

d.velop

d.ecs license server: Administrator

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1. d.ecs license server: Administrator

1.1. Introduction

1.1.1. About the d.ecs license server

The d.ecs license server is a central license server providing the license information for d.velop products over the network.

With a duplicate installation of the d.ecs license server this can be made highly [available](#).

An according license is required for operation.

1.1.2. Prerequisites

This manual explains the operation of the d.ecs license server and is targeted at administrators.

Basic knowledge of Microsoft Windows and especially of network administration and firewall operation is assumed.

Note

To operate the d.ecs license server in connection with ecspan, you require knowledge of Microsoft SharePoint Server 2013.

1.2. Installation / Setup

The d.es license server is also installed with the d.3 core installation.

The same applies for the installation of an update for d.3.

1.2.1. System requirements

Note

Detailed information on the product can be found in the current release notes.

These can be found in the [d.velop service portal](#).

Warning

Support is only granted for systems matching these requirements.

Supported operating systems:

- Google Chrome 62
- Safari 11 auf Mac OS
- Microsoft Windows Server 2016
- Microsoft Windows Server 2012 R2
- Microsoft Windows Server 2012
- Microsoft Windows Server 2008 R2

Note

For a correct operation of the d.ecs license server it is necessary that the times on the client-computers do not deviate significantly (more than 15 minutes) from the time on the server where the d.ecs license server is running.

The d.ecs license server also works with older d.3 versions from d.3 version 7.0.1. Thus, you can also use the program, if your productive and your test systems have different versions.

Note

On your productive system you have d.3 version 7.0.1 installed while your test system runs with d.3 version 7.1.1. In this case, you can use the d.ecs license server for both systems.

The user interface is displayed in browsers. The listed browsers are tested as part of the quality assurance at the time of the release.

For browser versions which have not been available at the time of the product release, we cannot guarantee the functionality. Please understand that d.velop AG can only grant support for the browsers listed here. However, if you can prove that the error also occurs in the listed browsers, we will obviously grant support as usual.

1.2.2. Installation

You install the software exclusively using d.velop software manager. If an application is required for different products, the corresponding software packages are also installed automatically.

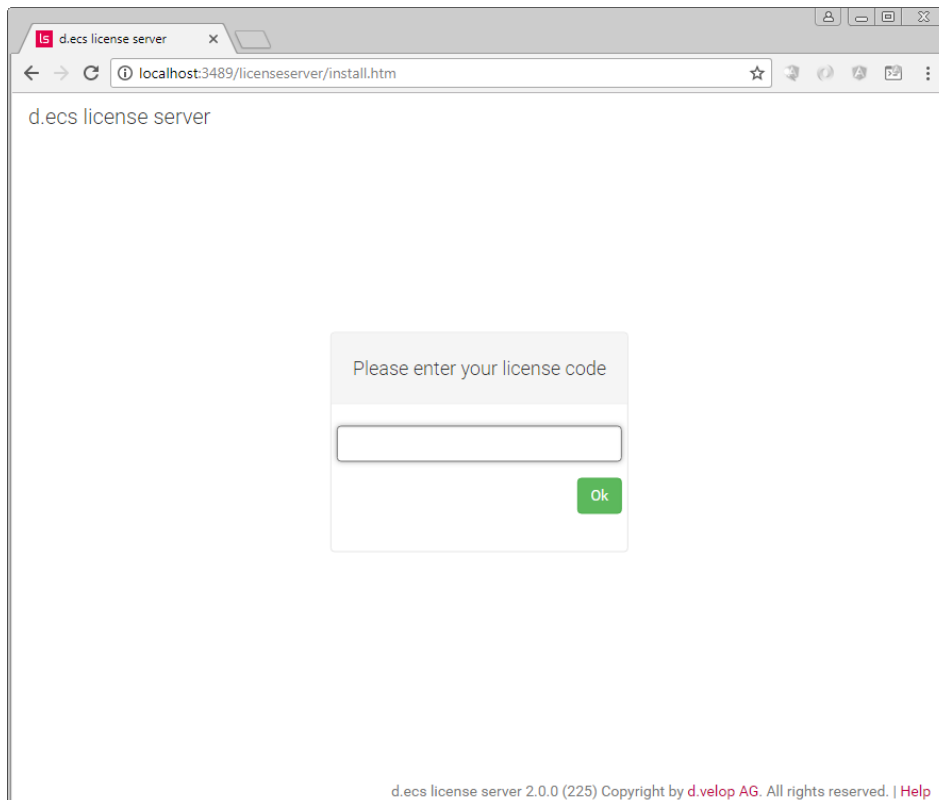
For further information on installing the software, see the d.velop software manager manual.

1.2.3. Add and activate a license

You must add a license first.

- Open the menu option **d.velop | d.ecs license server | d.ecs license server (HTTP)**.

This opens the browser with the following dialog:

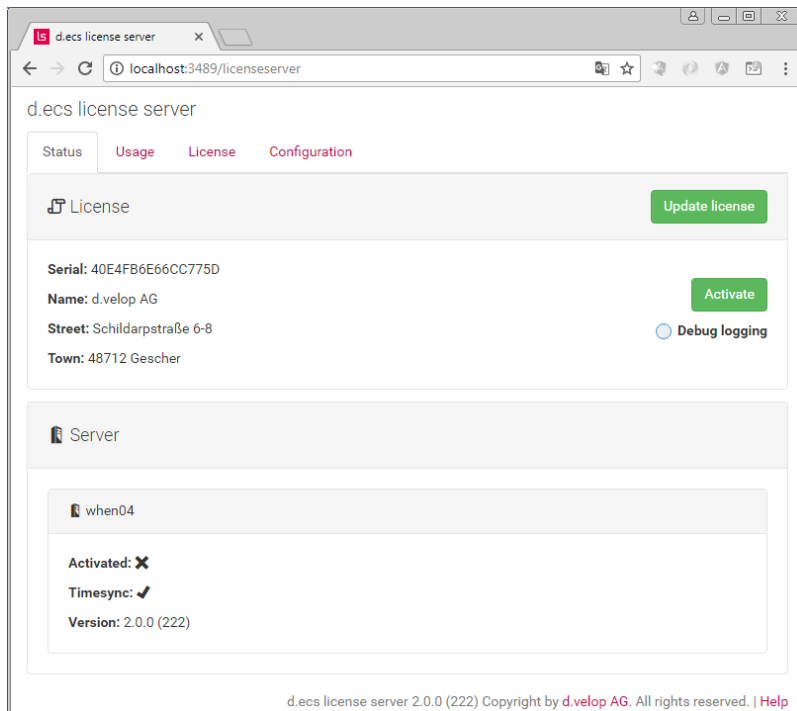


- Enter your license code in the input field and confirm with **OK**.

