

Last update: January 27, 2026

Please note:

- An update from a previous version < 4.00.0 is chargeable (all types: OTT Hydras 3 Basic/Standard/Pro/net).

After the update, you require a new license key!

Please contact your local OTT sales representative for a corresponding offer.

- To preserve existing configurations, e.g. "workspaces" or "jobs", please check strictly the preset installation path during the update!

Preset installation path: "C:\Program Files\Ott\Hydras3"; at prior installations: "C:\Program Files\Hydras3"!

- If OTT Hydras 3 is used in a network with a number of installations all licenses of OTT Hydras 3 have to be updated. After the update start OTT Hydras 3 first and click on the needed workspaces. After that you can start OTT Hydras 3 on all computers.

- Change in message logging: Please refer to annex H of the "Software Description Application Software OTT Hydras 3 net".

- A free of charge update (from previous version: 2.xx.x) to version 2.91.0 can be downloaded from www.ott.com/misc/Setup_Hydras3_V2910_EN.exe

- A free of charge update (from previous version: 3.xx.x) to version 3.08.0 can be downloaded from www.ott.com/misc/Setup_Hydras3_V3080_EN.exe

How to install the update

- Log on to your PC with administrator rights.

- Download the file "xxx.zip" to your PC.

- If the OTT Hydras 3 application software is still running: quit the program.

- Start the file "Hydras3_xxx.msi" -> the "InstallShield Wizard" opens.

- Follow installation instructions on the screen. Please use the existing installation path of OTT Hydras 3!

Change preset installation path if necessary!

Hash values*

SHA 256

```
Hydras3_V4731_DE.msi ac099fa95f22ab8be9e8401ff9c75ef9313f89a8b0908eadb55e22d03c75d3f8
Hydras3_V4731_EN.msi e6b566fb9ee461c51c2623a57094f8a1cae4a81f05b52ff6ab0a4512d41ecd84
Hydras3_V4731_ES.msi 914671bf84464a1648ef7c2f094ce9b919a43667c5b588b8a7bb6cd95a2f55e8
Hydras3_V4731_FR.msi 1f3ffe34436e783a27a19a8ebecc2f5ad26b0f5fb60d23c105ccf4e2bf2a403d
```

MD5

```
Hydras3_V4731_DE.msi c8cfe4f99408a610c9602c1bbb6962ed
Hydras3_V4731_EN.ms ad0d402cd8f7e491b55e68c20276307d
Hydras3_V4731_ES.ms b7894f0643e551a8de1154625f8ae22a
Hydras3_V4731_FR.ms c84c2a77cd5797f4f1e5ac180942590f
```

* for an optional integrity check of the setup file "Hydras3_V4731_xx.msi"

Release Notes

V 4.73.1 (14.01.2026)

New

- Job Management: Server side jobs can now also be managed on the client (not Batch jobs, read jobs, alarm jobs)
- Web UI: Data editing in Web UI available (on sensor page)
- Web UI: Webcams: Provide option to download all webcam images in a specific time range as a zip archive
- Web UI: Web Cam Images: History of web cam images is now also available in station view below map
- Network status: Option to export network status information as CSV file added
- BLE DATA READOUT: Passwords required for BLE communication are stored so they do not have to be entered again for every station
- Calculated Sensors: Support added for tables for calculation (e.g. to calculate discharge from level)
- Virtual sensors: Added support for virtual sensor type "ETA method" also on Hydras 3 net clients for remote workspaces
- Script: Export Data function now supports OTT-ML format (format="OML")
- Script: GetSensorConfig('REFPOINTSACTIVE',...) and SetSensorConfig('REFPOINTSACTIVE', ...) can now be used to activate/deactivate reference points of a sensor
- WebServer: Support for unique authentication credentials per logger added

