



for Microsoft

Upgrade Manual **OnTime® for Microsoft version 3.0.x**

Upgrading from version 1.1.x and newer

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OnTime® for Microsoft

Upgrade Manual

The main audience for this manual is Microsoft administrators with proper experience in Windows Server and Exchange on premise / Office 365 administration. It is therefore expected that the reader of this manual is no stranger to the Microsoft environment.

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Upgrading OnTime for Microsoft

Upgrading of OnTime from earlier versions preserves users and admin settings. At this time upgrading is possible from the versions OnTime MS 1.1.x and newer.

The main tasks necessary to do in order to upgrade an OnTime for MS installation from a previous release:

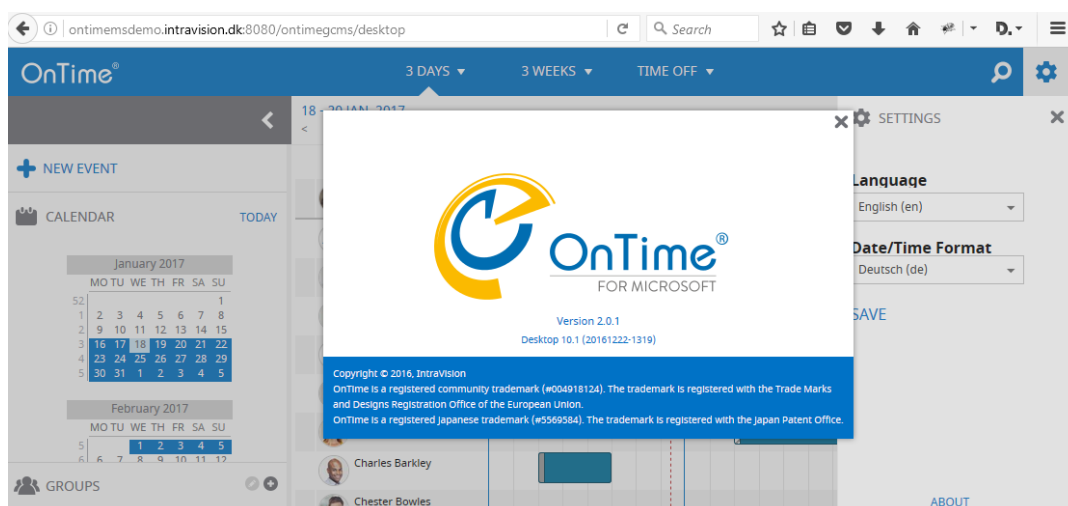
- Upgrade the OnTime Windows services and 'Apache Tomcat for OnTime'
- Upgrade the OnTime database, this upgrade process is dependent on your installation of the SQL server, **quick** or **custom** upgrade.

The '**quick** upgrade' is with an SQL Server installed on the same server as the rest of the OnTime application. An additional prerequisite is that the 'Database Name' and 'Username' fields are blank in the 'OnTime Admin Center's Database section'.

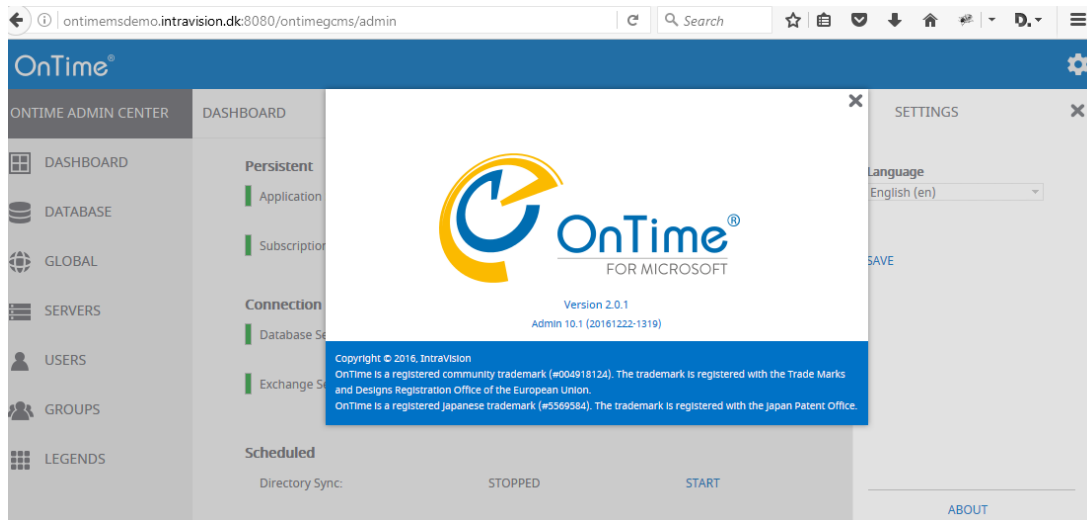
The '**custom** upgrade' is with more details where the SQL Server is installed differently, or even external to the OnTime server.