Note

Please note that the browser must have access to the Internet. If your server does not have Internet access, use a browser on a computer with Internet access, instead. You can access d.ecs license server under the following address: **https://<server name>:3589**.

Having entered the license code, this is checked and your license is downloaded from the server and is installed on your server. Afterwards, you are forwarded to the status page of the license server.



The d.ecs license server must be activated. Otherwise, products requiring the d.ecs license server will work in demo mode. Select **Activate** to enable d.ecs license server directly in the browser.

Note

The activation connects the serial number of the license to the machine. Another serial number can later not be activated any more.

Note

The activation of the license only has to be executed once/twice for all products by the d.velop AG.

The activation must be explicitly started. If the activation is not completed, then the license is activated once for 30 days. In any case, the serial number of the license is irreversibly bound to the machine.

You can contact the support of the d.velop AG for the activation at the following times: Monday to Friday between 08:00 h and 17:00 h (UTC+1) (except on German holidays).

Activation under d.3

Warning

To operate d.3, you require a license file `liccheck.lic`. This also applies to the d.3 demo operation.

For the productive operation the d.ecs license server must be restarted after activation. Else, the number of licenses is limited to 2 and d.3 operates in demo mode.

An activation is not required for the demo mode. If the license server is not activated, then the number of licenses is limited to 2. Any number of unactivated license servers may be operated (e.g. on demo notebooks).

1.3. Configuration

The license server is a Windows service with the file name `dlicsvc.exe`. The service manager displays it under the name **d.ecs license server**. This service uses the UDP port **3489** and the TCP port **3489**. You can only access the service remotely via HTTPS using port **3589**.

The service is typically installed automatically, but can also be installed or removed manually:

- `dlicsvc -install`
- `dlicsvc -uninstall`

The d.ecs license server is configured via the tab **Configuration** on the page of the d.ecs license server.

The screenshot shows the 'Configuration' tab of the 'd.ecs license server' web interface. The interface has a navigation bar with 'Status', 'Usage', 'License', 'Test', and 'Configuration' tabs. The 'Configuration' tab is active. The form is divided into three sections: 'Embedded account', 'DNS', and 'E-Mail'. The 'Embedded account' section has fields for 'Username' (pre-filled with 'admin'), 'Password', and 'Retype password'. The 'DNS' section has a 'Hostname' field (pre-filled with 'd-velop-license'). The 'E-Mail' section has fields for 'SMTP server hostname', 'SMTP server port' (pre-filled with '25'), 'Recipients (Comma separated)', 'Username', and 'Password'. At the bottom of the form are 'Save' and 'Send test email' buttons. The footer of the page reads 'd.ecs license server 2.0.0 (222) Copyright by d.velop AG. All rights reserved. | Help'.

First select an **Embedded account** there. This user name and the password are then required each time you access the site directly via remote login.

Warning

If possible, use ANSI-characters for the user name and the password since the encoding is undefined for an HTTP-login and not all browsers use UTF-8.

Under **DNS** you can change the host name of the d.ecs license server. As you will typically have only one d.ecs license server, you should keep the name **d-velop-license**. By default, the clients search the license server under the hostname **d-velop-license**. This should contain all IP-addresses where an activated license server is running. If you are operating multiple d.3 servers (e.g. test and productive), then your concurrent user licenses are centrally counted.

Note

The hostname `d-velop-license` must be entered in your DNS server. We do not recommend to use a different host name. However, if you want to use another host name for the operation of the d.ecs license server, then you must adjust or create the file `liccheck.ini`. For this effect the `liccheck.ini` must be located in the same directory as the file `liccheck.dll`.

Note

```
liccheck.ini-file  
  
[Server]  
  
Hostname=d3server
```

Warning

If no `liccheck.ini` file is found in the directory where the file `liccheck.dll` is located, the host name for the d.ecs license server is always assumed as **d-velop-license**.

Under **E-mail**, you can specify an SMTP server and one or more e-mail addresses to which the d.ecs license server sends a notification, if the licenses run low or before they expire.

Having configured all settings, click **Save** to save them and to restart the d.ecs license server.

After the restart, you can test the e-mail configuration with a click on **Send test email** and send a test e-mail to the specified recipient.

Note

If the d.ecs license server is executed on a server, where the remaining d.ecs infrastructure is installed, you can also access the user interface of the d.ecs license server via d.3one under the tile **Configuration** or via the d.ecs monitor. The currently logged in user must be an administrator for this effect.

1.3.1. Configuration under d.3

If the [host name](#) of the d.ecs license server is changed and a `liccheck.ini`-file is required, then the `liccheck.ini`-file must be copied to the `d3server.prg`-directory to operate d.3.

A `dllicsvc.ini` can be created in the application directory in which you can specify a deviating host name for the access to the license server.

The default is **d-velop-license**. You can specify another name as described below:

```
[DSN]
```

```
Hostname=<Other hostname>
```

If this name cannot be automatically entered in the DSN, then this must be done manually on the DNS-server.

Furthermore, a file `liccheck.ini` must be created on the clients (such as d.3 server), which also contains the new name.

This allows to operate multiple license servers with different licenses in the same network.

1.3.2. Configuration under ecspand

You must configure the d.ecs license server in the SharePoint Central Administration as follows.