Fixed

- Dashboard: Dashboard is not displayed, when panel of type gauge has gauge value parameters with , instead of .
- Web UI: Commands in network management page were created multiple times
- Sendconfig: SendConfig from Hydras 3 net windows client erroneously required logger authentication
- Authorization: Users gets an 403 HTTP Error code when trying to upload firmware if no users are defined in WebUsers.txt, but users with their privilege exist in H3-ACL.ACL
- PsuedoBinary B and D: Decoder used erroneously AVERAGING TIME instead of LOGGING INTERVAL setting. This could cause that sensors were skipped.
- PsuedoBinary B and C: Appended Battery voltage and latitude/longitude were not processed correctly
- PseudoBinary C Decoding: Got in deadlock if more info was appended than only battery voltage
- Virtual formula sensor: Calculation fails if calculation results in a "Not a Number" (NaN) value
- Virtual sensor: When a VS had only one formula, but "Use multiple formula sets" option was activated, IF conditions were not correctly transferred to client
- AutoImport: (Auto-)Import of OTT-ML file on Hydras 3 net client and local workspace caused permanent restart of Hydras 3
- AutoImport: AutoImport with In-Memory Option did not save a failed import file using the common file format with station-ID and ANSI DateTime
- Script: Executing a script configuration could cause an access violation
- Redundant Sensors: Client with remote workspaces does not show the current status on the server
- Redundant Sensors: When a monitored sensor is locked or redirected to its redundant sensor the Hydras 3 net client is not aware of these changes (with local copy of workspace)
- Redundant Sensors: Client cannot perform redundant sensor specific actions for remote workspaces on the server
- Redundant Sensors: When timing for redundant sensor checks was set on client for a workspace, then the checks were made on the client and result was not available on server
- A850 Job: Creating a new A850 download server job on the client used the wrong jobindex.
- WatchDog Restart: When watchdog performed an automatic restart, commands in the OTTMLCommandList in memory were not made persistent by saving to OTTMLCMD.DB
- Restart: When Windows performed an automatic restart, e.g. after an update, Hydras 3 did not detect this and did not make internal states persistent

Modified

- LinkComm for configuration: LinkComm is now first searched in the (x86) Program files folder, i.e. more modern x64 version is preferred
- BLE communication: Hydras 3 now sends initially 3 x Cr instead of only once (for new ecoLog 1000 and SensorLink 1000 firmwares required)
- Export Jobs: Watchdog in Job Scheduler, that checks if export jobs are still active
- Message List: Binary config files of netDL, ecoLog 1000 and SensorLink 1000 are automatically converted to Pseudo XML so they are human readable.
- Web UI Download: Data in MIS format are now downloaded as files instead of displayed in a new browser tab.
- Excel Export/Import: Now works without local Excel installation

V 4.71.0 (14.05.2025)

New

- Support for SensorLink 1000 - OTT FMS (network management and local data readout via Bluetooth LE)
- Address Management: Address management for addresses on server now in client available (requires admin role)
- Online Map: Current values are displayed in table on mouse over (like in Web UI)
- Web UI: Define up to 6 alarm limits like in Hydras 3 windows app
- Web UI Dashboards: Option added to show alarm limits in line charts in dashboard
- Web UI Dashboards: Added option in table view to show derived values like hourly/daily total or mean
- Web UI Data Report: Added option in table and view Excel export to show derived values like hourly/daily total or mean
- Web UI Network Management: Status notification settings can be defined in status page (only if user is admin)
- Web UI Network Management: Status chart now also shows status of monitored/redundant sensors
- "MultiSensorImport": Works now also on client for remote workspaces
- Network Status: Status of redundant sensors is displayed in status page of network management (if redundant sensors exist).
- Calculated sensors that are calculated on the fly are available as a light weight alternative to virtual sensors

Security

- Web UI: 2-Factor Authentication via code to SMS can be activated for user accounts
- Web UI: Prevent brute-force login attacks by delaying response time progressively in case of failed login
- Web UI: Users can be forced to change their password on next login in user settings

Modified

- Web User: Special characters - and . now allowed in user Name
- Web UI Alarm Limits: Alarm Limits for a sensor are no longer defined in a separate page, but are part of the new Web UI sensor properties page
- "GetServerInfo": Returns now also info which workspaces requires HTTPS. Switches automatically to HTTPS when required.
- Multi-Column Export Excel: Now supports up to 100 sensor instead of 50.
- Web UI Configuration files: User could upload logger config files only if he was an admin. Now he can do if he has the configuration change privilege

