

Modules - Certificates: - Scheduled tasks and notifications

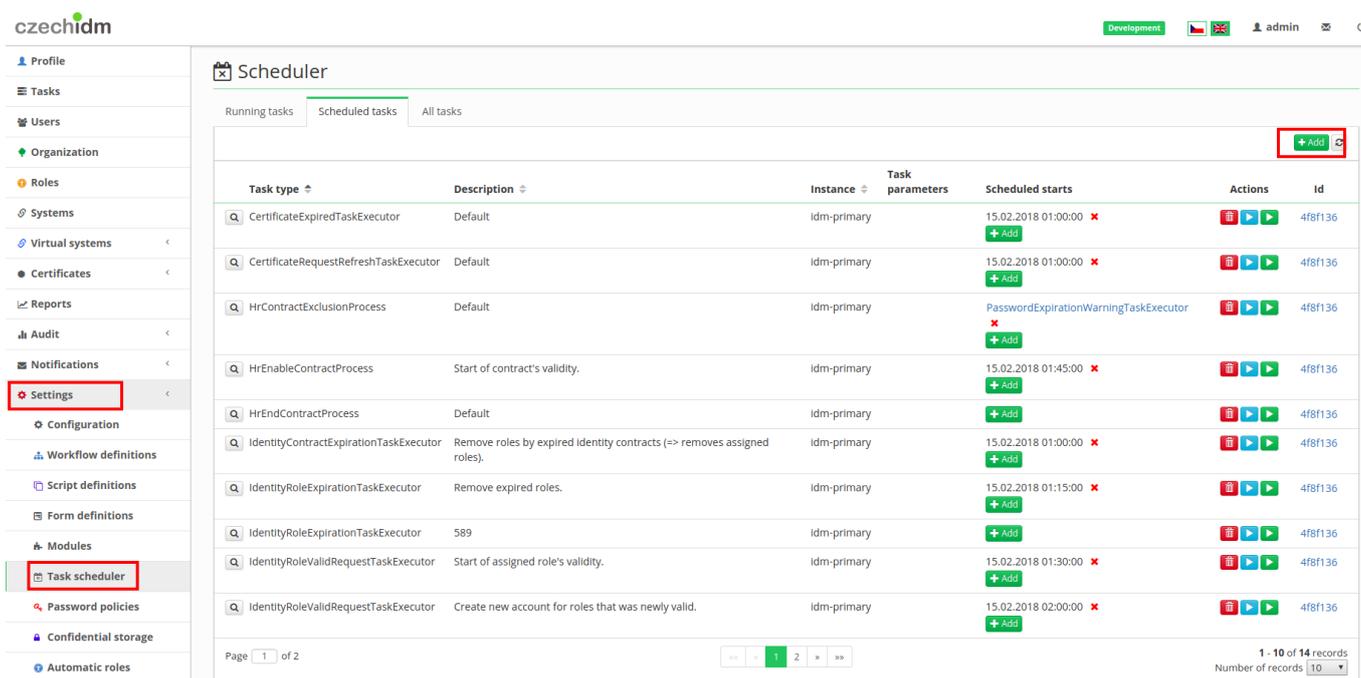
In this tutorial, we will create a new scheduled task. This scheduled task will send a notification when certificates will be a few days before expiring.

What do you need before you start

- You need install **CzechIdM 7.7.0** (and higher).
- You need be logged in as **admin**.
- You need enable **Certificate** module.

Create scheduled task

In the left menu select **Settings** and then **Task scheduler**. And click on **Add** button.



In a popup window choose **CertificateExpirationWarningOwnerTaskExecutor** and fill in a number of days before a certificate will expire you want to receive notification, in our tutorial it is 3. (There is another scheduled task **CertificateExpirationWarningAdminTaskExecutor**, which is similar, just notification is sent to users with role defined in scheduled task.)

Create task ✕

Task type

CertificateExpirationWarningOwnerTaskExecutor✕ ▼

Description

Sends warning notifications before certificate expires to certificate owner.

Instance

idm-primary★

Execute on server (instance identifier)

Task parameters

days before

3

Close Save

As you can see in the following picture, there is now new scheduled task with a parameter of **3 days before**. In column **Action** there is a green button "play" and by clicking on it, the scheduled task will start. (If you want to start this task automatically, look in tutorial about [triggers](#).)

