EOSCONNECT Core Edtion 11.23 (1.10.570.0)

Supported machines

- EOS M 290
- EOS M 290-2
- EOS M 300-4
- EOS M 300-4 1kW
- EOS M 400-4
- EOS P 500
- EOS P 500 FDR

New Functions

- Item 180404: The Web API version 4 has been marked as deprecated and may be removed with any next release.
- Item 188390: For the EOS M 300 and EOS P 500 machine families we now provide information about energy usage. Your will find the datapoints under consumption/energy.
- Item 193908: For our EOS M 300 and M 400 machine families we now provide the collector bin fill level. You can find this datapoint under filterSystem.
- Item 194129: For our EOS M 300 and M 400 machine families we now provide the weight of the passivation medium. You can find this datapoint under filterSystem.
- Item 196734: With this version the laser correction images used to power SmartFusion are availble via the images endpoint of the Web API.
- Item 196843: With EOSPRINT now supporting part volumen segmentation, EOSCONNECT Core provides information about the part segements, too. You can find this information when querying details about a part via Web API.
- Item 197536: There is now a new endpoint to access the values of the online laser power measurement. This endpoint will work for all polymer machines. You can find the endpoint under /exposure/onlineLaserPowerMeasurement.
- Item 202561: There is a bunch of new data points available for our polymer machines. Theses new data is available at all interfaces (OPC, Web API, MQTT):
  - Laser cooling water temperatur
  - Dew point in the optics box
  - If the laser is energized
  - Inert gas flow rate
  - Filter system turbine differential pressure
  - Temperature in the removal chamber
  - Flow rate of pyrometer in the process chamber
  - Temperature of the heatings in the powder heating module
  - Filling levels of the collector and the power of the pump to empty them.
  - Conveyor/exchange frame positions
  - Pressure in the filter system
  - Velocity of the stirring paddle
  - Filling level of the dispenser
  - Flow of inertgas over the lens
  - Velocity of the hot air fan

  Additionally for OPC there is now a datapoint for the last layer, so you can access its information after it was finished.

EOSCONNECT Core Edition 05.23 (1.9.667.0)

Supported machines

- EOS M 290
- EOS M 300-4
- EOS M 400
- EOS M 400-4
- EOS P 500

Please be aware of changes in versioning:

- All new datapoints of OPC are part of OPC tree version 3.2.
- All new endpoint of Web API are part of version 6.4.
- Starting with this release the Web API version 4 is deprecated. It may be removed in any upcoming version.

Solved Items

- Item 189914: The machine is always logging states for OEE analytics. No matter if the user interface for setting theses states manually is enabled or not. EOSCONNECT Core is now providing theses states in any case.

New Functions

- Item 136435: We now provide the data if the door of the process chamber is closed is now provided historically. There are also new data points representing the Comfort Powder Management doors on EOS M 290 machines.
- Item 147243: A part might not be built completely if a job was canceled in the middle or the part was deactivated while the job was running. If the part was build successfully is now provided via the parts endpoints of Web API.
- Item 162163: With this release we provide more information about the optics system hardware built into the machine.
- Item 164166: In EOSPRINT you can segment your part by layer and assign the segments exposure sets. Theses information is now available via the parts detail endpoint. In case if a job contains segmantated parts, the exposure set property on the part will return 'MultiExpPar'.
- Item 176919: The connection to EOS Hub (SaaS) is now more robust in terms of connection losses and the data that is cached in these cases.
- Item 180015: Powder bed images are now sent to EOS Hub (SaaS). This can be disabled in the settings in the EOSCONNECT Core Web GUI.
- Item 184071: Starting with this version no licenses are required anymore to query data, trigger commands or request reports. Its OK to still have these licenses on the system, but they are not used and not needed.
- Item 184844: The system is now able to receive commands from EOS Hub (SaaS).
- Item 187954: We now provide two types of job indices. One is the index in the task file generate by EOSPRINT, the other is the index in the job that was actually build. Normally the indices are the same. But when starting a job in the middle (e.g. by pausing a job and starting another one on top) the index in the job is lower as it starts over by 1.
- Item 190346: There are new parameters you can use when downloading images via Web API:
  - Compression: Set a value between 0-100. 100 means no compression. When decreasing the size of the images gets smaller. These parameter only applies to JPEG images.
  - Height: You can set this parameter to limit the height of images downloaded. This too will decrease the size of the images. The setting will only apply to JPEG and PNG images.