Please check your current OnTime version – and make a note of it:

In the OnTime client Web Desktop – Settings/About



Alternatively, in the Admin client - Settings/About



Quick upgrade

This process requires that the MS SQL Server is installed locally, on the same server as the rest of OnTime and the database name and username fields are blank (integrated Security=true;)

At the OnTime server - extract the new OnTimeMS-x.x.zip file.
Move the OnTimeMS.x.x folder to 'C:\Program Files\IntraVision\' - the recommended path. The 'x's reflects the current version release.

C:\Program Files\IntraVision\OnTimeMS-x.x

Name	Date modified	Type	Size
admintoken	15-01-2019 11:24	File folder	
apache-tomcat-8.5.34-otd	15-01-2019 11:24	File folder	
cmd	15-01-2019 11:24	File folder	
flyway	15-01-2019 11:24	File folder	
jdk1.8.0_172-otd	15-01-2019 11:24	File folder	
ontime.ms.acs-1.1.0.1	10-01-2019 15:05	File folder	
ontime.ms.auth-11.1	10-01-2019 15:05	File folder	
ontime.ms.urlforwarder-11.2	10-01-2019 15:05	File folder	
outlook-add-in	10-01-2019 15:06	File folder	
pollarity	10-01-2019 15:05	File folder	
programdata	15-01-2019 11:25	File folder	
sqlserver-express-2016-advanced	10-01-2019 15:05	File folder	
teams	15-01-2019 11:25	File folder	
upgrade	10-01-2019 15:26	File folder	
command.cmd	18-12-2018 10:54	Windows Comma...	1 KB
install.cmd	18-12-2018 10:54	Windows Comma...	1 KB
Office365TomcatRestart.zip	10-01-2019 15:06	Compressed (zipp...	12 KB
start-pollarity.cmd	18-12-2018 10:54	Windows Comma...	1 KB
stop-pollarity.cmd	18-12-2018 10:54	Windows Comma...	1 KB
uninstall.cmd	18-12-2018 10:54	Windows Comma...	1 KB

Note: If the URL forwarder has been customized
 – then check here: [URL forwarder **checkup**](#).

In the File Explorer – change the path to the old version of OnTime, jump to the folder:

C:\Program Files\IntraVision\OnTimeMS-x.x

Run the command ‘**uninstall.cmd**’ as administrator.

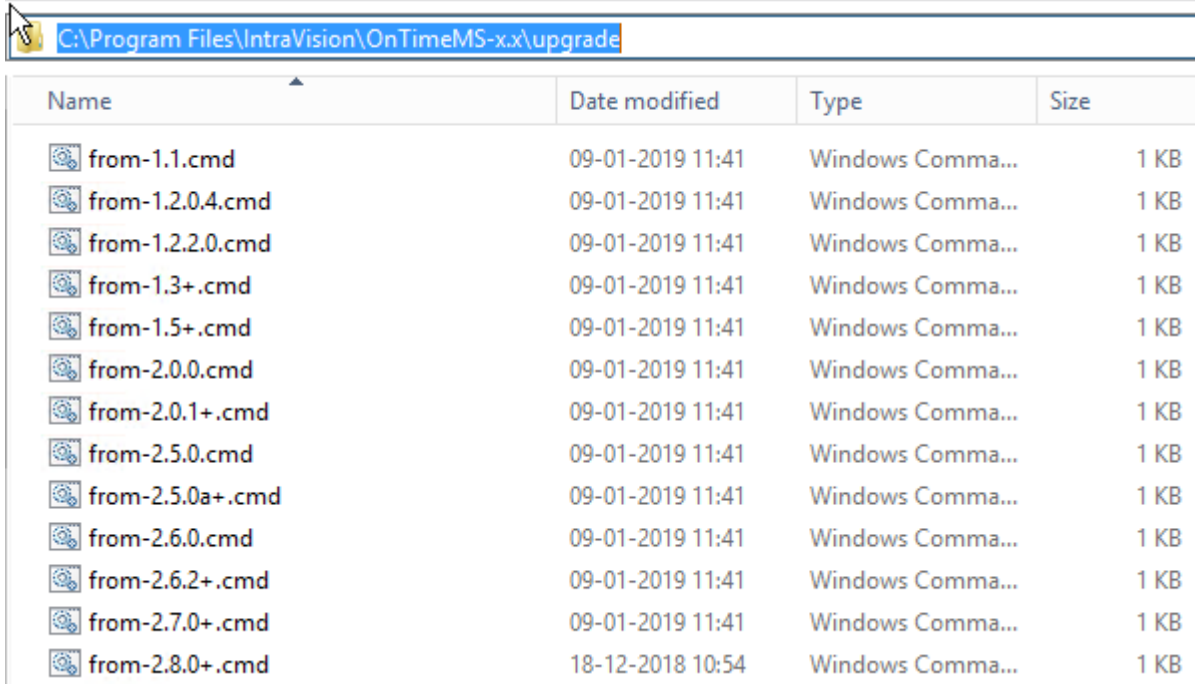
Jump to the new version














Jump to the ‘upgrade’ folder:

C:\Program Files\IntraVision\OnTimeMS-x.x\upgrade\

According to your noted version of MS OnTime

- Right click on a file that matches your current version, and run it as administrator.
 If your version is 2.0.2 or 2.0.3, choose 2.0.1+.cmd



