Release Notes for AI Troubleshooting for Industrial Networks, Release 1.0.0

© 2026 Cisco and/or its affiliates. All rights reserved.

AI Troubleshooting for Industrial Networks, Release 1.0.0 3
New software features 3
New hardware features 5
Changes in behavior 5
Resolved issues 6
Known issues 6
Compatibility 6
Scalability 7
Supported software packages 7
Related resources 8
Legal information 8

© 2026 Cisco and/or its affiliates. All rights reserved.

AI Troubleshooting for Industrial Networks, Release 1.0.0

AI Troubleshooting for Industrial Networks is an on-premises AI agent for industrial operations. Release 1.0.0 helps maintenance users and network administrators maximize network availability by detecting industrial network issues, diagnosing likely root causes, and providing plain-language remediation guidance. The release brings ambient monitoring, alert triage, AI-assisted investigation, topology context, device inventory, and operational runbooks into one workspace.

New software features

AI Troubleshooting for Industrial Networks features

This section provides a brief description of the software features included in Release 1.0.0.

Table 1. New software features for AI Troubleshooting for Industrial Networks, Release 1.0.0

Product Impact	Feature	Description
Better Visibility	Ambient monitoring	Continuously monitors industrial network signals and alerts users before issues become longer outages. Receives syslog messages from supported network switches, analyzes them, and creates alert inputs for troubleshooting workflows.
	Interactive network topology	Provides a searchable topology map to identify affected switches, interfaces, endpoints, and locations.
Ease of Process	Root-cause diagnosis	Correlates topology, device state, syslog, and configuration evidence to identify likely causes faster than manual investigation. Shows the network evidence used to form recommendations so users can validate findings before taking action.
	Network discovery and tagging	Discovers devices and connections from a supported Cisco switch or an uploaded CSV device list, then lets users add tags and custom inventory fields.
Ease of Use	Conversational interface	Lets users ask natural-language questions about devices, connections, VLANs, and network state without signing in to switches.
	OT-friendly troubleshooting	Provides plain-language guidance, topology views, asset names, and operational context for industrial network investigations.

© 2026 Cisco and/or its affiliates. All rights reserved.

Product Impact	Feature	Description
Security	On-premises data control	Keeps customer credentials, topology, logs, configurations, and operational data on-premises. Cloud tethering is required to use the tool and supports software updates and agent operational telemetry.
Greater Control	Role-based access	Provides Admin and OT User roles. Admins maintain the application and data sources; OT Users triage alerts, investigate topology and inventory, and hand off remediation.

Monitored OT issues

This section lists the industrial network issue areas monitored by AI Troubleshooting for Industrial Networks.

Table 2. Monitored OT issues supported in Release 1.0.0

Issue area	Examples of monitored issues	Why this matters
Endpoint offline or degraded	Port down, err-disabled port, endpoint moved, VLAN mismatch, unreachable device, duplex issues, or error issues.	Identifies access-layer symptoms and whether an endpoint is offline, moved, or unreachable.
Link, cable, and media faults	Link down or flapping, copper cable faults, fiber or SFP issues, unsupported transceivers, or degraded transceivers.	Helps determine whether a port, cable, optic, fiber module, or media path is involved.
PoE and endpoint power	PoE disabled, power budget exhausted, port power limit issue, or powered device not detected.	Identifies whether power conditions make a powered endpoint offline or unstable.
Switch power, health, and reachability	Power-supply issue, input-power loss, redundancy degraded, voltage warning, CPU pressure, memory pressure, or an unreachable switch.	Determines whether switch health, power, or reachability contributes to the issue.

© 2026 Cisco and/or its affiliates. All rights reserved.

Issue area	Examples of monitored issues	Why this matters
Duplicate IP and L2NAT conflicts	Duplicate translated IP, L2NAT-reserved IP conflict, or multiple devices claiming the same IP.	Distinguishes expected translation behavior from addressing conflicts.
Power-loss events	Dying gasp, input-power fault, or device dark after power loss or unplugging.	Identifies equipment that may have gone offline because of power loss.