EOSCONNECT Core Edition 11.22 SP3 (1.8.740.0)

Supported machines

- EOS M 290
- EOS M 300-4
- EOS M 400
- EOS M 400-4
- EOS P 500
- EOS P 396
- EOS P 770
- EOS P 810

Solved Items

- Item 195530: Potential duplication of messages sent to EOS Hub (SaaS) is prevented now.
- Item 196186: Images for jobs built on another job are displayed correctly in EOS Hub.

New Functions

- Item 192073: The connection to EOS Hub (SaaS) is now more robust and more data is sent. E.g. PowderBed images. This can be disabled in the settings.

EOSCONNECT Core Edition 11.22 SP2 (1.8.725.0)

Supported machines

- EOS M 290
- EOS M 400
- EOS M 400-4
- EOS P 396
- EOS P 500
- EOS P 770
- EOS P 810
- EOS M 300-4

Solved Items

- Item 188486: The downloadable documentation of data points contains the M300-4 sensors again.

EOSCONNECT Core Edition 11.22 SP1 (1.8.712.0)

Supported machines

- EOS M 290
- EOS M 300-4
- EOS M 400
- EOS M 400-4
- EOS P 396
- EOS P 500
- EOS P 770
- EOS P 810
- EOS P 500 FDR

Solved Items

- Item 189292: The sensor value endpopints of all versions are working again.
- Item 189293: In order to make the image download endpoint backward compatible again, The changes in compression and size have been reverted.
- Item 189914: The machine is always logging states for OEE analytics. No matter if the user interface for setting theses states manually is enabled or not. EOSCONNECT Core is now providing theses states in any case.

EOSCONNECT Core Edition 11.22 (1.8.663.0)

Supported machines

- EOS M 290
- EOS M 300-4
- EOS M 400
- EOS M 400-4
- EOS P 396
- EOS P 500
- EOS P 770
- EOS P 810

Solved Items

- Item 165796: Sending messages with the same id now works when using version 3 of the OPC interface. The problem was not fixed in previous versions, as this would have needed a breaking change.
- Item 168290: The OPC value for remoteControlAllowed is now returning the correct value on PSW machines.
- Item 173713: The /jobs endpoint of Web API can now be used, even if one or more job databases are corrupt.
- Item 176721: Every software version is now shown only once when querying the list of software versions via Web API.
- Item 188486: The downloadable documentation of data points contains the M300-4 sensors again.
- Item 189292: The sensor value endpopints of all versions are working again.
- Item 189293: In order to make the image download endpoint backward compatible again, The changes in compression and size have been reverted.
- Item 189914: The machine is always logging states for OEE analytics. No matter if the user interface for setting theses states manually is enabled or not. EOSCONNECT Core is now providing theses states in any case.
- Item 195530: Potential duplication of messages sent to EOS Hub (SaaS) is prevented now.
- Item 196186: Images for jobs built on another job are displayed correctly in EOS Hub.

New Functions

- Item 151533: More information about sensor can now be queried via Web API. For example the threshold and the minimum sampling rate used to limit the sensor data.
- Item 165749: There is now a consolidated list of available time series. These data is provided via a downloadable Excel file.
- Item 169593: You can now configure the machine to send data to EOS Cloud. This is not enabled by default.
- Item 170697: The pressure of the compressed air supply is now available on all interfaces. It is available for all EOSYSTEM 2 machines (EOS M 290, EOS M 300-4, EOS M 400, EOS M 400-4, EOS P 500)
- Item 177969: Accessing the Web API endpoints is now significantly faster.
- Item 178882: The sensor for the building platform temperatur was stating a value of 3276°C (0xFFFFFF) when disconnected. Since this release it remains at the last know value. In order to check if the building platform is disconnected, you can use a newly introduced value: building platform disconnected. This value is available for all EOS M 400 and EOS M 400-4 machines on all interfaces.
- Item 180403: The Web API version 3 was marked as deprecated in this release. It will be removed in the next release.
- Item 180585: The removal chamber temperature and its set point are now available at all interfaces for the following machines: EOS P 396, EOS P 500.
- Item 192073: The connection to EOS Hub (SaaS) is now more robust and more data is sent. E.g. PowderBed images. This can be disabled in the settings.