Name	Date modified	Type	Size
 from-1.1.cmd	09-01-2019 11:41	Windows Comma...	1 KB
 from-1.2.0.4.cmd	09-01-2019 11:41	Windows Comma...	1 KB
 from-1.2.2.0.cmd	09-01-2019 11:41	Windows Comma...	1 KB
 from-1.3+.cmd	09-01-2019 11:41	Windows Comma...	1 KB
 from-1.5+.cmd	09-01-2019 11:41	Windows Comma...	1 KB
 from-2.0.0.cmd	09-01-2019 11:41	Windows Comma...	1 KB
 from-2.0.1+.cmd	09-01-2019 11:41	Windows Comma...	1 KB
 from-2.5.0.cmd	09-01-2019 11:41	Windows Comma...	1 KB
 from-2.5.0a+.cmd	09-01-2019 11:41	Windows Comma...	1 KB
 from-2.6.0.cmd	09-01-2019 11:41	Windows Comma...	1 KB
 from-2.6.2+.cmd	09-01-2019 11:41	Windows Comma...	1 KB
 from-2.7.0+.cmd	09-01-2019 11:41	Windows Comma...	1 KB
 from-2.8.0+.cmd	18-12-2018 10:54	Windows Comma...	1 KB

Running this upgrade command will do the following:

- Upgrade the database if necessary
- Create Tables if necessary
- Transfer the data from your current version if necessary
- Enable Integrated Security for the database
- Install OnTime ACS Service and start it
- Install OnTime Auth Service and start it
- Install OnTime UrlForwarder Service and start it
- Install the Pollarity URL forwarder
- Install Tomcat Service for OnTime and start it
- Create a database for Pollarity
- Ask the question “Do you want to enable Pollarity? y/n”
- If you choose ‘y’ the Tomcat service for Pollarity will be started.

Note: Pollarity is an especially licenced feature.

In a browser open the OnTime Admin Center.

Example server address:

<http://ontime.example.com:8080/ontimegcms/admin>

In “OnTime Admin Center” click “Dashboard” to check the OnTime application.

Click ‘Start’ at the five Scheduled Synchronizations.

Issue: Database is not running. Review **Database Setup**

You are now ready to test the use of OnTime – jump to **Final test.**

Custom upgrade

This process is for an MS SQL Server installation that is different to the prerequisites mentioned in the section, **Quick upgrade**, where the SQL server is not situated on the OnTime server.

In the File Explorer – change the path to the old version of OnTime, jump to the folder:

C:\Program Files\IntraVision\OnTimeMS-x.x

Run the command **'uninstall.cmd'** as administrator.

Jump to the new version

In the File Explorer, move to the folder:

C:\Program Files\IntraVision\OnTimeMS-x.x\sqlserver-express-2016-advanced

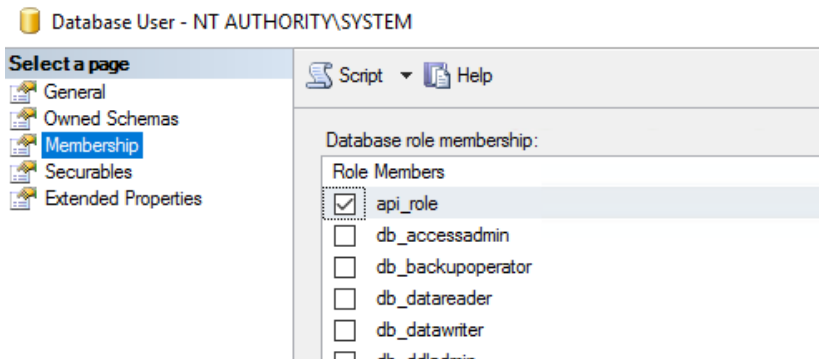
Where xx is the new version.

Name	Date modified	Type	Size
migrations	10-01-2019 15:05	File folder	
backup_db.sql	18-12-2018 10:54	Microsoft SQL Ser...	1 KB
onetime_script_for_renaming_ontimems...	18-12-2018 10:54	Microsoft SQL Ser...	1 KB
ontimems.sql	09-01-2019 15:46	Microsoft SQL Ser...	344 KB
ontimems-create.sql	18-12-2018 10:54	Microsoft SQL Ser...	1 KB
ontimems-upgrade.sql	18-12-2018 10:54	Microsoft SQL Ser...	1 KB
ontimems-user.sql	18-12-2018 10:54	Microsoft SQL Ser...	1 KB
refresh_usnchagned_and_exdir_change_k...	10-01-2019 10:49	Microsoft SQL Ser...	1 KB
restore_db.sql	18-12-2018 10:54	Microsoft SQL Ser...	1 KB
set_syslogin.sql	18-12-2018 10:54	Microsoft SQL Ser...	1 KB

1. Create a new OnTime database in your MS SQL Server
- the default database name in OnTime version 3.x is **'ontimems'**.
2. Create tables and schemas:
In C:\Program Files\IntraVision\OnTimeMS-x.x\sqlserver-express-2016-advanced\ open the sql-script, 'ontimems.sql' in SQL Server Management Studio - or a text editor – adapt the first line, for example: **USE [ontimems]**
- this database reference must be the same as the database name from the database you created.

