Cisco Edge Intelligence
Release Notes, Release 2.0

May 2025

Cisco Edge Intelligence Release 2.0

Cisco Edge Intelligence Release 2.0 marks a significant evolution from its cloud-managed predecessor. While maintaining the same end-to-end data management functionality using defined pipelines, Release 2.0 eliminates dependencies on the IOT Operations Dashboard EI Cloud application.

Cisco Edge Intelligence presents a single, continuous workflow for local pipeline configuration. Pipeline configuration involves identifying data sources and destinations, and defining the data rules and logic that determine how the collected data is processed, transformed, and delivered.

Figure 1.   Pipeline creation workflow in Cisco Edge Intelligence

Cisco Edge Intelligence continues to use built-in industry-standard connectors such as OPC Unified Architecture (OPC-UA), Modbus (TCP/IP and Serial), and MQ Telemetry Transport (MQTT) that allow data to be extracted from diverse sources.

Cisco Edge Intelligence also supports NTCIP 1202, NTCIP 1203, NTCIP 1204 and RSU connectors, that are critical in the road transport sector.

New software features

Release 2.0.2

This section provides a brief description of the behavior changes introduced in Cisco Edge Intelligence Release 2.0.2.

Description	Behavior changes
Multi-version upgrade support	The challenges with multi-version upgrades for users upgrading from early Cisco Edge Intelligence 1.x.x releases to Cisco Edge Intelligence Release 2.0.x are resolved.
Password encoding	Encoded credentials in pipeline templates were double-encoded when downloaded from one agent and either: • deployed through another agent • reuploaded for deployment in the same agent This issue is now resolved.

Release 2.0.0

Product Impact	Feature	Description
Feature Set	Unified workflow for pipeline creation	Cisco Edge Intelligence presents a single, continuous workflow for local pipeline configuration. Pipeline configuration involves identifying data sources and destinations, and defining the data rules and logic that determine how the collected data is processed, transformed, and delivered. You can add up to 20 sources in a pipeline.
Feature Set	Pipeline templates	You can save a pipeline configuration as a template while drafting or at completion in the Cisco Edge Intelligence GUI. The templates you create are displayed in your Cisco Edge Intelligence GUI. To reuse a template in a different Cisco Edge Intelligence agent, you must download the template from your agent, modify it as required, and upload it into the target agent. Automate pipeline deployments using templates You can export a configured template as a template payload, and use it directly as an API payload for programmatic deployment. You can deploy pipelines across multiple environments using this approach.
Feature Set	In-app code editor	The Cisco Edge Intelligence GUI includes an in-app code editor in the Data Logic step. The editor validates your inputs and helps you troubleshoot your configuration script at the drafting stage.
Feature Set	Delete all pipelines	Reset the Cisco Edge Intelligence agent to delete all the pipelines in it.

Product Impact	Feature	Description

Feature Set	API Support	The following APIs are available:
		
		• Authentication: User authentication and token management
		  ◦ Obtain or refresh JWT token
		  ◦ Change user password
		• Policy management: Data policy management
		  ◦ Retrieve pipeline configuration
		  ◦ Undeploy data pipeline
		  ◦ Get all pipeline configurations
		  ◦ Deploy new pipeline
		  ◦ Get status of all pipelines
		  ◦ Get status of specific pipeline
		• Agent management: EI Agent management
		  ◦ Retrieve EI Agent status
		  ◦ Reset the EI Agent
		• Event management: Retrieve event information

Known issues

1. Pipelines access across Cisco Edge Intelligence releases

   Any pipelines configured and deployed using Cisco Edge Intelligence Release 1.0 are visible and accessible through the Cisco Edge Intelligence Release 2.0 GUI. However, the converse is not supported. You cannot view or access Cisco Edge Intelligence Release 2.0 pipelines using the preceding release.

2. Unsupported connectors

   The following connectors that were available in Cisco Edge Intelligence Release 1.0 are not supported in release 2.0:

   • Southbound connectors: EtherNet/IP (Ethernet Industrial Protocol or EIP) and Common Industrial Protocol (CIP) are not supported.

   • Northbound connectors: Cumulocity is not supported.

3. Bulk deployment of pipelines is not supported through the GUI. You can use APIs or command line solutions for bulk deployment.

4. You cannot save or verify asset configurations while creating a pipeline.

5. You cannot enable or disable verbose logging for connectors.

6. You cannot download log files.

Supported hardware

The Cisco Edge Intelligence agent is deployed through local managers on supported routers and uses the on-premise network resources. The agent can also be deployed through the Cisco Catalyst SD-WAN Manager.

The Cisco Edge Intelligence agent runs on Cisco network devices as a Cisco IOx app on the following devices:

- Cisco 829 Industrial Integrated Services Routers (Cisco IR829)
- Cisco Catalyst IR1101 Rugged Series Router
- Cisco Catalyst IR1800 Rugged Series Routers
- Cisco Catalyst IE3400 Rugged Series
- Cisco IC3000 Industrial Compute Gateway

Supported software packages

Software package	Behavior changes	Release
Edge Intelligence 2.0.2 release for IC3K	Install Cisco Edge Intelligence on Cisco IC3000 Industrial Compute Gateway	2.0.2
Edge Intelligence 2.0.2 release for IE3XXX	Install Cisco Edge Intelligence on Cisco IE3x00 devices	2.0.2
Edge Intelligence 2.0.2 release for IR1101	Install Cisco Edge Intelligence on Cisco IR1101 devices	2.0.2
Edge Intelligence 2.0.2 release for IR183X	Install Cisco Edge Intelligence on Cisco IR183x devices	2.0.2
Edge Intelligence 2.0.2 release for IR8X9	Install Cisco Edge Intelligence on Cisco IR8x9 devices	2.0.2
Edge Intelligence 2.0.2 release for IR1101 with SDWAN	Install Cisco Edge Intelligence on Cisco IR1101 devices using Cisco Catalyst SDWAN Manager	2.0.2
Edge Intelligence 2.0.2 release for IR183X with SDWAN	Install Cisco Edge Intelligence on Cisco IR183x devices using Cisco Catalyst SDWAN Manager	2.0.2

Related resources

- [Cisco Edge Intelligence User Guide, Release 2.0](#)
- [Cisco Edge Intelligence Version 2.0 API](#)

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