EOSCONNECT Core Edition 05.22 SP1 (1.7.1023.0)

Supported machines

- EOS M 290
- EOS M 300-4
- EOS M 400-4
- EOS M 400
- EOS P 500

New Functions

- Item 192074: Connection to EOS Hub (SaaS) is now available in this edition, too. Open the EOSCONNECT Core page on the machine by entering the serial number in your browser (https://<serial number>) and click 'EOS Hub (SaaS) Settings' to enter the connection string you got when configuring the machine in EOS Hub (SaaS).

EOSCONNECT Core Edition 05.22 (1.7.920.0)

Supported machines

- EOS M 290
- EOS M 290-2
- EOS M 300-4
- EOS M 400
- EOS M 400-4
- EOS P 396
- EOS P 500
- EOS P 500 FDR
- EOS P 770
- EOS P 810
- EOS P 500 LPF

Solved Items

- Item 163118: The start up timing problem leading to the process states being always maintenance is now fixed.
- Item 163144: Documentation for endpoint /exposure/calibrations/ now states a correct list of supported machines.
- Item 163845: The property IsSetManual in the state object was misleading. Therefore, it is now marked as obsolete. There is now a new property called IsEnabled. Please use that one in future.
- Item 167022: The corrected value for dispenser fill level on EOS M 400 and EOS M 400-4 machines is now returned.
- Item 168259: Powderbed images can now be accessed for EOS M 290 machines, too.

New Functions

- Item 75998: We provide new data about the filter cleaning processes via all interfaces. There are three new data points:
  - How many cleanings have been executed since the last filter change?
  - How many cleanings are still to come, before the next filter change is recommended?
  - When have filter cleanings been executed?
- Item 98510: The set speed for the following axes is now provided via all interfaces:
  - Recoater axis
  - Dispenser rotary axis
  - Dispenser axis
  - Collector axis
  - Building platform axis

  Please be aware, that not all axes exist on all machines. Please refer to the documentation for more details.
- Item 105314: There is a new endpoint in WebAPI (/tasks/configuration) to download a file containing all the configuration files needed to generate a task with EOSPRINT or the EOSPRINT SDK. With this new endpoint it is now possible to generate tasks on a remote system and then uploading it via EOSCONNECT Core.
- Item 125206: In order to simplify the access to user messages via OPC, we introduced a new node (Software.UserMessages.Last). This node can be used via the OPC DataAccess profile and always holds the last user message.
- Item 132115: User messages now provide a new field with additional diagnostic information. This information can be used by technicians to diagnose machine problems.
- Item 140219: There are new data points with information about the filter system. These data points are provided via all interfaces:
  - The flow of inert gas measured by RFS 2 and the set point the machine controls aginst.
  - The differential pressure at the filter in the filter system.
  - The amount of power that should be supplied by the turbine.
  - The flow set point at the turbine.
  - The differential pressure at the turbine and the set point the machine controls against.

  Please be aware, that not all data exist on all machines. Please refer to the documentation for more details.
- Item 140662: There is a new endpoint at WebAPI (/diagnostics/opc) for diagnosing OPC connections. This endpoint returns the number of sessions and TCP connections and from where they are originating. This can help finding problems with connectivity, espescially a not responding OPC interface in case it is spammed.
- Item 143119: Besides the already available building platform temperature, we are now providing the set point against which the machine controls, too. The data is provided at all interfaces.
- Item 151551: There is new information about the job data files, stored on the machine. You can now access:
  - The size the file consumes on the disk.
  - Whether the file is corrupt.

The information is available under the /jobs endpoint of the Web API.

- Item 151552: We are now introducing minor versions for WebAPI. A new minor version is still compatible with all other major versions with the same number, but provides new features.
- Item 153353: The thresholds for some datapoints have been improved to create less data while still storing the relevant information. This will lead to a reduced database size and the timeseries can now be analyzed more easily by analytics applications. The following data points have been adapted:
  - Recoater axis torque
  - Collector platform position
  - Turbine differential pressure
  - Filter differential pressure