Scheduler

Running tasks | **Scheduled tasks** | All tasks + Add ↻

Task type	Description	Instance	Task parameters	Scheduled starts	Actions	Id
🔍 CertificateExpirationWarningOwnerTaskExecutor	Sends warning notifications before certificate expires to certificate owner.	idm-primary	days before: 3	+ Add	🗑️ ▶️ ▶️	4f8f136
🔍 CertificateExpiredTaskExecutor	Default	idm-primary		15.02.2018 01:00:00 ✕ + Add	🗑️ ▶️ ▶️	4f8f136
🔍 CertificateRequestRefreshTaskExecutor	Default	idm-primary		15.02.2018 01:00:00 ✕ + Add	🗑️ ▶️ ▶️	4f8f136

Scheduled task will send a notification to the owner of the certificate when certificate would expire in 3 days.

Recipients

Administrator (admin)

Message (html)

Message (rendered html)

Dobrý den,
platnost vašeho certifikátu na systému CzechIdM se blíží ke konci, do vypršení zbývá méně než **3** dní.

Typ certifikátu: **AUTHENTICATION**
Sériové číslo: **AAACCC0002BC97B5C754C1BFE9C994BD**
Certifikační autorita: **CN=John Doe, OU=Doe, O=John, L=Atlantis, ST=Venus, C=CZ**
Platnost do: **16.02.2018 01:00**

Před vypršením platnosti můžete certifikát obnovit zde: <http://localhost:3000/#/identity/admin/certificates>.

S pozdravem BCV Solutions s.r.o.

Hello,
your certificate on CzechIdM system is near to expire, less than **3** days left.

Certificate type: **AUTHENTICATION**
Serial number: **AAACCC0002BC97B5C754C1BFE9C994BD**
Certificate authority: **CN=John Doe, OU=Doe, O=John, L=Atlantis, ST=Venus, C=CZ**
Valid till: **16.02.2018 01:00**

You can renew your certificate before expiration here: <http://localhost:3000/#/identity/admin/certificates>.

Regards BCV Solutions Ltd.

Congratulations, now your certificates will never expire.

Notification configuration

In this part of tutorial, there are mentioned a few certificate notifications, which can be easily configured. The configuration of these notifications is in the left menu **Settings**→**Configuration**.

Configured notification topics (email by default):

- **certificateExpiredOwner** - When a certificate is expired, notification is sent to certificate owner.
 - Can be disabled by property `idm.sec.crt.processor.certificate-expired-notification-owner-processor.enabled=false`.
- **certificateExpiredAdmin** - When a certificate is expired, notification is sent to certificate admin.
 - Certificate admins are identities with role configured by property `idm.sec.crt.processor.certificate-expired-notification-admin-processor.adminRole`. When no identity is found, then notification isn't sent.
 - Can be disabled by property `idm.sec.crt.processor.certificate-expired-notification-admin-processor.enabled=false`.
- **certificateRevokedOwner** - When a certificate is revoked, notification is sent to certificate owner.
 - Can be disabled by property `idm.sec.crt.processor.certificate-revoked-notification-owner-processor.enabled=false`.
- **certificateRevokedAdmin** - When a certificate is revoked, notification is sent to certificate

admin.

- Certificate admins are identities with role configured by property `idm.sec.crt.processor.certificate-revoked-notification-admin-processor.adminRole`. When no identity is found, then notification isn't sent.
- Can be disabled by property `idm.sec.crt.processor.certificate-revoked-notification-admin-processor.enabled=false`.
- **certificateCreatedOwner** - When a certificate is created, notification is sent to certificate owner.
 - Can be disabled by property `idm.sec.crt.processor.certificate-created-notification-owner-processor.enabled=false`.
- **certificateCreatedAdmin** - When a certificate is created, notification is sent to certificate admin.
 - Certificate admins are identities with role configured by property `idm.sec.crt.processor.certificate-created-notification-admin-processor.adminRole`. When no identity is found, then notification isn't sent.
 - Can be disabled by property `idm.sec.crt.processor.certificate-created-notification-admin-processor.enabled=false`.
- **requestApproved** - When a certificate request is approved, notification is sent to certificate owner.
- **requestDisapproved** - When a certificate request is disapproved, notification is sent to certificate owner.
- **certificateCreatedPasswordOwner** - notification with new password generates or filled during creating certificate.

Each topic has a template with the same name with Crt prefix in module resources.

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

Permanent link:
https://wiki.czechidm.com/tutorial/adm/modules crt_lrt_notification?rev=1548942620

Last update: **2019/01/31 13:50**