- Open the Central Administration.
- Select the section **ecspand** with the menu option **Licensing settings**.



ecspand Management

Zentraladministration

- Anwendungsverwaltung
- Systemeinstellungen
- Überwachung
- Sichern und Wiederherstellen
- Sicherheit
- Upgrade und Migration
- Allgemeine Anwendungseinstellungen
- Apps
- Office 365
- ecspand**
- Nintex Workflow Verwaltung
- Nintex Forms-Verwaltung
- Nintex Live-Verwaltung
- Konfigurations-Assistenten



ecspand

- [Aktivierung und Setup](#) | [Log-Einstellungen](#) | [Lizenzierungs-Einstellungen](#) | [Konfigurations-Assistent \(ECM-Templates\)](#) | [Konfigurations-Assistent \(ecspand Workflows\)](#) | [Datenbank-Konfiguration](#) | [Suchdienst-Konfiguration](#) | [Job Service \(Archivierung\)](#) | [Crawler-Konfiguration](#) | [Job Service \(Rendition\)](#)



Websiteinfo

Website-U

http://ecs2

URL der m

http://ecs2

ecspand V

3.1.0.0

SharePoint

15.0.4719.1

Lizenzinfor

Produkt:

Lizenziert f

Lizenzanzal

Gültig:

Gültig bis:

- In the **Licensing settings**, enter a primary host and test the connection.

Lizenzierungs-Einstellungen ⓘ

Primärer Host

Der Hostname des Systems, auf dem der primäre d.velop license server läuft. Bitte beachten Sie, dass auf dem entsprechenden System der UDP Port 3489 nicht geblockt werden darf.

Primärer Host

 ✓

Sekundärer Host

(optional) Der Hostname des Systems, auf dem der sekundäre d.velop license server läuft. Das sekundäre System kann genutzt werden, um die Verfügbarkeit zu erhöhen, falls das primäre System nicht antworten sollte. Bitte beachten Sie, dass auf dem entsprechenden System der UDP Port 3489 nicht geblockt werden darf.

Sekundärer Host

Optionally, you can also specify a secondary host. Here, too, you should test the connection.

Lizenzierungs-Einstellungen ⓘ

Primärer Host

Der Hostname des Systems, auf dem der primäre d.velop license server läuft. Bitte beachten Sie, dass auf dem entsprechenden System der UDP Port 3489 nicht geblockt werden darf.

Primärer Host

Sekundärer Host

(optional) Der Hostname des Systems, auf dem der sekundäre d.velop license server läuft. Das sekundäre System kann genutzt werden, um die Verfügbarkeit zu erhöhen, falls das primäre System nicht antworten sollte. Bitte beachten Sie, dass auf dem entsprechenden System der UDP Port 3489 nicht geblockt werden darf.

Sekundärer Host

 ✓

- Confirm the configuration with **OK**.

Note

Currently, only hostnames are supported. A UDP package is delivered to every accessible IPv4-IP of the host (IPv6 is currently not supported by the license server). This means that only the primary host is required if you already entered two hosts via a DNS entry.

Note

As can be derived from the description on the page, the SharePoint server must be able to reach the host under the UDP port **3489**. A random port is selected on the SharePoint server-side for sending and receiving the packages. This means, the firewall must be configured to allow packets with the target host UDP port **3489**. Furthermore, UDP-package from the license server must be allowed.

If the license server is not (correctly) configured, you see a respective message on the page **ecspand Settings** and on the **Central Administration | ecspand**:



Websiteinformationen

Website-URL:

<http://ecs2013/sites/customers/>

URL der mobilen Website:

<http://ecs2013/sites/customers/?Mobile=1>

ecspand Version:

3.1.0.0

SharePoint Version:

15.0.4719.1000

Lizenzinformationen



Der Lizenzserver ist nicht erreichbar. Bitte überprüfen Sie die Verbindungsdaten.

1.3.3. High-availability and configuration of a cluster

When using a Windows-cluster the following information must be observed:

- Install the d.ecs license server on both cluster nodes.
- Activate the d.ecs license server on both cluster nodes.
- If the DNS name **d-velop-license** was not automatically generated in the DNS server, create it and enter the IPs of the two cluster nodes there.

Note

The d.ecs license server service must not be configured as a Windows cluster resource!

1.3.4. E-mail notification

If the e-mail notification is configured on the tab **Configuration**, the d.ecs license server sends e-mails in the following situations:

- For a annual volume license, an e-mail is only sent, if 85% of it have been used. Then, additional e-mails are sent in 5%-steps.
- A license is used up. A note is sent that this license can then be overbooked for 30 days.
- A license is nearing the expiry date or the end of the overbooking expiry date. An e-mail is sent 10, 5, 2 and 1 days before the expiry.

1.4. Monitoring

d.ecs license server includes a browser interface which is accessible directly under **http://<server name>:3489** remotely via the URL **https://<server name>:3589**. If you want to access the interface remotely, you must configure an ID in the configuration.

If the d.ecs license server is executed on a server also containing d.3one or belonging to a d.3one cluster, this user interface is also accessible via d.3one. For this effect, the logged in user must be a member of the administrator group configured in the d.ecs identity provider.

In d.3one, the d.ecs license server can either be found under the configuration tile or under the d.ecs monitor. In the configuration, it is displayed a not configured until an embedded account is specified and the e-mail notification was configured.

Note

More many actions in the user interface, it is necessary that the browser has access to the server of the d.velop AG. If your server does not have access to the Internet, you can only perform these actions, if you access this user interface from a remote machine with Internet access.

If you select an action in the user interface that sends information from your license server to the server of the d.velop AG, an alert is displayed for confirmation before the information is sent. The file sent here do not contain any names (host names or user names) retrieved by the d.ecs license server. Only the usage quantities of license keys and an expiry date configured in the d.ecs license server may be transmitted together with data on the selected action.

1.4.1. Note on the operation under d.3**Warning**

To operate d.3, you require a license file `liccheck.lic`. This also applies to the d.3 demo operation. For the productive operation the d.ecs license server must be restarted after activation. Else, the number of licenses is limited to 2 and d.3 operates in demo mode.

An activation is not required for the demo mode. If the license server is not activated, then the number of licenses is limited to 2. Any number of unactivated license servers may be operated (e.g. on demo notebooks).