  Please refer to the documentation for the new values.
- Item 153741: There is a new endpoint (/diagnostics/logs) in the Web API, providing the log entries for all EOS software running on the machine. These log entries are supposed to help technicians to analyze problems at the machine.
- Item 153744: You can now download the logfiles of all EOS software via a new Web API endpoint (/diagnostics/logfiles).
- Item 153753: The installed licenses can now be queried using a new endpoint (/maintenance/licenses) in the Web API.
- Item 153755: It is now possible to apply new licenses using the Web API. For that two new endpoints have been added:
  - /maintenance/licenses/request to retrieve a license request file. This can then be sent to EOS.
  - /maintenance/licenses/update to upload the license definition file you got from EOS.
- Item 156524: We now provide information about the ressources used by the machine PC. You can query the following information via all interfaces:
  - Free hard drive memory of the data partition
  - Used memory
  - Total memory
  - CPU load
- Item 156718: The beam offset used in a job is now available via all interfaces.
- Item 156895: We introduced minor versioning for OPC (2.1) and Web API (6.1). In future there will be new interface versions with an increased minor version number if the version is still backwards compatible but holds new functionality. Using this policy, clients can identify what functionalities a certain machine supports.
- Item 157239: The MQTT default configuration changed. All topics are now under the root topic 'eos-machine'.
- Item 157326: User messages can now be retrieved for all supported languages ('en', 'de', 'it' and 'fr') for the OPC and Web API interfaces.
- Item 159610: The data of process chamber humidity is now filtered by a low band filter so customers can read more from it.
- Item 159948: We now provide more information about a material set used for a build job. For example, the material name and wheather the material was customized by the customer. Please refer to the documentation to find all properties now supported.
- Item 160924: EOSCONNECT Core is now using WIBU license runtime in the version 7.40.
- Item 161842: We provide data about the chambers of the dispenser of EOS M4x machines:
  - The chamber count that was calculated by the control software.
  - The chamber count that was used by the machine.
- Item 192074: Connection to EOS Hub (SaaS) is now available in this edition, too. Open the EOSCONNECT Core page on the machine by entering the serial number in your browser (https://<serial number>) and click 'EOS Hub (SaaS) Settings' to enter the connection string you got when configuring the machine in EOS Hub (SaaS).

EOSCONNECT Core Edition 11.21 HF1 (1.6.808)

Supported machines

- EOS M 290
- EOS M 300-4
- EOS M 400
- EOS M 400-4
- EOS P 396
- EOS P 500
- EOS P 770
- EOS P 810

Solved Items

- Item 163118: The start up timing problem leading to the process states being always maintenance is now fixed.
- Item 168259: Powderbed images can now be accessed for EOS M 290 machines, too.

EOSCONNECT Core Edition 11.21 (1.6.792)

Supported machines

- EOS M 300-4
- EOS P 500
- EOS M 290
- EOS P 396
- EOS M 400-4
- EOS M 400
- EOS P 810
- EOS P 770

Solved Items

- Item 138434: O2 concentration of filter system now reports the correct value for EOS M 300-4.
- Item 138568: Web API endpoints that are not supported on PSW machines, now returning 404 (not found).
- Item 139119: Tasks now can be started via EOSCONNECT OPC commands while still being uploaded.
- Item 147201: The data point ProcessChamber/PressureRelative is still returning the absolute pressure for EOS P 500 systems. But it should not be used for this machine type anymore and will be disabled in future versions. You should now use the data point ProcessChamber/PressureAbsolute. Please refer to new functios item 154529.
- Item 152397: With this version, the correct machine state is always returned, no matter if OEE was activated or deactivated in EOSYSTEM.
- Item 163118: The start up timing problem leading to the process states being always maintenance is now fixed.
- Item 168259: Powderbed images can now be accessed for EOS M 290 machines, too.

New Functions

- Item 78479: The problems identified by EOSTATE PowderBed, Exposure OT or Meltpool are now accessible via the Web API. There are two new endpoints. One under /jobs where all problems found in a job can be downloaded as csv file. Another one under /layers where the problems per layer can be accessed.
- Item 100112: As MQTT is gaining more and more popularity, it is now possible to send data from the EOS machines to an MQTT server. The system allows configuration of custom messages, triggers when to send the messages and machine specific data. Please have a look at the documentation, to get familiar with the functionalites.
- Item 128548: The images taken by the EOSTATE Exposure OT and MeltPool systems can now be accessed via Web API. You can now choose the file type (jpg, png, tiff). With this the current endpoint /images, which is only returning EOSTATE PowderBed images, was marked as obsolete but is still working. Nevertheless you should now use the new endpoints under /layers to access the images.
- Item 136614: For each command there is a new detailed state data point. It gives the cause, why a command might not be executable.
- Item 154529: There is a new data point to return the absolute pressure in the process chamber of EOS P 500 machines. This new datapoint is available via OPC UA, Web API and MQTT. This data is reported in mBar.