Run the script 'ontimems.sql' to create tables and schemas.

3. Add the OnTime database user in the OnTime database:
ontimems/Security/Users/
4. Change the OnTime database users properties for the 'api_role'



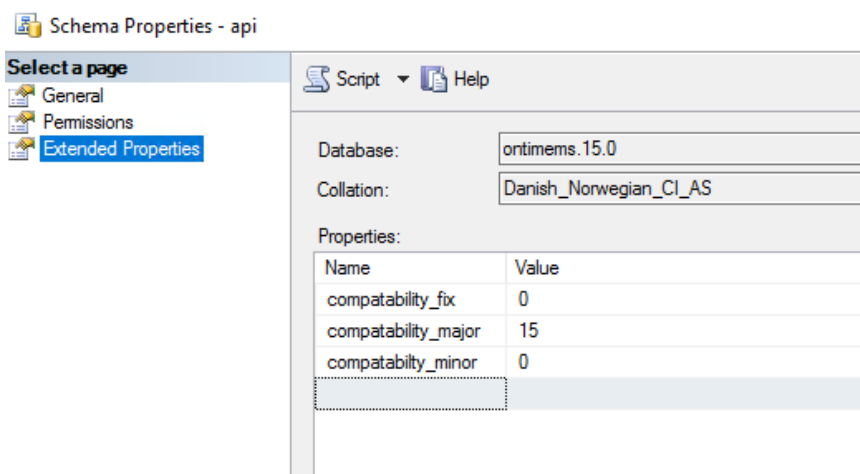
5. Open your current OnTime database, the one you are upgrading from.

If you are unsure of the OnTime database version, you may check the database's Extended properties of the 'api', at:

DatabaseName/Security/Schemas/api (Properties/Extended Properties).

Example:

Note the value of 'compatability_major' and 'compatability_minor'. These numbers reports the schema version of the database. In the illustration below we see the database version 15.0.



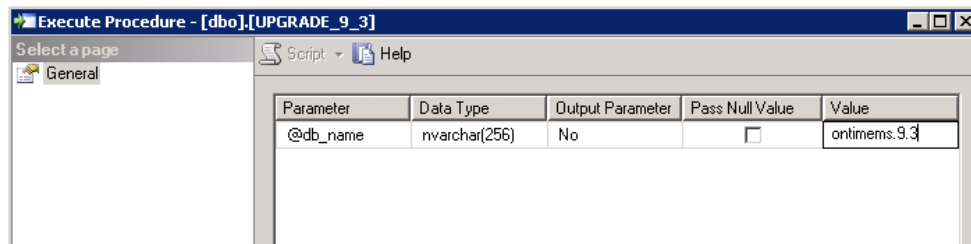
- Open the Stored procedures (below Programmability) in the new database. Several stored procedures for dbo.UPGRADE are available:

Example:

dbo.UPGRADE_9_3

Right-click the Stored Procedure relevant to your old database version and choose “Execute Stored Procedure”.

In the “Value” field enter the name of the old database and click “OK” to execute the database upgrade procedure.



The result “Return Value” of ‘0’ (zero) means success.

- Using Flyway

Open a command window as Administrator

Move to the folder C:\Program Files\IntraVision\OnTimeMS-x.x

Run this command if you are using integratedSecurity:

```
flyway\flyway.cmd -skipDefaultCallbacks=true -
url=jdbc:sqlserver://localhost:1433;databaseName=ontime-
custom;integratedSecurity=true migrate
```

This command if you are using a specific user:

```
flyway\flyway.cmd -skipDefaultCallbacks=true -
url=jdbc:sqlserver://localhost:1433;databaseName=ontime-custom-
user=OnTimeApp -password=xxxx migrate
All in one line
```

Reinstall OnTime services:

From the directory C:\Program Files\IntraVision\OnTimeMS-x.x\cmd run the following commands as Administrator:

```
> apache-tomcat-otd-install.cmd
```

```
> ontime.ms.urlforwarder-install.cmd
```