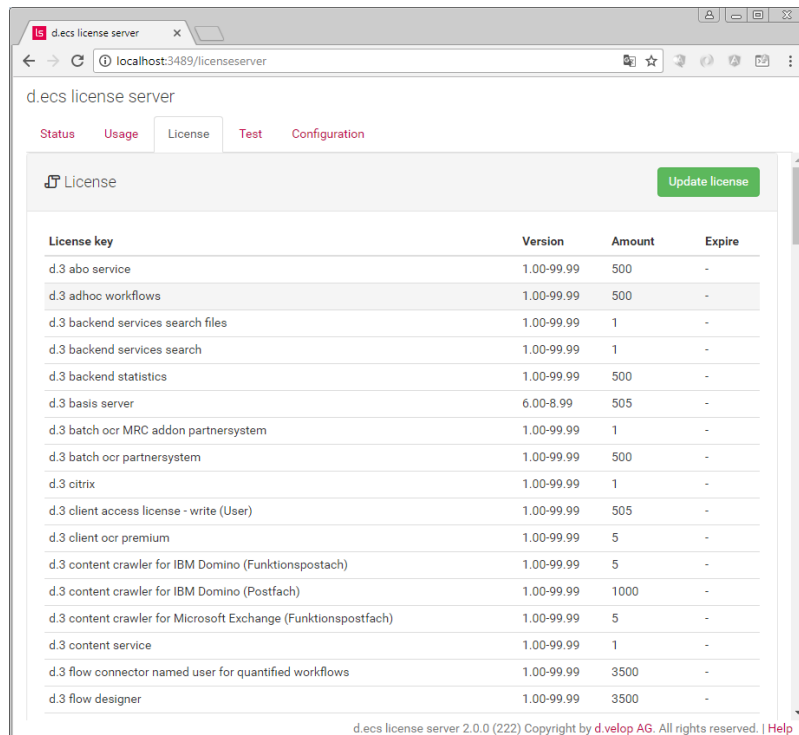
Warning

If the d.ecs license server is stopped, then no new user can sign in any more. The d.ecs license server is thus indispensable for the d.3 operation.

1.4.2. Server

The tab **License** lists the license keys contained in the license.

For each license key it is specified, if it is valid, how much of it may be used and if it may expire.



If an expiry date and the e-mail notification are configured for a license key, you get a notification ten, five, two and one day(s) by e-mail before it expires.

The button **Update license** allows you to refresh the license as on the tab **Status**.

Note

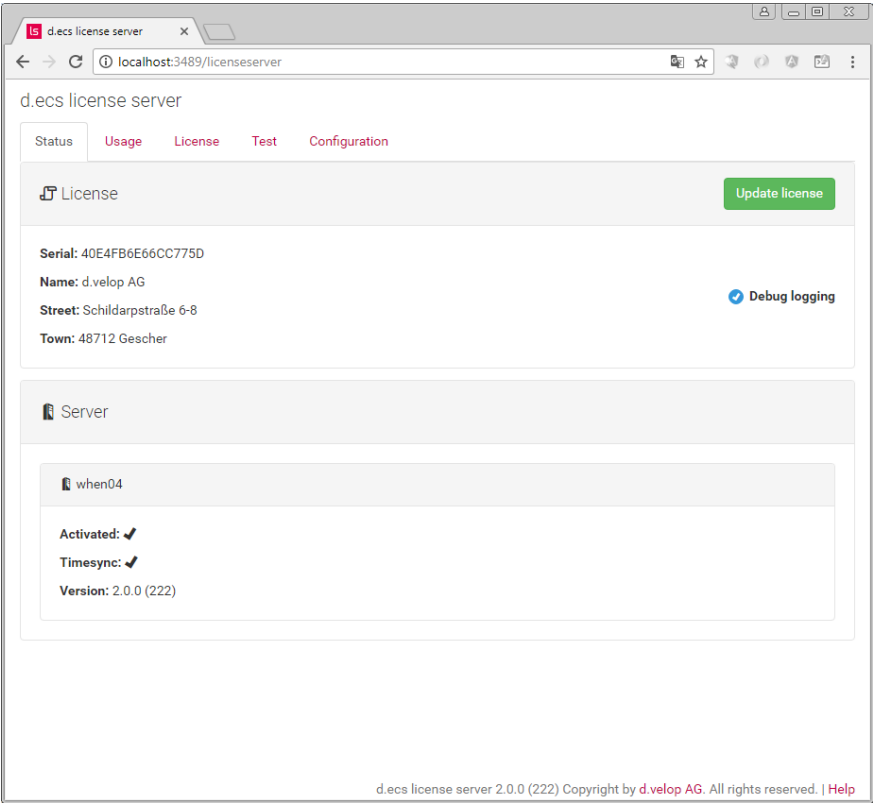
Please note that license keys listed here do not have to be fully equivalent to products purchased. A product may use one or more license keys use and the specified amounts for the license keys may vary in meaning depending on how a product uses them. Accordingly, a license key may specify an annual volume, the number of users, the number of servers etc. This is a mere technical information. You may use the respective software to the extent that you have purchased.

Note

User-specific information is not transmitted as part of this function; it is only technical information (e.g. server/host name) and usage-related information which does not allow any analysis specific to individual users.

1.4.3. Status

The tab **Status** displays the license managed by the d.ecs license server together with the servers involved.



The tab **License** displays the serial number of the license and the address of the licensee for whom the license has been issued.

A click on **Debug logging** allows you to enable a logging of every request to the log file. You can enable this, if you encounter communication issues with the d.ecs license server.

Using the log, you can determine, if requests reach the license server at all and which response it sent to the client.

Note
You should always disable the **Debug logging** again after a troubleshooting as it affects the performance of the d.ecs license server.

The tab **Server** lists the servers managing this license.

The following information is specified for each server.

Activated	A checkmark means that the d.ecs license server is activated. Typically, a non-activated d.ecs license server is not listed with the activated ones. If you encounter a mixed display, check your DNS server or enable the non-activated server.
Timesync	A checkmark means that the time of the license server is sufficiently synchronous with that of the browser, i.e. deviates less than five minutes. If a server is missing the checkmark, this is the reason for temporary errors retrieving license information.
Version	Specifies the version number of the d.ecs license server. This must be the same for all servers.