EOSCONNECT Core Edition 05.21 HF1 (1.5.673)

Supported machines

- EOS M 290
- EOS M 300-4
- EOS M 400
- EOS M 400-4
- EOS P 396
- EOS P 500
- EOS P 770
- EOS P 810

Solved Items

- Item 163118: The start up timing problem leading to the process states being always maintenance is now fixed.

EOSCONNECT Core Edition 05.21 (1.5.663.0)

Supported machines

- EOS M 300-4
- EOS P 500
- EOS M 290
- EOS P 396
- EOS M 400-4
- EOS M 400
- EOS P 810
- EOS P 770

Solved Items

- Item 120230: The user starting the job is now returned for the job being queried.
- Item 121437: Now OPC nodes can be read and subscribed.
- Item 121455: The OPC datapoint Info.Material is now always up to date.
- Item 121496: The exposure unit temperature on M300-4 is now logged with a sampling rate 1s.
- Item 121973: The software versions are now always available at the OPC interface.
- Item 123333: The names of the filter pressure tags are now correct.
- Item 126033: Changing the authorization settings can now be done even an empty password was choosen for the default operator.
- Item 127414: The material of the job is now stating the material name.
- Item 163118: The start up timing problem leading to the process states being always maintenance is now fixed.

New Functions

- Item 98804: A job can now be started via OPC. An approriate command is now available. Please be aware, that commands are only working when authentication is enabled and with the license 'EOSCONNECT Core Control'. This is working for M300-4, M400(-4) Standalone and P500.
- Item 101801: There are new versions of Web API (V6) and OPC (V2). They hold numerous changes in the structure, but still hold all endpoints from previous versions. The new interface has the following advantages: It is now grouped into modules, so it is more easy to find values. We made both interfaces look as equal as possible, so developers can easily switch between them. With the new structure we are prepared for future developments, as it does not only allow sensor values to be added but configured and calculated ones, too. Further more the Web Api time series ids and tree structure can now be versioned and you can now easily access the current values of all time series.
- Item 105505: The dosing factor per layer, set in EOSPRINT, is now available in Web API and OPC.
- Item 106756: If the machine is in service mode, the process state is now set to maintenance so it can be logged if the machine is being maintained.
- Item 110375: The authentication can now be enabled/disable without restarting the machine.
- Item 117834: The number of OPC connections allowed was increased to 15.
- Item 120189: We are now providing information about the inert gas flow (only EOS M 300-4) and valve.
- Item 120809: The exchange frame can now be loaded and unloaded via OPC. Appropriate commands are now available. Please be aware, that commands are only working when authentication is enabled and with the license 'EOSCONNECT Core Control'. This is working for M300-4, M400(-4) Standalone and P500.
- Item 122651: We are now providing offset and gain on exposure calibrations endpoint.
- Item 124778: The count of items that can be retrieved via Web APi is now available on all endpoints that support pagination (take and skip parameters).
- Item 126078: Information about job scalings configured via EOSPRINT are now available.
- Item 127821: More detailed information about the machine state are now available. These information can be set via a user interface in EOSCADA and may be used to calculate the OEE of the machines in your factory.
- Item 132203: The layer specific dosage factor is now provided as a property when querying the /layers endpoint.
- Item 139387: In the previous version, only a maximum number of 150 parts could be supplied to parts report endpoint. This was due to the limited size of an URL. Therefore we decided to change the interface, so part ids can be supplied via the body of the request. Now an almost unlimited number of parts can be transmitted.

EOSCONNECT Core Edition 11.20 (1.4.1162)

Supported machines

- EOS M 290
- EOS M 300-4
- EOS M 400
- EOS M 400-4
- EOS P 500

Solved Items

- Item 103623: The following data points have been removed, as it were set points and no sensors: Dispenser.Speed, BuildingPlatform.Speed, Recoater.Speed.
- Item 118913: The message security mode Basic256 of OPC is due to security issues no longer supported. Instead we provide the following: None, Basic256Sha256, Aes128Sha256RsaOaep, AES256Sha256RsaPss.
- Item 151924: The offline documentation is now always up to date.