Fixes

- Address Management: Managing server addresses on client did not work properly if global addresses were used on the server (instead per workspace)
- Web UI User Management: Users that were created in the Web UI were not automatically added to the privilege management
- Web UI Excel Export: When 65535 rows were exceeded in result then empty file was returned, XLS format has a hard limit of 65535 lines.
- Web Server: Not existing Images like Station.jpg that caused a 404 did erroneously results in blocking the calling IP address
- Web Server: Accessing files in INetPub/free folder caused erroneously blocking of calling IP address
- A850 Download job: HTTPS setting was not properly loaded from config file
- Configuration parser: Configurations containing MQTT or MQTTS servers caused an access violation on parsing
- User Management: Navigation links settings for a user were not preserved, when edited in H3 windows application user management
- Virtual Sensor: When a virtual sensor that uses another virtual sensor as a source sensor was calculated after a few days it showed gaps

- Virtual Sensor: Creating virtual sensors with multiple formula sets on the client had no effect on the server
- PseudoBinary B and D Decoding: DATA DURATION field for a measurement is now handled properly, i.e. overlapping (redundant) data for a sensor can be transmitted and decoded properly.
- Privilege Management: Users could not be added for local instance/workspaces that have no web users
- Message Filter: When stations from selection list was selected returned message list was incorrect on Hydras 3 net client
- Network Status: Percentage label for data up to date was different than value shown in bar chart
- Online map: Online map on windows client did not work if server required authentication
- Various small bug fixes

V 4.67.0 (2024-06-06)

New

- Webcam Images: Image can be saved and zoomed using context menu
- WebUI: Binary configuration files are converted to XML for display
- WebUI: Download buttons for Excel and MIS added to chart view below map
- PseudoBinary B: Support also for random transmissions added (Meteosat and Iridium)

Modified

- Web UI Style: New color scheme activated
- Web UI: In the sensor list alarm limits could only be edited when they were already existing. Now they can be created from scratch also.
- SysAdmin: UI completely restructured

Fixed

- Server Live Protocol: Closing this form under full server load could cause an access violation
- Dashboard: Time range parameter for line and bar chart was improved. Always current day displayed.
- Messaging: If messaging thread was created, but neither SMTP server nor Twilio account were defined, the messaging thread was running with full CPU load

V 4.60.0 (2024-01-18)

-This update provides the following extensions and optimisations:

-New functions

- Meteosat data transmission : Support for pseudo binary C and D formats
- Iridium data transmission: Data reception via DirectIP. Support for SHEF, pseudo binary C and D formats
- Export: Single and multi-column Excel export format available for export configuration and export job.
- Virtual Table Sensors: This sensor type can now be created, edited and calculated on the Hydras 3 net windows client.
- WebUI: The stations visible to each user can be defined in the user management (based on regions).

IT security

- WebUI Security: Sessions are bound to IP address to prevent session hijacking.
- WebUI Security: Measures to prevent privilege escalation implemented.
- WebUI Security: Dynamic anti CSRF tokens implemented for each transmission of data from the client to the server.
- WebUI Security: Measures to prevent session riding implemented.
- WebUI Security: Additional measures to prevent HTML injection implemented.
- Web Server Security: Commands generated in the Web UI (e.g. firmware update) are additionally checked on the server for correct authorisation.
- WebServer: Support for TLS 1.3 added.

V 4.50.1 (2023-07-21)

This update provides the following extensions and optimisations:

Windows application

- The web interface user management is also available on the OTT Hydras 3 client.
- Access to the alarm archive is also available on the OTT Hydras 3 client.
- Exporting data is also possible in OTT-ML format (manually and as an export job).
- Enhanced support of OTT-ML format for Sutron XLink 100/500. Compatible with OTT netDL 500/1000.
- Mean function for a virtual sensor added.