If you use Windows authentication

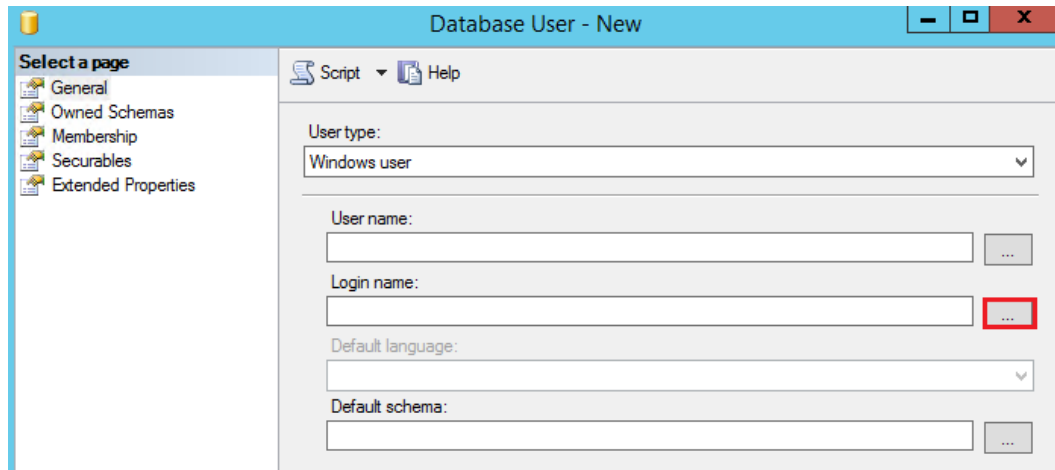
```
> ontime.ms.auth-install.cmd
```

Else ADFS SAML authentication

```
> ontime.ms.acs-install.cmd
```

The OnTime application user, local SQL Server

In the OnTime database's Security section, right click 'Users' and choose 'New User'. Click the button by 'Login name' and click 'Browse'



Among the possible 'Logins' select 'NT AUTHORITY\SYSTEM' as the OnTime application user in the OnTime database. Click 'OK'.

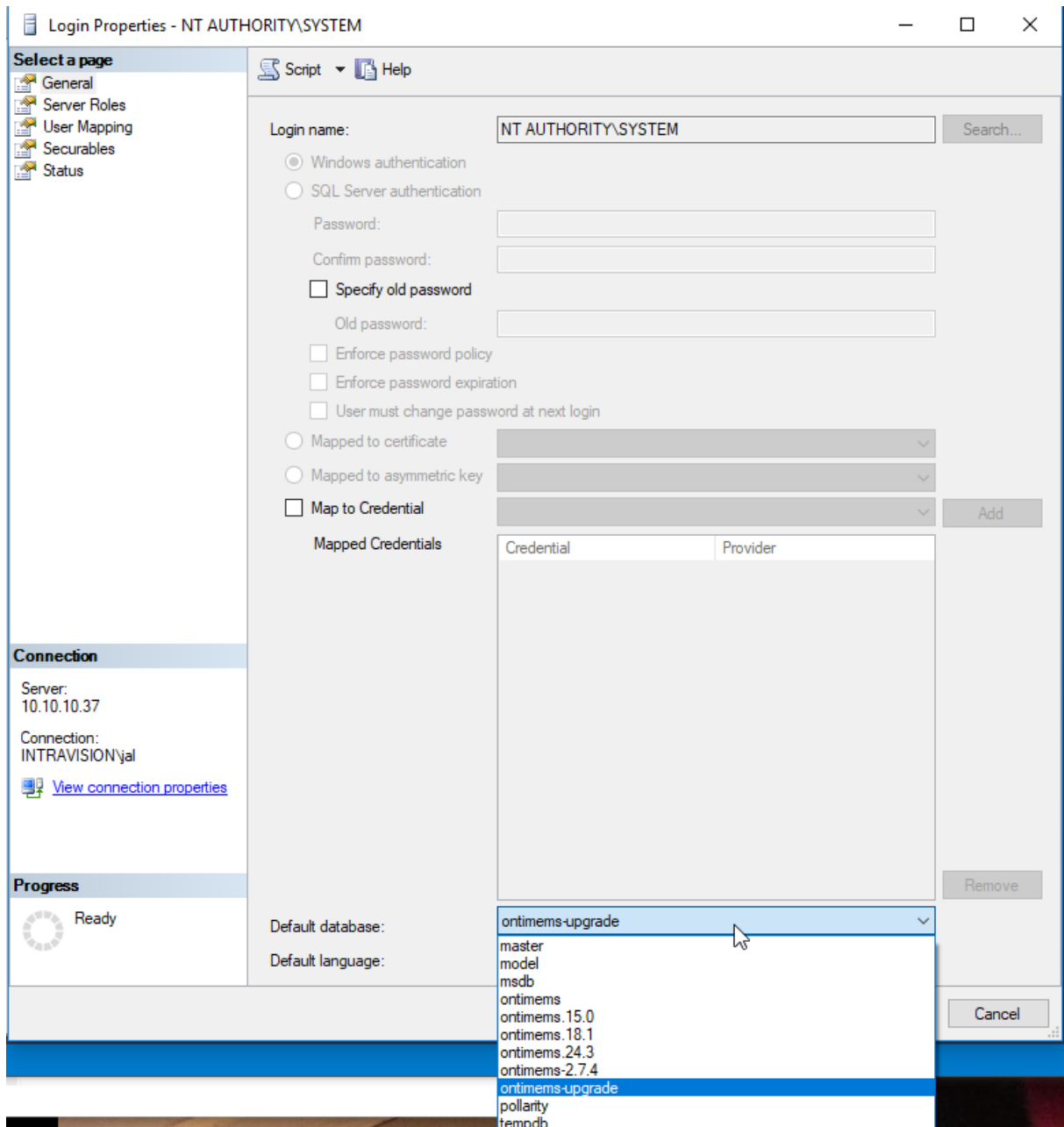
Additionally, add 'NT AUTHORITY\SYSTEM' to the 'User name' field.