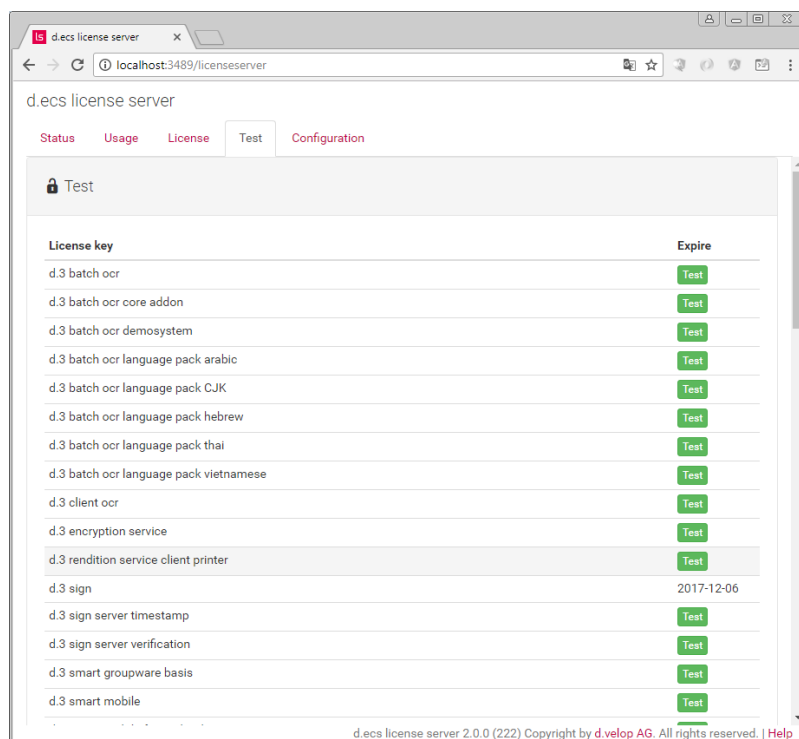
The button **Update license** allows you to download and update the license from the server again. This way, the browser loads the new license (`liccheck.lic`) and directly installs it on the server. Afterwards, you find a new `liccheck.lic` in the application directory of the d.ecs license server.

Note

After a click on **Update license**, a warning is displayed that the current usage values are transmitted to the d.velop server. Here, no details are transmitted on your usage except for the license keys and the used amounts. Registered machines or user names are not transmitted. Moreover, it is transmitted up to what time the license keys may be overbooked, if applicable. You must confirm this dialog in order to update the license.

1.4.4. Test

The tabm **Test** displays the **License keys** which have been overbooked and provides additional **License keys** for testing.



For each **License key** an expiry date is displayed until which it may be overbooked or tested.

If the browser has access to the internet, additional **License keys** are displayed which can be added for a 30-day test. To activate the test for a **License key** click on the respective button **Test**, optionally enter a short reason and confirm with **Ok**.

The data including information on your license consumption and which **License keys** are already used for testing are sent to the server of the d.velop AG. Afterwards, the **d.ecs license server** is activated for testing by the d.velop AG server and an expiry date is displayed instead of the button **Test**.

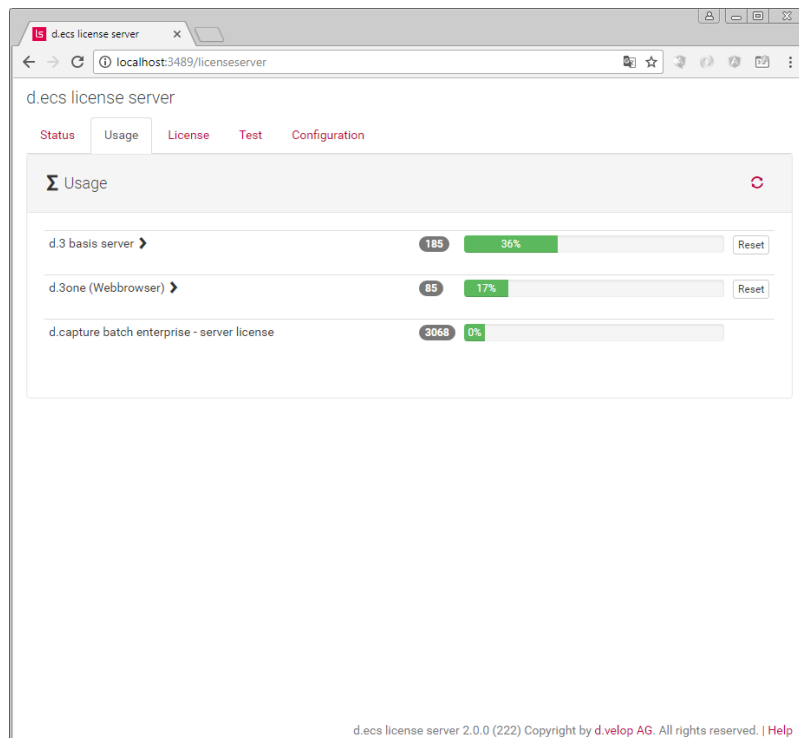
Note

User-specific information is not transmitted as part of this function; it is only technical information (e.g. server/host name) and usage-related information which does not allow any analysis specific to individual users.

Checking the license utilization: If you are using the function to request a test license or to reset or update an existing license, the transmitted information is required to assign and process the request.

1.4.5. Usage

The tab **Usage** lists the **License keys**, under which the modules/products count the utilization.



Each row initially displays the name of the **License key** followed by the used amount. Then, a percentage is listed showing how much of the available amount is currently used.

The percentage is green as long as it has not exceeded 100%. If the licensed amount was exceeded, the bar is displayed in red.

If an e-mail notification is configured, an e-mail is sent once a **License key** exceeds the 100%. Afterwards, you have 30 days time to install a new license with sufficient volume.

The tab **Test** allows you check when the 30 days expiry at any time.

For **License keys** under which names such as user names or host names are counted, the view can be expanded. Then, all names are displayed that are counted. If the **License key** is in overbooking mode, the entries are displayed at the end of the list in red.

Note

Upon expiry of the 30 days, only those can continue to work that are already occupying a valid license. All those in the overflow are then rejected.

If a new license is installed before the 30 days expire, thus making a sufficient amount available the expiry date is removed from the license keys so that this function is available again after a renewed overflow.

