close

Save

extras:contractEnd

item configuration details

Topic

extras:contractEnd

Level

INFO

Channel

email

Template

Contract end now

Description

Contract end notification

Recipients

Additional notification will be sent to configured recipients. Recipients are required, if notification is redirected.

☐ Redirect

Notification will be redirected to configured recipients. Notification to original recipient will be not sent.

☐ Inactive

Notifications will not be sent.

Close

Save

You can specify additional recipients of the notification in the topic description.

## Set up the Long running task (LRT)

Finally, we can set up the LRT. In the left menu, go to Settings>Task scheduler>Scheduled tasks and click the green button Add. Select the task type LastContractEndNotificationTask and specify the configuration of the LRT.

## Create task ×

### Task type

 LastContractEndNotificationTask ▼

Task which will send notification X days before end of the last contract. It is recommended to run for the first time without sending emails.

### Description

Task which will send notification X days before end of the last contract. It is recommended to run for the first time without sending emails.

### Instance

idm-primary ★

Execute on server (Instance Identifier)

## Task parameters

### How many days before the end of the contract should the notification be sent

14

### Recipient role of notification

Choose role which will be notified... ▼



- ☐ Should the manager of the contract receive the notification?
- ☐ Should the owner of the contract receive the notification?
- ☒ Should the notification be sent when the user is manually disabled?

### User specified topic for notification (can be empty)

Close

Save

You can specify how many days before the contract's end the notification should be sent. If you set it to 0 the notification will be sent the day the contract ends and the extras:contractEnd topic will be used. If you write a positive integer x (1, 2, ...) the notification will be sent x days before the contract ends and the extras:contractEndInXDays topic will be used.



The notification is sent x days before the end of the contract or sooner. This is useful if for some reason the LRT did not run one day, it will simply be sent the next day.

You can select the role that the recipients of the notification will have assigned. You can only select one so if you need multiple ones, you have define multiple LRTs.

And finally, you can check the box and select whether the user's manager is to be notified as well. Only one manager will receive the notification!

## Run the long running task (LRT)

The last thing remaining is to run the LRT using the green arrow button. You can user CRON to plan when the LRT should be run.



I highly recommend you turn off sending emails before the first run which will send notification about the end of all contracts in x days.



Each entity will only be processed once by the LRT. If the notification about the end of a contract was sent before, the same LRT will not send it again. This is true even if the contract's validity changes (e. g., if the contract is extended after the notification is sent, it will not be sent again.)

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

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