New hardware features

No new hardware features are included in Release 1.0.0.

Changes in behavior

No changes in behavior are documented for this first release.

Resolved issues

Table 3. Resolved issues for AI Troubleshooting for Industrial Networks, Release 1.0.0

Cisco bug ID	Description
N/A	No resolved issues are reported for this first release.

Known issues

Table 4. Known issues for AI Troubleshooting for Industrial Networks, Release 1.0.0

Cisco bug ID	Description
N/A	No open or known issues are reported for this first release.

Compatibility

Virtualization compatibility

Table 5. Compatibility information for AI Troubleshooting for Industrial Networks, Release 1.0.0

Product	Supported release
VMware ESXi	8.0.3 and above
Nutanix	Prism Central pc.2024.3.1 and above

© 2026 Cisco and/or its affiliates. All rights reserved.

Cisco IOS-XE switch compatibility

Table 6. Supported Cisco IOS-XE switch families for Release 1.0.0

Product or device family	Support status
Cisco Catalyst IE3100 Rugged Series switches	Supported in Release 1.0.0
Cisco Catalyst IE3100 Heavy Duty Series switches	Supported in Release 1.0.0
Cisco Catalyst IE3200 Rugged Series switches	Supported in Release 1.0.0
Cisco Catalyst IE3300 Rugged Series switches	Supported in Release 1.0.0
Cisco Catalyst IE3400 Rugged Series switches	Supported in Release 1.0.0
Cisco Catalyst IE3400 Heavy Duty Series switches	Supported in Release 1.0.0
Cisco Catalyst IE3500 Rugged Series switches	Supported in Release 1.0.0
Cisco Catalyst IE3500 Heavy Duty Series switches	Supported in Release 1.0.0
Cisco Catalyst IE9300 Rugged Series switches	Supported in Release 1.0.0
Cisco Catalyst 9300 Series switches	Supported in Release 1.0.0

Deployment requirements

Table 7. Deployment requirements for AI Troubleshooting for Industrial Networks, Release 1.0.0

Requirement	Details
Virtual machine resources	32 x86 CPU cores, 48 GB RAM, and 70 GB disk space.
Network configuration	Fixed IPv4 address with CIDR, IPv4 gateway, and comma-separated IPv4 DNS servers.
Application domain	An FQDN for the application and a private DNS record that points to the VM IPv4 address.
Cloud access	Outbound connectivity to the selected US or EU AgenticOps cloud endpoint; TCP 443 must be allowed.
Activation	Activation through Cisco SSO or a setup key, using the region and administrator account associated with the activation request.

Upgrade compatibility

This is the first release of AI Troubleshooting for Industrial Networks. No upgrade path from an earlier product release is provided.

© 2026 Cisco and/or its affiliates. All rights reserved.

Table 8. Upgrade path to AI Troubleshooting for Industrial Networks Release 1.0.0

Current software release	Upgrade path to Release 1.0.0
Not applicable	First release; no earlier product release is documented.

Scalability

Each AI Troubleshooting for Industrial Networks agent instance supports up to 50 switches and 600 endpoints.

Supported software packages

Release 1.0.0 is delivered as a Cisco-provided OVA. The package filename is not specified.

Virtual appliance package

Table 9. Software package for AI Troubleshooting for Industrial Networks, Release 1.0.0

Software package	Description	Release
Cisco-provided OVA (filename not specified)	Deploy AI Troubleshooting for Industrial Networks as a virtual appliance.	1.0.0

Sensor software

No separate sensor software package is specified for Release 1.0.0.

Related resources

AI Troubleshooting for Industrial Networks User Guide

AI Troubleshooting for Industrial Networks Installation Guide

Legal information

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: www.cisco.com/go/trademarks. Third-party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)

Any Internet Protocol (IP) addresses and phone numbers used in this document are not intended to be actual addresses and phone numbers. Any examples, command display output, network topology diagrams, and other figures included in the document are shown for illustrative purposes only. Any use of actual IP addresses or phone numbers in illustrative content is unintentional and coincidental.

© 2026 Cisco Systems, Inc. All rights reserved.