If too many or incorrect names were registered due to an error, you can click on **Reset** to clear the respective list of **License keys**. Having clicked, a dialog is displayed first, in which you should provide a reason for the d.velop AG. Confirm this dialog with **OK** and a request for deletion is sent to our server. Here, all **License keys** listed in the tab **Usage** and their consumption as well as the expiry dates from the tab **Test** are sent to the d.velop AG.

Note

The function **Reset** is not available for volume licenses.

1.5. Known issues / FAQ

1.5.1. License files

No new license-files (`liccheck.lic`) are required. Exception: The existing license is not sufficient for the respective product version.

1.5.2. Activating other licenses on the same server

Other licenses can not be activated on the same server. This is only possible, if the serial number of the license has remained the same. However a license extension is possible.

1.5.3. Port and protocol for the d.ecs license server

The d.ecs license server uses the UDP port **3489**. Moreover the TCP port **3489** is opened to allow determining information on the current usage of licenses via HTTP. TLS port **3589** is opened for access from external devices.

The information is provided in XML format and updated once per minute.

1.5.4. Log-file of the d.ecs license server

Errors are written into the Windows event log.

1.5.5. Failover security for the d.ecs license server

The installation and activation of two license servers is possible. Both can be named **d-velop-license** in the DNS and the `liccheck.ini` can also contain both.

If one fails, the other still works. This approach is recommended in conjunction with a [cluster](#).

1.5.6. Number of active and activated licenses

By default, a maximum of two enabled d.ecs license servers may be run simultaneously. If more than two license servers are required, then this can be separately licensed.

Erroneously starting a third enabled d.ecs license server does not cause the first started d.ecs license servers to stop.

Another d.ecs license server cannot be started any more, if they have been activated.

1.5.7. How does a hardware-migration of the license server work?

In case of a hardware-migration, install the d.ecs license server again and activate it.

However, only start it after the old d.ec license server has been switched off.

1.5.8. Custom products

Currently, no customized products can be licensed with the d.ecs license server.

1.5.9. Use of the d.ecs license server with older programs

All products can retrieve the license information from the license server as long as the current `liccheck.dll` (version 7.0.1) is available to them.

In connection with this new version of the DLL, it is thus no longer necessary to provide a local `liccheck.lic` for any product.

However, this `liccheck.lic` must still be used, if the product also needs offline-access to this information (e.g. d.3 client on notebooks or d.3 local engine).

Furthermore, the activation of new versions of other products will replace the online activation with a registration at the d.ecs license server.

1.5.10. Under d.3

License utilization

Licensing

Originally, d.3ecm was mainly operated with a concurrent user licensing. Since more and more products in connection work with d.3ecm based on named user licensing, this is consolidated to pure named users. Moreover, volume licensing is available in the context e.g. document classifications or invoice verifications.

The user licensing is described below.

Named Users

The licensee must purchase and assign an individual software license for each individual person using the software or authorized to access it or benefiting from the software functionality. This applies to direct and indirect usage in the same way.

The named user licenses are permanently assigned and must not be shared or exchanged among the users. Named user licenses may only be assigned to another user, if the original user is no longer employed at the licensee or has been assigned to a different task that does not require any access to the software any more.

The licensee must not use any software or hardware which is decreasing the number or persons who have direct access to or use the software (pooling). Using such hardware, software or technical users does not reduce the number of required software licenses. The required number of software licenses is equivalent to the number of persons accessing the software at any time.

The technical licensing differentiates between the context of the d.3 client access licenses and the other named- user-based licenses (e.g. d.3one, see below).

Using the d.3 client access license

With d.3 version 8.1, the new license type "d.3-named read only" is also supported technically by the named user licenses. As it was already done with the named user licenses, this also registers and manages the read-only licenses on the d.ecs license server. We recommend using the latest version of the d.3 server at your customers.

Deleting or deactivating a d.3 client access license client access license must be applied actively by an administrator. On the one hand, this should prevent that a user including the mailbox and documents in processing are unintentionally removed after a vacation or leave, while on the other hand, this is also due to requirements of documentation and traceability.

Usage of licences

A d.3 client access license (read or write) is occupied as soon as the respective user logs in to the system for the first time.

Deactivating or deleting a user

After having deactivated or deleted a user, e.g. in the d.3 administration dialog "User", the named user license is available again for a new employee after five days.

This requires the following minimum versions:

- 8.0.2 HF 9
- 8.1.0 HF 6

With hotfix builds older than the ones listed above, the times may deviate and have been corrected for consolidation. Thus, make sure to keep the software up to date.

Should the hold-up time of five days be too long in case of a staff change, a license may be released using the d.ecs license server 2.0. In this case, all assigned users are released from the license (program ID).

Was muss ich zur Lizenzverwendung ab Version 8.1.0 sonst noch beachten?

Reading the license data

When starting the d.3 processes the following license types are read from the liccheck.lic:

- "d.3-named" for "read/write" users (hereafter called full user)
- "d.3-named read only" for "read" users (hereafter called read-only user)

With log entries such as

- "Max. number of full users = ..." and
- "Max. number of read-only users = ...",

this is listed in the d.3 log.

System group "\$ReadOnly\$"

A new system group "\$ReadOnly\$" was introduced and by the membership of a user either a full user license (not member of this group) or a read only user license (member of this group) is occupied. The group is only created, if actual read-only user licenses are listed in the license file. The group cannot be changed or deleted. Only the user memberships can be changed.

Service users cannot be a member of this group. Neither is it possible to adopt other groups as members of this group. Neither can this group become a member of another group.

Read-only users

A user occupying a read-only user license will only have reading access to documents. A document import, changes to document properties or linking documents is therefore not possible for these users.

Phase after replacing the license file

If a named user license was found in the license file after the first start of the d.3 processes, the phasing-in period of 30 days begins. In this phase the users can switch between full user license and read only user license without time delay or blocking the licenses.

Because all d.3 user are full users at first, it is necessary to assign the users intended to act as read-only users to the group "\$ReadOnly\$" in d.3 admin after the installation.

Occupying a license

A named user license is occupied only when a user actively logs into the d.3 system. No licensing takes place when generating a user. In case of user updates, in particular those where a license change takes place, only the previously occupied license is deregistered on the license server and blocked for five days after the phase-in time. The new license is not registered.

