

# Status task - How to prepare the task

## What is it?

CzechIdMStatusNotificationTask is a task which checks some major areas of CzechIdM and then sends to users or others (via email).

## Preparation



This task is part of the module **extras**. You need to have this module.

### 1) Enable module extras

- **Settings → Modules**
- Activate the module by clicking on the green button in the right side of the page in **extras** row.

extras	CzechidM Module Extras	BCV solutions s.r.o.	1.1.0- SNAPSHOT	1faa679 10.07.2019 14:01:33	CzechidM Module Extras.	
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2) Later in this tutorial, you will choose identities to notify. Make sure, that they have email filled out if you want them to be notified by email.

- **Users → select user** → fill the **email** column

### 3) Set up emails which will be notified too

- Go to **Notifications → Configuration**
- Here find **extras:status** as topic

<input type="checkbox"/> example:example	console	
<input type="checkbox"/> extras:status	email	Send status about CzechidM (extras)
<input type="checkbox"/> rpt:reportGenerateFailed	email	Send notification, after report generation failed (rpt)

- Edit in left (a sign of magnifying glass)
- Add your emails to the Recipients field as shown in the picture and save

extras:status

Item configuration details

✕

Topic

extras:status

Level

INFO

✕

Channel

email

✕

Template

Send status about CzechIDM (extras)

✕

Description

Status notification

Recipients

marek@klement.cz, klementmarek96@gmail.com

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

Now we are prepared, let's create the task.

## Create and run task

1) Go to setting → Task Scheduler → Scheduled tasks

Scheduler

Running tasks

Scheduled tasks

All tasks

+ Add

<input type="checkbox"/>	Task type	Description	Instance	Task parameters	Scheduled starts	Actions	Id
<input type="checkbox"/>	Delete executed entity events (DeleteExecutedEventTaskExecutor)	Delete executed entity events.	Idm-primary	Number of days:3	<div>+ Add</div>	<div> </div>	2054e33
<input type="checkbox"/>	Delete archived provisioning operations (DeleteProvisioningArchiveTaskExecutor)	Delete EXECUTED archived provisioning operation.	Idm-primary	Operation state:EXECUTED Number of days:90	<div>+ Add</div>	<div> </div>	6d1553c
<input type="checkbox"/>	HrContractExclusionProcess	Default	Idm-primary		<div>+ Add</div>	<div> </div>	d30da38
<input type="checkbox"/>	HrEnableContractProcess	Start of contract's	Idm-primary		<div>+ Add</div>	<div> </div>	6b7ae4d

2) As shown in the picture, click to the green **Add** button in the right corner of the screen.

3) Type in **CzechIdMStatusNotificationTask** and other attributes of the form will pop up.

## Create task ✕

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**Task type**

CzechIdMStatusNotificationTask ✕ ▼

Send status notification

**Description**

Send status notification ✎

**Instance**

idm-primary ★

Execute on server (instance identifier)

**Task parameters**

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**Send provisioning status**

Yes ✕ ▼

**Send contract status**

Yes ✕ ▼

**Send event status**

Yes ✕ ▼

**Send LRT status**

Yes ✕ ▼

**Send sync status**

Yes ✕ ▼

**Recipient identities**

kopr, admin

Close Save

4) Here is a quick reminder, what each of the attributes means.

- **Send provisioning status** - check and send failed provisioning operations
- **Send contract status** - check and send all new contracts
- **Send event status** - check and send failed events
- **Send LRT status** - check and send failed long-running tasks
- **Send sync status** - check and send failed sync operations
- **Recipient identities** - list of usernames of identities, to which notification will be sent - need to be divided by comma

5) Click save and then in the right of this row click **Play** button.

And it is done. Now you can check if you received the email.



Template of this task's notification has been modified in version 2.1.0 and in LTS version of module **extras**. You should redeploy notification template **statusNotification**.



If there are multiple errors during CzechIdMStatusNotificationTask, just the last one is send to notification template. The rest can be found in application log

## Notification content

In status notification there are information about state of processes in CzechIdM. In CzechIdM there are asynchronous processes on many places. Advantage is that users do not have to wait for events, which are executed on the background. But on the other side users does not know the result of processes. This notification contains state of some vital agendas.

1. First of all there is **provisioning status**. This status is important because of end systems. If some entity will be provisioned to end system and this process ends with failure, every other continuous provisioning to this system will be added to an queue. So it is important know, that some identity has not have failed provisioning and it's attributes are updated in end system.
2. Some **scheduled tasks** are not that important, but all of them has its purpose, so it is better if all of them did their job. Scheduled tasks are used as synchronizaton of data from HR or recalculation of states of identities (throught the night) or for sending email like this notification.
3. **Events** basically means asynchronous save process. In IdM almost every entity has asynchronous save. So if during save process there is some failure, it means some data has been lost. So if someone or synchronization edited an entity and it failed, notification will tell you, you should check this agenda.
4. In **synchronization status** part there is list of failed synchronizations by system. It only write if there is some failures and not how many. It could be for example mistake or incomplete HR data or some mistake in workflow.
5. In the last part there is list of **users**, whoose **state has been changed**. So it is kinda report. It will show you who of the employees has left, who is new employee and changes of exclusion.

Example of notification:

## Status CzechIdM:

Operace obsahují chyby

dobu v provozu: 86 dní

### Status provisioningu:

#### Systém users db

- Chybné: 2
  - springe
  - john
- Blokované:
- Neprovedené: 1
  - springe

### Status naplánovaných úloh:

eu.bcvolutions.idm.acc.scheduler.task.impl.RetryProvisioningTaskExecutor

- Upozornění:
- Nezdařené:
- Výsledek: CANCELED

### Status událostí:

- s výjimkou: 3
  - jane
  - novak
- Neprovedené: 1
  - john
- Blokované:

### Status synchronizací:

- Systém HR - Uživatelé
  - Synchronizace **Nové nástupy**: obsahuje chybu!!
  - Synchronizace **Denní rekonciliace**: obsahuje chybu!!
- Systém HR - Organizace
  - Synchronizace **Aktualizace názvů organizací**: obsahuje chybu!!

### Přehled nástupů a odchodů:

Uživatelské jméno	Personální číslo	Jméno	Příjmení	Stav	Datum změny
john	1244	John	Doe	nástup	14. 01. 2020 14:11:30
jane	1245	Jane	Doe	nástup	14. 01. 2020 14:11:30
novak	1255	Jan	Novák	nástup	14. 01. 2020 14:11:31
john.doe	106	John	Doe	odchod	14. 01. 2020 16:22:47
jan.novy	107	Jan	Nový	vynětí	15. 01. 2020 09:14:34
test001		Test	User	nástup	15. 01. 2020 09:26:29
zbynek.jahoda	108	Zbyněk	Jahoda	vynětí	15. 01. 2020 09:14:19

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