New Functions

- Item 39770: It is now possible to export a job. This job can then be opened with EOSYSTEM SmartService.
- Item 61590: You can now access laser power measurements.
- Item 64033: The process chamber door status is now available.
- Item 64358: The material that is currently in the machine is now accessible via OPC and Web API.
- Item 82302: Powderbed images are now available in high resolution at /images endpoint in Web API. OT and MeltPool images are not available in this release, but will be added in one of the next releases.
- Item 89521: Filter pressures and O2 concentration of the filtering system are now available via OPC and Web API.
- Item 98513: The endpoint /parts now provide more information. E.g. the exposure time per part.
- Item 100232: There is an endpoint to upload tasks generated with EOSPRINT.
- Item 104064: There is a tool to diagnose common errors of EOSCONNECT Core. It can be started by putting the machine in service mode and starting it via Windows start menu.
- Item 108507: There is an endpoint to create reports for jobs, parts and events. A license is needed to make this work.
- Item 109517: When accessing the list of jobs on the machine, you will now receive more information without querying the details of a job. The list of jobs can now be filtered by the time, it ran.
- Item 109840: More information is now provided. Layer height for example. The messages can now be filtered by time at the Web API and can be translated.
- Item 112642: There is a property which returns if the sensor value was recorded during a job run.
- Item 118409: You can now access scanner calibrations.
- Item 150631: The humidity and relative pressure in the process chamber can be accessed via OPC.
- Item 150640: O2 concentration in the filtering system is now available.
- Item 150641: The laser operating time, serial number and other information are available.
- Item 150642: Versioning was introduced for OPC so it stays downward compatible in future. All new features are now introduced under the new node v1. The datapoints BuildStart and CoolDownStart are not available anymore.

EOSCONNECT Core Edition 05.20 HF1 (1.3.504.0)

Supported machines

- EOS M 300-4
- EOS P 500
- EOS M 290
- EOS M 400-4
- EOS M 400

EOSCONNECT Core Edition 05.20 SP1 (1.3.491.0)

Supported machines

- EOS M 300-4
- EOS P 500
- EOS M 290
- EOS M 400-4
- EOS M 400

Solved Items

- Item 98487: In some cases the self-signed certificate, created by EOSCONNECT Core, could not be updated automatically. This is fixed now.
- Item 108542: In some cases the endpoint /usermessages was throwing an error.
- Item 112507: The WebAPI endpoint 'SenosorValues' did not work anymore, after to many sensor values were logged.
- Item 112508: The configuration of EOS Hub server was quite complicated. This was simplified. To configure the server, now only the following file has to be changed.
- Item 117595: It was possible to edit the users of EOSCADA, by injecting SQL commands into the user name while authorizing for the AuthorizationSettings.
- Item 117945: In some rare cases the memory of EOSCONNECT continously increased without decreasing. That is fixed now.

EOSCONNECT Core Edition 05.20 PSW (1.3.425.0)

Supported machines

- EOS P 810
- EOS P 770
- EOS P 396

EOSCONNECT Core Edition 05.20 (1.3.402.0)

Supported machines

- EOS M 300-4
- EOS P 500
- EOS M 290
- EOS M 400-4
- EOS M 400

Solved Items

- Item 52880: The LayerCount of the current job was too high, after the last layer was built.
- Item 91977: Previously the certificate generated and used by EOSCONNECT needed to be deleted after changing the hostname of the machine. Thats not needed anymore.
- Item 98487: In some cases the self-signed certificate, created by EOSCONNECT Core, could not be updated automatically. This is fixed now.
- Item 102555: When connecting to the machine via browser by using a FQDN (fully qualified domain name) like SI0001.company.de, it was not possible to login to the authorization settings. The login page did not load.
- Item 108542: In some cases the endpoint /usermessages was throwing an error.
- Item 112507: The WebAPI endpoint 'SenosorValues' did not work anymore, after to many sensor values were logged.
- Item 112508: The configuration of EOS Hub server was quite complicated. This was simplified. To configure the server, now only the following file has to be changed.
- Item 117595: It was possible to edit the users of EOSCADA, by injecting SQL commands into the user name while authorizing for the AuthorizationSettings.
- Item 117945: In some rare cases the memory of EOSCONNECT continously increased without decreasing. That is fixed now.
- Item 128479: When changing the host name of the machine, it was not possible to manage the credentials anymore.
- Item 129046: When querying the /images endpoint of Web API only a limited set of images could be accessed per 30 min.
- Item 133784: Sometimes when the OPC connection had to be renewed it could lead to an application crash.
- Item 136926: When accessing user messages, the messages with the id 35-30048 and 35-30046 were not translated.
- Item 139784: The material of the current job is now transmitted to EOS Hub.