Daily registration of licenses

The async process executes a routine daily, which registers users on the license server. The following rules apply for this process:

- Disabled users are not registered
- A user is registered only after having logged in to the system for the first time
- The registration is different for the read-only and the full license

Switching a user to a read-only user license

Within the 30 day introductory period of the named user licenses, users can be converted to a read-only user without blocking a license at any time.

Else the following rules apply:

- The restricted rights for the users take effect immediately.
- Once the phasing-in period has ended, the previously occupied full user license is blocked for another 5 days.
- The read-only license is occupied with the next login or with the next daily registration by the async process.

Switching a user to a full user license

A previously occupied read-only user license is immediately released. The full user license is occupied with the next login or with the next daily registration by the async process.

Service users

A service user occupies no named user license. However, if a service user becomes an “ordinary” user, this occupies a license with the next login or when it is activated through the daily registration by the async process.

If a named user becomes a service user after the phasing-in period, the respective license (full user or read-only user) is blocked for 5 days.

Deleting users

After the deletion of a user, the previously occupied license is blocked for 5 days.

Disabling users

If a user has been disabled, the occupied license is blocked for days.

License management with an LDAP connection

- Each new LDAP user initially does not occupy any license
- By assigning the system group "\$ReadOnly\$" via the LDAP configuration, the user rights are restricted to reading access and would thus occupy a read-only user license.
- The behavior on license switches is the same as without LDAP connection: When switching a license to a license with a smaller range of functions, the previous license is blocked for 5 days.
- If a user loses all rights because no groups or authorization profiles are assigned via the LDAP configuration, the user will be disabled in d.3 and the previous license is blocked for 5 days.
- If a disabled user gets d.3 access rights via the LDAP configuration again, the user will be enabled again automatically. This user will occupy a license again with the next login.
- If a user still exists in the d.3 repository but not in the directory service, the user will be disabled in d.3. The previous license is blocked for 5 days.

How does the named user licensing of other d.velop applications work?

Applications such as e.g. d.3one or d.3 mobile are also licensed using the named user model. Please note this here as well: A single software license must be purchased and assigned to each individual person who is authorized to use or access the software or who benefits from the functionality of the software.

The license only authorizes using the respective module. To access the d.3 repository, you additionally need a d.3 client access license (see above).

How are existing concurrent users treated?

The licensee must implement a system ensuring that the number of persons using or accessing the system does not exceed the number of granted software licenses at any time.

If a user executes a function in a d.3 repository, a vacant license is occupied for 30 minutes. If the same user executes more actions within the 30 minutes, the occupation is set to another 30 minutes respectively. If no actions are executed within the 30 minutes, the license can be used by another employee after this time.

With version 8.0, the deviating special regulation of the d.3 smart explorer was removed. The license is no longer vacated immediately on closing the client but after 30 minutes, following the default. At the same time, the d.3 smart explorer now only uses a license now while the user is active and no longer permanently while it is open.

We reserve the right to change this policy. The right to measure the license usage by the licensor is not affected by the regulations described above.

Is it possible to briefly summarize the new licensing regulations?

The regulations described in detail can be briefly summarized in the following "conclusion". However, this summary in no way replaces the detailed information provided elsewhere.

Conclusion

The following information applies in the context of the current licensing:

- The name user model is supported and exclusively offered.
- Every user working with system directly or indirectly must be licensed with a d.3 client access license.
- With the LDAP synchronization enabled, a license id booked for all users who have logged in to the system within the last 30 days, if they do not occupy one already
- Once a license was occupied by a user once, it is never released as long as the user is active in the system
- Only after a user has been disabled in the d.3 repository, the license allocated to him is released **after 5 days**.

For the points mentioned above to apply, it is necessary that you license file was adjusted to the named user model and that the d.3 server 8.1 with hotfix 14 or newer is used.

Moreover, the d.ecs license server 2.0 must be used to tolerate possible issues and to prevent system standstills due to lacking or missing technical licenses.

The number of issued technical licenses does not affect the purchased usage rights.

d.3

How can I configure d.3 demo systems being sometimes online and sometimes?

In demo systems, the d.ecs license server should not be activated. This limits the number of concurrent users to 2, disregarding the information in the license-file. A license file is required, nevertheless. A non-activated d.ecs license server is always started and is ignored by enabled d.ecs license servers.

Licensing before d.3 version 7.0.1

d.3 version 7.0.1 runs only with the d.ecs license server. The old licensing is no longer available under Microsoft Windows.

Communication between d.3 server and d.ecs license server

The d.ecs license server is either addressed through DNS via `d-velop-license` or a `licccheck.ini` file containing information such as the name of the d.ecs license server must be located in the directory of the `liccheck.dll`.

Number of actual d.3 users

How are the actual users technically determined which are accessing d.3 via a system user?

The import variables `vice_user` and `user_append` allow to pass additional information which can be used to count the licenses.

d.3 SDK

Yes, there are additional variables in all d.3 server functions which can be called via D3FC. For all functions, the import variable `vice_user` can be set. The d.3 server then used the license for the `vice_user` if the calling user is a system user.

Moreover the importing variable `user_append` was added to all functions. This can be passed with any type of information for the license count of the calling system. In customer portals this could be the customer number or e-mail address of the client.

1.5.11. License server reset due to changed license (SN)

Instructions for a reset of the license server:

1. Stop the d.ecs license server service.
2. Harmonize all license files (`liccheck.lic` and RTF) on the customer system.
Ideally, only in the application directory of the d.ecs license server.
In the central `d3client.prg` directory, it is sufficient to only provide a `liccheck.ini` with the host name of the d.ecs license server. When choosing the DNS name, ensure the resolution of this host name across the entire organization:
3. Start a DOS box with administrative privileges and navigate to the application directory of the d.ecs license server.
Execute the command `dlicsvc -resetserial`.
4. Report the reset code to the d.velop support by phone under +49 2542 9307-6000 and specify the serial number of the license to be vacated.
5. Then, reset the license with the second part of the reset code generated by the support and wait for the confirmation message "Serial reseted".
6. Restart the d.ecs license server service and activate the now correct new license.
7. Check in the d.3 logview, if the activation was successfully executed and if the license server could be activated.

