Release notes — EIP Driver for Ignition 8.1

Deutsche Fassung: RELEASE_NOTES.de.md

What changes for you when you install a new version of this module: new features, changed behaviour, what was removed and what was fixed. This includes changes in the ToddySoft Connect EtherNet/IP driver inside the module. Every item is described in full in the manual (*Version history* and the sections it points to).

1.3.0 — 2026-11-13

Built on ToddySoft Connect 1.3.0.

Before you upgrade

- **Ignition 8.1.33 or later is required** (Java 17). On older 8.1 releases Ignition refuses the install. Upgrade Ignition first.
- **The licence agreement has changed**, so Ignition asks you to accept it again.
- **Backplane now takes effect.** It was ignored until now. A backplane and slot that lead to no controller fail the connect with an error, instead of the gateway talking to the Ethernet module itself. Check both settings.
- **Date and time tags have new value types.** DATE and DATE_AND_TIME are DateTime values; TIME and LTIME are milliseconds; TIME_OF_DAY and LTIME_OF_DAY are milliseconds since midnight. Writes take the same forms. Check scripts and bindings that use them.

New

- **Triggered groups:** tags read together when a trigger tag changes, instead of at a fixed polling rate.
- **Licence diagnosis on the gateway:** why a device is or is not licensed, with a report to send to support.
- **An expired licence keeps working for its 30-day grace period**, and the gateway names its end date. Until now an expired licence was reported as corrupted and refused at once.
- **Installing or upgrading the module needs no gateway restart** on Ignition 8.1.
- **Logix strings can be written**, the built-in STRING and a project's own string types (for example `STRING_32`) alike. A value longer than the type holds is refused, never cut.

- **Manual:** the first edition of this module's manual, including activating, renewing and moving the licence, online and offline.

Changed

- **Browsing:** an array is one folder holding its elements, an array of structures a folder per element. Program tags appear in one folder per program (for example `Program:MainProgram`) instead of beside the controller tags. Existing tags keep their item paths and keep working.
- **The device status is accurate:** *Connected* once reads succeed, and a paused tag group says why it is paused.
- The module's description on the gateway says it is the build for Ignition 8.1.

Fixed

- **Licence:** a valid licence is no longer reported as *corrupted* after a gateway start, nor when Ignition delivers it while the gateway is running. The licence itself no longer appears in the gateway or audit log.
- **Writes the controller refuses fail in Ignition**, with the reason as the status (for example `Bad_TypeMismatch` or `Bad_NotFound`). They used to be reported as successful.
- **Values are written in the tag's own type.** LREAL, unsigned integers and BYTE to LWORD were sent as DINT, so the controller refused them or a DINT tag took them truncated (2.5 written as 2). A value written to an address without a type now keeps its own type instead of being converted to DINT first.
- **Tag quality:** a tag not read yet, or whose last read failed, no longer reads 0 with Good quality.
- **Large values read completely:** arrays of STRINGs and large arrays that do not fit one reply no longer fail.
- **Array elements past the 256th** can be addressed.
- **Many tags on one device:** a tag group with more tags than fit one request is split into several requests, instead of being refused by the controller.
- **A variable the driver cannot type is skipped** and named in the log instead of stopping the whole device.
- Removing the last tag of a tag group no longer leaves the device in *Connection Lost*.
- A device no longer fails to start with `NoClassDefFoundError: …/PlcDeviceSetup`.