New Functions

- Item 44988: There is now a documented and tested way to use caching for the OPC UA interface.
- Item 80454: The torque of recoater axis is now available.
- Item 98802: The running job can now be paused and resumed via OPC UA interface. The License EOSCONNECT Core Control is needed for that.
- Item 150644: Recoater position of EOS M300-4 is now available.
- Item 150645: Fill height of dispenser is available via Web API.
- Item 150646: Environment temperature and humidity are now available at Web API.
- Item 150648: O2 concentration in process chamber is available at Web API.
- Item 150649:
- Item 150650: Process chamber door opened is available at Web API.
- Item 150651: Process chamber humidity is available via OPC and Web API.

EOSCONNECT Core Edition 10.19 (1.2.1251.0)

Supported machines

- EOS M 300-4
- EOS P 500
- EOS M 290
- EOS M 400-4
- EOS M 400

EOSCONNECT Core Edition 10.19 SP1 (1.2.1232.0)

Supported machines

- EOS M 300-4
- EOS P 500
- EOS M 290
- EOS M 400-4
- EOS M 400

Solved Items

- Item 98487: In some cases the self-signed certificate, created by EOSCONNECT Core, could not be updated automatically. This is fixed now.
- Item 108542: In some cases the endpoint /usermessages was throwing an error.
- Item 112507: The WebAPI endpoint 'SenosorValues' did not work anymore, after to many sensor values were logged.
- Item 112508: The configuration of EOS Hub server was quite complicated. This was simplified. To configure the server, now only the following file has to be changed.
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EOSCONNECT Core Edition 10.19 (1.2.1110.0)

Supported machines

- EOS M 400-4
- EOS M 290
- EOS P 500
- EOS M 300-4
- EOS M 400

Solved Items

- Item 67667: In some rare cases it could happen that the deletion algorithm of sensor values took too long causing a potential impact on available memory on disk.
- Item 69202: It was possible to create so many OPC Server queries per second that the CPU usage of the IPC can be driven to 100%. This is possible as the LiveDataService is currently not restricted to using only 1 core and its priority is set to normal, which is the same priority as HCS.
- Item 74595: To be consistent with EOSYSTEM SmartService, EOSTATE Everywhere and the EOSTATE Job Quality Report, an EV_ID > 40000 will now be reduced by 40000 before it is displayed to the user.
- Item 97222: If a job on a M4x is paused by the machine because of an error and the user cancels the job, the OPC data points ProcessState, ProcessStateAM and ProcessStateEOS will keep its values forever. This condition can be changed by the following actions: Set the machine into maintenance mode then open the Service Management Console (services.msc) and restart the EOSCONNECT Live Data Service.
- Item 98487: In some cases the self-signed certificate, created by EOSCONNECT Core, could not be updated automatically. This is fixed now.
- Item 108542: In some cases the endpoint /usermessages was throwing an error.
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- Item 128479: When changing the host name of the machine, it was not possible to manage the credentials anymore.
- Item 129046: When querying the /images endpoint of Web API only a limited set of images could be accessed per 30 min.
- Item 133784: Sometimes when the OPC connection had to be renewed it could lead to an application crash.
- Item 136926: When accessing user messages, the messages with the id 35-30048 and 35-30046 were not translated.
- Item 139784: The material of the current job is now transmitted to EOS Hub.

New Functions

- Item 58199: EOSCONNECT Core can now make available images and part information via the web API. Details on the information can be found in the online documentation.
- Item 62679: The user can configure a password for data access via the EOSCONNECT interfaces.
- Item 67899: EOSCONNECT Core now supplies information on the software versions installed on the machine and additional machine information via the OPC UA and web API interfaces. Detailed information can be found in the online documentation.
- Item 150660: EOSCONNECT Core now supports several time-based values from our new machines of type EOS M 300-4 and EOS P 500. Detailed information can be found in the online documentation.