Click 'OK'.

A configuration with the 'NT Authority USER' ensures that you may choose 'integratedSecurity=yes' in the database configuration.

In the SQL server's Security section dobbelt click on the NT-AUTHORITY\SYSTEM user

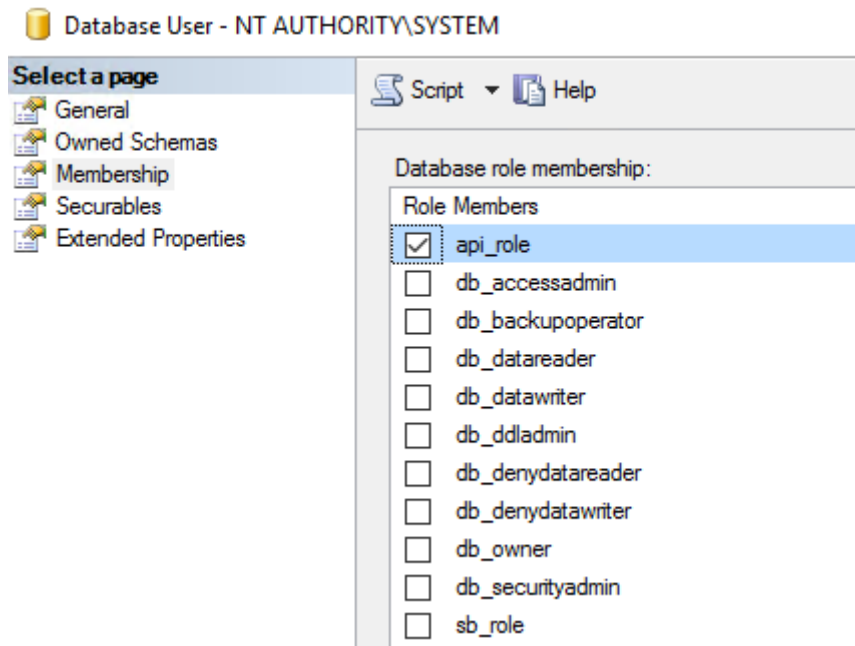
At the bottom of the box, change the 'Default database' to the name of your OnTime database. Click 'OK'.



The OnTime api_role

In the new database ontimems, expand Security/Users
- right click the OnTime application user, choose properties.
Select 'Membership' in the left hand navigation

- assign the api_role to the OnTime user



Click 'OK'.

Pollarity

If you are upgrading from OnTime version 2.7 and later, there is no change for the Pollarity database.

If you are upgrading from an OnTime version from before 2.7 you will have to install a database for Pollarity at your external SQL server.

Please refer to the documentation 'Installation & Configuration Guide, OnTime for Microsoft version 2.8.x – the section:

OnTime Installation/Custom installation/Pollarity.

URL forwarder checkup

If the URL forwarder has been customized – a quick check up is needed.

The file 'ontime.ms.urlforwarder.ini' is present in the folder -
C:\ProgramData\IntraVision\OnTime\Microsoft.

To protect your customization, please make a backup of the
'ontime.ms.urlforwarder.ini' file

The default version of 'ontime.ms.urlforwarder.ini' reflects the default parameters in
the service

```

;=THIS IS A COMMENT prepended by ;=
;=VERSION=11.2
;=Default settings ini file
;=%ProgramData%\IntraVision\OnTime\Microsoft\ontime.ms.urlforwarder.ini
;=Multiple values are represented by new lines
LISTEN_URL=http://+:80/ontimegcms/desktop
LISTEN_URL=http://+:80/ontimegcms/demo
LISTEN_URL=http://+:80/ontimegcms/demologin
LISTEN_URL=http://+:80/ontimegcms/outlook
LISTEN_URL=http://+:80/ontimegcms/mobile
LISTEN_URL=http://+:80/ontimegcms/profiles
LISTEN_URL=http://+:80/ontimegcms/community
LISTEN_URL=http://+:80/ontimegcms/code.html
LISTEN_URL=http://+:80/ontimegcms/opencall/teams/initapp
LISTEN_URL=http://+:80/ontimegcms/api/
LISTEN_URL=http://+:80/ontimegcms/tools/
LISTEN_URL=http://+:80/mailauth/
LISTEN_URL=http://+:80/tools/
LISTEN_URL=http://+:80/desktop/
LISTEN_URL=http://+:80/mobile/
LISTEN_URL=http://+:80/teams/
LISTEN_URL=http://+:80/connections/
LISTEN_URL=http://+:80/ontime/polarity
LISTEN_URL=http://+:80/poll-ms-backend/
LISTEN_URL=https://+:443/ontimegcms/desktop
LISTEN_URL=https://+:443/ontimegcms/demo
LISTEN_URL=https://+:443/ontimegcms/demologin
LISTEN_URL=https://+:443/ontimegcms/outlook
LISTEN_URL=https://+:443/ontimegcms/mobile
LISTEN_URL=https://+:443/ontimegcms/profiles
LISTEN_URL=https://+:443/ontimegcms/community
LISTEN_URL=https://+:443/ontimegcms/code.html
LISTEN_URL=https://+:443/ontimegcms/opencall/teams/initapp
LISTEN_URL=https://+:443/ontimegcms/api/
LISTEN_URL=https://+:443/ontimegcms/tools/
LISTEN_URL=https://+:443/mailauth/
LISTEN_URL=https://+:443/tools/
LISTEN_URL=https://+:443/desktop/
LISTEN_URL=https://+:443/mobile/
LISTEN_URL=https://+:443/teams/
LISTEN_URL=https://+:443/connections/
LISTEN_URL=https://+:443/ontime/polarity
LISTEN_URL=https://+:443/poll-ms-backend/
;=UPSTREAM_HOST=localhost
;=UPSTREAM_PORT=8080