Web interface

- Enhanced data report types: "Wind rose", "Meteogram" and "Heatmap".
- Derived values "Hourly Mean/Total" and "Daily Mean/Total" can now be displayed in the chart.
- Rights management is now integrated into user management.

- Dashboard panels can be refreshed automatically.
- Download and upload of station configuration files are now possible.
- "Live image" function: Images from all webcams of a station are displayed.

Bugfixes

- Creating a region locally in the OTT Hydras 3 net client for a remote workspace had no effect on the server workspace.
- Multi-column export: the attribute column contained the value of the previous sensor column.
- Import: Importing data files (MIS or raw data) via drag and drop in the chart window on the OTT Hydras 3 net Client did not work for a remote workspace.

V 4.40.0 (2022-11-07)

This update provides the following extensions and optimizations:

- Audit Trail: Hydras 3 can automatically create a so-called audit trail in which important user actions are logged in encrypted form.
- Automatic verification of redundant sensors
- Image archive for webcam images: Hydras 3 net Server can archive the received images over a longer period and display a list of stored images for selection.
- Check for availability of a new Hydras 3 version. Hydras 3 can check whether a new version is available for download. This check can be done manually or (optionally) automatically at each startup.
- Configurable dashboards in the web interface
- Embedding of dashboard panels in external web pages
- Remote modification of Python Scripts in Sutron XLink 500 and SatLink 3
- Direct entry of command line commands: if only a simple sequence of command line commands is to be transmitted to the logger, it is possible to select an XLink/SatLink station in the station list in the configuration area and execute the "Enter command(s)" menu item via the context menu.
- Security improvements based on the results of several penetration tests, the security of Hydras 3 net has been further improved.
- Download of Meteosat Daten from the Eumetsat Server
- Excel Export without OLE Automation
- Further software optimisations and bugfixes

V 4.30.0

- Internal version; not published

V 4.22.0 (20220505)

This update provides the following extensions and optimizations:

- Transmissions can now be disabled (by setting the transmission interval to 00:00:00; for OTT netDL FW \geq 3.08.0 and OTT ecoLog 1000 \geq 1.00.7).
- OTT ML metadata: if metadata such as GSM signal strength or humidity are assigned to a sensor, the software now automatically creates the sensors if they are missing.
- XLink support: on the OTT H3 Net Server, an XLink configuration file can be opened in an integrated editor that displays the configuration and the script. The configuration and/or script can be sent to XLink using the "UpdateConfiguration" command.
- Stations and sensors in the workspace of a remote server can be deleted from the client.
- All components of station/sensor configurations are transferred between client and server and vice versa whenever a station is created or modified.

- Several new script functions have been added: GetLastValuesFromServer, GetExtremeValuesFromServer, IsRemoteWorkspace, ReplaceSymbol.
- Graph window: can now be opened by pressing the Enter key when the sensor node is selected in the tree.
- Channel view: individual channels can now be added to this view from the selection list.
- Meteosat Download Job to automatically download data from the EumetSat web server.
- Search dialog now supports searching for specific parameter types.
- Further software optimization and bugfixes

V 4.10.2 ... 4.21.0

- Internal versions; not published

V 4.10.1 (20210624)

- This update provides the following extensions and optimisations:
- Supports AutoImport on OTT Hydras 3 net clients for remote workspaces.
- Supports creation/display of info data on OTT Hydras 3 net clients for remote workspaces.
- Added SysAdmin web interface (/accountname/sysAdmin). Login with server name and licence key.
- Supports FTPS server settings for OTT netDL and OTT ecoLog 1000 configurations.
- SFTP support in script language
- Further software optimisations and bugfixes

V 4.05.0 ... 4.10.0

- Internal versions; not published

V 4.04.0 (20200810)

This update provides the following extensions and optimizations:

- "LinkComm" operating software can be called up for OTT ecoLog 1000 configurations directly from OTT Hydras 3 net and a changed configuration can be written back to create a OTT Hydras 3 net command: "update configuration"
- Data of an OTT ecoLog 1000 can be read out locally via BLE (Bluetooth Low Energy)
- Battery voltage check adapted for OTT ecoLog 1000: current voltage minimum voltage > configurable voltage delta
- A Station can be created now automatically during test transmission (configurable via registry entry "Net_Server_Create_Station_on_Test_Transmission")
- Security improvements for the integrated OTT Hydras 3 net web server. No more access to files outside the "INetPub" file directory
- Further software optimisations and bugfixes

V 4.00.1 ... 4.03.0

- Internal versions; not published.