1.5.12. Can I use TLS for direct access?

TLS is automatically enabled in d.ecs license server. A self-signed certificate is also created. If you want to use a different certificate, copy the other certificate to the application directory of d.ecs license server. Name the relevant certificate files as follows:

- **dlicsvr.crt** file: The certificate for the d.ecs license server.
- **dlicsvr.key** file: The private key file for **dlicsvr.crt**. The key file must not be password-protected.

Once you have created the certificate files, you must restart the d.ecs license server service.

Access to d.ecs license server via HTTPS is via port **3589**. Access via d.velop documents is then still possible.

1.5.13. Conversion of the license model to named user licenses

The changeover from the previous license model to a named User (NU) license model requires some preparation and testing. Among other things, adjustments to the authorization system of your d.3 repository may be necessary.

Checking the software versions

In order to be able to apply the delimitation of S and M licenses, the system must have at least a certain version status. The following versions are the minimum requirement:

- at least d.3 server 8.1.0.x
- at least d.3 client 8.1.0.x
- d.ecs license server 2.0.0.3 (recommended)
- Check the installed software versions.
- Install the respective updates if necessary.

Installing the new license file

With changing to the NU licenses, you receive an updated license. This must be provided at the respective position.

Two options exist for this effect:

Variant 1:

- Replace the file liccheck.lic in the directory of the d.ecs license server - e.g. C:\d3\d3licsvr.
- Start the d.ecs license server service again.

Variant 2:

- Update the license via the user interface of d.ecs license server (<http://localhost:3489/licenseserver>)
- Start the d.ecs license server service again.

Resetting the license server

If the serial number changes, you may have to reset your license.

- Reset the license as described under [Instruction on resetting a license](#).
- Activate the new license (by phone/internet).
- Start the d.ecs license server service again.

Separating the S and M users in the rights management

As soon as the license contains S users, the new system group “\$ReadOnly\$” is displayed in the administration. This is used to technically separate S and M users. Since the system group overrides all already existing rights, it can be used in addition to the previous ones. All users which should only have reading access are assigned to this group. This has the advantage that the “old” rights do not have to be adjusted. Depending on whether you are using a connection to an AD structure or only the d.3 internal rights, follow the steps below:

LDAP configuration

- If necessary create an AD group such as `d.3 users read-only`
- Assign this AD group to the system group `$ReadOnly$`.
- Assign the users which should only have reading access to the AD group.

Note

Service users cannot be assigned in this way.

d.3 internal configuration

- Assign the users which should only have reading access to the system group `$ReadOnly$`.

Note

Within the 30 day introductory period of the named user licenses, users can be converted to a read-only user without blocking a license at any time.

In this period, the users can switch between the full license (M) and the read-only license (S) and vice versa without delay of blocking a license.

Note

Example: A customer already has suitable rights structures on which the change to read-only users (license type User S) can be based.

d.3 update to version 8.1

The following versions are minimum requirements after the update:

- d.3 server - version 8.1.0.11
- d.3 client - version 8.1.0.8
- d.ecs license server 2.0.0.3

Installing the new license file

- The internal d.3 group `$ReadOnly$` is only generated, if actual read-only licenses are configured in the license file.
- If a new serial number is specified, the customer resets the license server ([Instructions for d.3 license server reset](#)).

Structures required in the LDAP configuration

The customer already uses a structure differentiating between reading, writing, and deletion rights. Since two groups already exist for reading access, assigning the `$ReadOnly$` system group separates S- and M-users. The `$ReadOnly$` system group overrides all other rights assigned by authorization profiles etc. Alternatively, you can create a new group with the name `ReadOnly` in the AD. Then, the system group `$ReadOnly$` and all users to occupy an license are assigned to this group. This has the advantage that all S-users are combined in a group and the old rights do not have to be adjusted.

Resetting the license server

In order to correctly occupy the licenses, the already occupied licenses are reset using the user interface of the d.ecs license server 2.0.

The license server only lists S- and M-users as, technically speaking, there are no actual L-users. These are counted as M-users.

Additional information on the user licensing (partially only available for employees of the d.velop AG and authorized Partners):

- LDAP connection & ReadOnly system group: [User licensing - Named User/ReadOnly in V8.1 since hotfix 6](#)
- FAQ in the service portal: <https://portal.d-velop.de/documentation/liz/faq>

1.5.14. What do I need to do if the message "The system group '\$disable\$' no longer exist! Please create a new group with" appears?

If the message "The system group '\$Deactivate\$' no longer exist! Please create a new group with the right 'Account is disabled' and assign it instead." is displayed after a login of a user or during the synchronization of the LDAP users by the d.3 async process, proceed as described below:

The reason for this message is that the system group "`$Deactivate$`" was adapted to the LDAP configuration to disable users and to avoid occupying a license at the same time. Since disabled users do not occupy a license from version 8.1 hotfix 6 of the d.3 servers, the group was deleted entirely. Instead now another group (at best a group with the option "No distribution to group mailbox") needs to be created for which the advanced property "User->d.3->User account->Account is disabled" is set to "Yes". Then, this group needs to be set in the LDAP configuration instead of the group "`$Deactivate$`".

If this recommended change is not applied, then the functionality is given as before in spite of the removal of the group "\$Deactivate\$".

1.6. Glossary

1.6.1. Concurrent User

A concurrent user is anybody actively working with the repository, i.e. searching or storing documents, using the mailbox or workflow.

When a license under d.3 is occupied can be viewed [here](#).

1.7. Additional information sources and imprint

If you want to deepen your knowledge of d.velop software, visit the d.velop academy digital learning platform at <https://dvelopacademy.keeelearning.de/>.

Our E-learning modules let you develop a more in-depth knowledge and specialist expertise at your own speed. A huge number of E-learning modules are free for you to access without registering beforehand.

Visit our Knowledge Base on the d.velop service portal. In the Knowledge Base, you can find all our latest solutions, answers to frequently asked questions and how-to topics for specific tasks. You can find the Knowledge Base at the following address: <https://kb.d-velop.de/>

Find the central imprint at <https://www.d-velop.com/imprint>.