```

To disable http (port 80), enter the ';=' characters in front of the 'http' lines
'LISTEN_URL=http' to disable 'http'.

Save the file and restart the service.

OnTime Admin Center

Open the administration URL –

Example:

<http://ontime.example.com:8080/ontimegcms/admin>

Administrator: admin (beware of casing, no capitals)

Password: Innovation (capital ‘i’)

Database Setup

Click ‘Database’.

For a local SQL Server, enter ‘localhost’ in the ‘Server’ field.

In the ‘Extra Parameters’ enter: ‘integratedSecurity=true;’ (trailing semicolon).

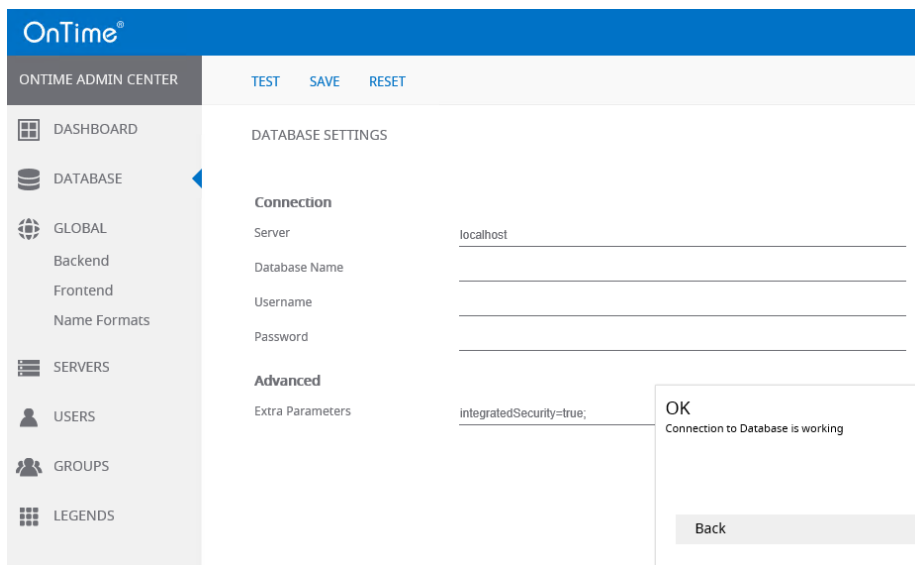
The OnTime database user will be ‘NT AUTHORITY\SYSTEM’.

Enter a hostname in the ‘Server’ field if you have an external SQL Server, Database name, Username and Password for the OnTime application user in the SQLserver, “OnTimeApp”.

Click “Test” in the upper right corner to test the database connection.

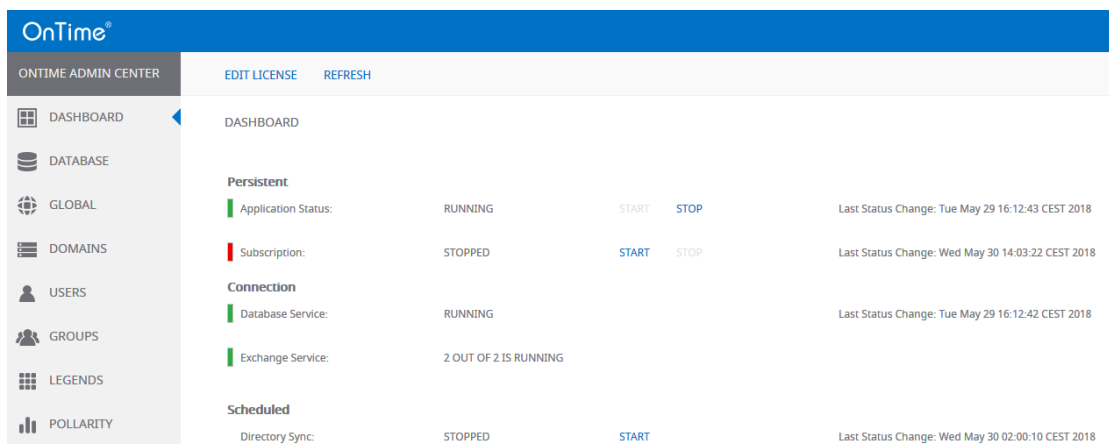
Upon the response “OK Connections to database is working” click “Back”.