V 4.00.0 (20190924)

This update* provides the following extensions and optimizations:

- Supports OTT ecoLog 1000 groundwater data logger
- Supports Sutron XLink 100/500 data logger
- Webinterface available in HydrometCloud style (activation code required)
- Download job for HydrometCloud available
- Context sensitive HTML help available
- Autoimport now optionally runs in the background
- Optimized client data access to server data
- Improved web server security (e.g. HTTP PUT requests are blocked)
- Notification SMS can be sent by a Twilio account via the Internet
- Further software optimisations and bugfixes

* chargeable from all previous versions

V 3.10.0

-Internal version; not published.

V 3.08.0 (20180405)

This update* provides the following extensions and optimizations:

- Alarm messages (based on the information on the status page) can be sent by EMail/SMS;
- Extended multiclient capability: many settings which have been global before can now be adjusted individually for each workspace;
- OTT Hydras 3 net Client now uses HTTP Proxy settings (if available);
- Sutron Dataloggers (Xpert2; 9210B; 8310; 7310) can now transmit data in CSV format directly to the "TCP Socket" interface of OTT Hydras 3 net;
- Automatic data retrieval from Adcon A850 Gateways per download job is now possible;
- It is now possible to edit data, to transfer raw data, to import and calculate virtual sensors with OTT Hydras 3 net Clients and a remote workspace;
- OTT Hydras 3 net Server can be installed and used directly as Microsoft Windows system service (Run as Service), no further external tools are required;
- OTTML data received via HTTP(S) can be forwarded via HTTP(S) to another (OTT Hydras 3 net) server or can be exported directly;
- Updated security concept;
- Certificates can be used directly from the Microsoft Windows Certificate Storage (without importing a certificate file);
- Data retrieval (polling) is now also possible by HTTP(S) (manually or by a polling job);
- Various minor software optimizations and bugfixes

* free from Version V 3.xx.x; chargeable from Version 2.xx.x V 3.00.2 ... 3.07.0

-Internal versions; not published.

V 3.00.1 (20160609)

- Internal processing of commands in OTTML format has been optimized
- Various bugfixes

V 3.00.0 (20160418)

Update is chargeable!

- OTT Hydras 3 net functionality implemented
- Online map based on Open Street Map
- Data in OTTML format can now also be read out via USB / RS232 / modem
- During the active auto import, OTT Hydras 3 can still be operated
- Stations in OTT Hydras 3 can be created directly out of the OTT Data Logger Operating Program
- Integrated web server supports HTTPS
- Manages up to 30 level reference points (previously max. 5)
- Various script commands added or expanded

V 2.91.0 (20130805)

This version can be downloaded from "www.ott.com/misc/Setup_Hydras3_V2910_EN.exe"

- USB communication with OTT netDL (manual)
- IP communication with OTT netDL (manual and automatic)
- Option to activate an integrated OPC DA 2.0 Server (this option has to be bought separately. Please contact OTT Hydromet or your OTT dealer for technical details and price).
- Automatic scaling of graphs
- SMTP transmission is now also possible with TLS/SSL authentication (e.g. GMail, Hotmail)
- Selectable options for EXCEL export
- Options for maps are shown directly beside the map
- Relevance of data can be visualized in the map
- Sum lines for multigraphics available
- ZRX export with REXCHANGE ID
- AutoImport of OTTML files (*.oml)
- Automatic poll has been upgraded
- Extensions in script language (Hydras 3 pro)
- Database adjustments (longer paths possible)
- Various bugfixes