Click Save.



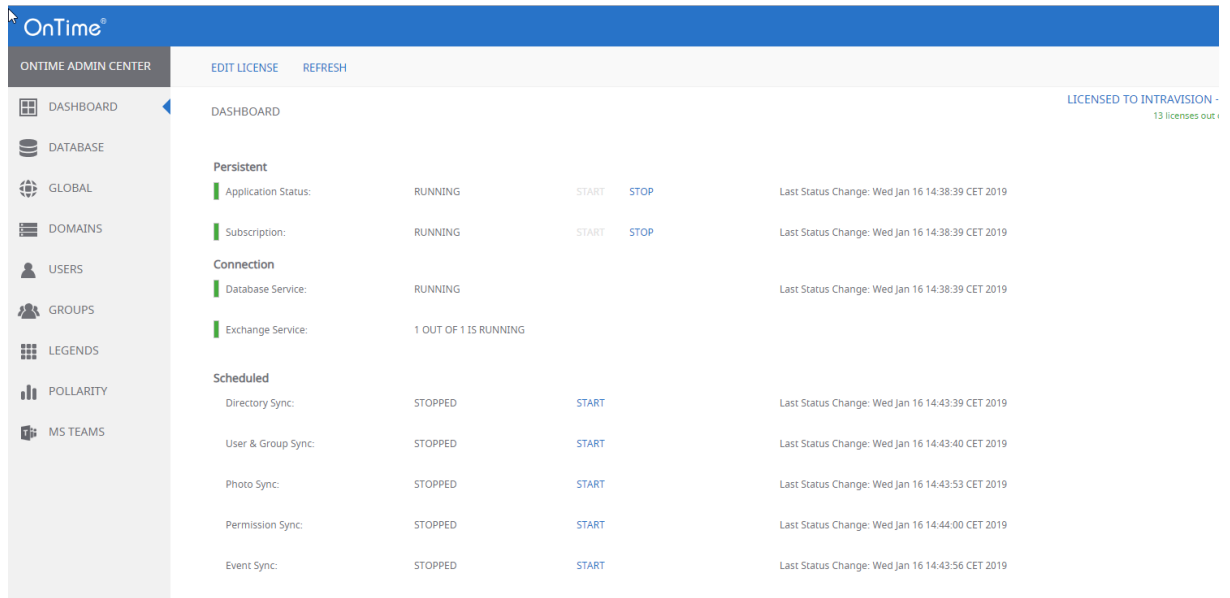
In “OnTime Admin Center” click “Dashboard”

Note: When you see the Connection/Database Service “Running” (green) press **F5** to refresh the whole web page from the new database.



Pick up the new version of OnTime

In “OnTime Admin Center” click “Dashboard”



Click ‘Stop’ and then ‘Start’ at ‘Application Status’.
 Click ‘Start’ at ‘Directory Sync’, this will in turn start ‘User & Group sync’.
 Click ‘Start’ at ‘Photo Sync’, ‘Permission Sync’ and ‘Event Sync’.

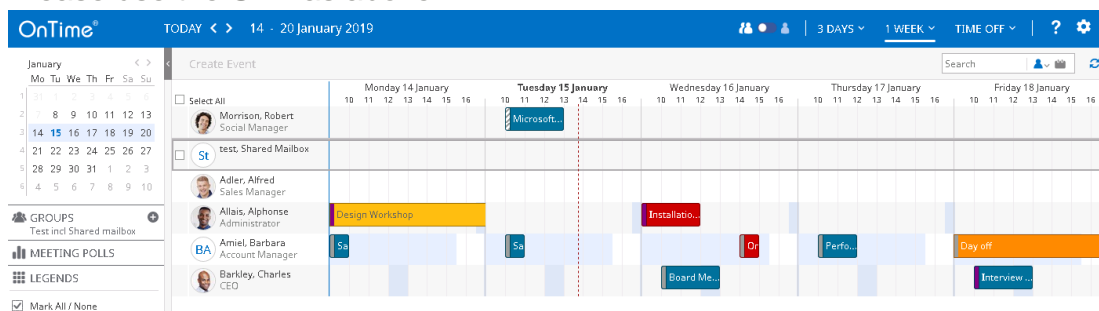
Final test

OnTime Client Web Desktop

<http://ontime.example.com/ontimegcms/desktop>

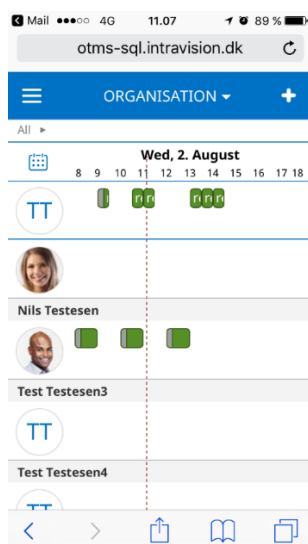
Note: User access through port 8080 is not supported with Pollarity.

Please use the URL as above.



OnTime Client Web Mobile

<http://ontime.example.com/ontimegcms/mobile>



All done :-)