



# Release Notes for Cisco IC3000 Industrial Compute Gateway for Release 1.4.1

The following release notes support the Cisco IC3000. These release notes are updated to describe new features, limitations, troubleshooting, recommended configurations, caveats, and provide information on how to obtain support and documentation.

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## Image Information

**Note:** You must have a Cisco.com account to download the software.

Cisco IC3000 operates on the following Cisco images:

- IC3000-K9-1.4.1.SPA

## Software Downloads

The latest image file for the IC3000 can be found here:

<https://software.cisco.com/download/home/286321914>

## Major Enhancements

Release 1.4.1 includes support for Simple Network Management Protocol (SNMP) Version 3 in the IC3000 and enables the user to configure the SNMP access to the device. The SNMPv3 support includes the following:

## Major Enhancements

## Local Manager Configuration Tab for SNMPv3

## SNMPv3 Traps for MIB-II System, Interfaces, and IP

## SNMPv3 Polling for MIB-II System, Interfaces, and IP

After configuring SNMPv3, the user will be able to query the device and monitor for the following MIBS:

## System MIB

Number	Variable Name	OID	Read/Write Capability
1	sysDescr	(1.3.6.1.2.1.1.1)	Read Only
2	sysObjectID	(1.3.6.1.2.1.1.2)	Read Only
3	sysUpTime	(1.3.6.1.2.1.1.3)	Read Only
4	sysName	(1.3.6.1.2.1.1.5)	Read Write
5	sysContact	(1.3.6.1.2.1.1.4)	Read Write

## Interface MIB

Number	Variable Name	OID	Read/Write Capability
1	ifIndex	(1.3.6.1.2.1.2.2.1.1)	Read Only
2	ifDescr	(1.3.6.1.2.1.2.2.1.2)	Read Only
3	ifType	(1.3.6.1.2.1.2.2.1.3)	Read Only
4	ifMtu	(1.3.6.1.2.1.2.2.1.4)	Read Only
6	ifPhysAddress	(1.3.6.1.2.1.2.2.1.6)	Read Only
7	ifAdminStatus	(1.3.6.1.2.1.2.2.1.7)	Read Write
8	ifOperStatus	(1.3.6.1.2.1.2.2.1.8)	Read Only
9	ifSpecific	(1.3.6.1.2.1.2.2.1.22)	Read Only
11	ifInUcastPkts	(1.3.6.1.2.1.2.2.1.11)	Read Only
12	ifInDiscards	(1.3.6.1.2.1.2.2.1.13)	Read Only
13	ifInErrors	(1.3.6.1.2.1.2.2.1.14)	Read Only
15	ifOutUcastPkts	(1.3.6.1.2.1.2.2.1.17)	Read Only
16	ifOutDiscards	(1.3.6.1.2.1.2.2.1.19)	Read Only
17	ifOutErrors	(1.3.6.1.2.1.2.2.1.20)	Read Only
18	ifOutQLen	(1.3.6.1.2.1.2.2.1.21)	Read Only

## Related Documentation

## IP MIB

Number	Variable Name	OID	Read/Write Capability
1	ipAdEntAddr	(1.3.6.1.2.1.4.20.1.1)	Read Only
2	ipAdEntNetMask	(1.3.6.1.2.1.4.20.1.3)	Read Only
3	ipAdEntBcastAddr	(1.3.6.1.2.1.4.20.1.4)	Read Only

## Related Documentation

The following documentation is available:

- All of the Cisco IC3000 documentation can be found here:

<https://www.cisco.com/c/en/us/support/routers/3000-series-industrial-compute-gateways/tsd-products-support-series-home.html>

- IoT Field Network Director

<https://www.cisco.com/c/en/us/support/cloud-systems-management/iot-field-network-director/tsd-products-support-series-home.html>

- Cisco IOx Documentation is found here:

<https://www.cisco.com/c/en/us/support/cloud-systems-management/iox/tsd-products-support-series-home.html>

- Cisco IOx Developer information is found here:

<https://developer.cisco.com/docs/iox/>

## Caveats

Caveats describe unexpected behavior in Cisco IOS releases. Caveats listed as open in a prior release are carried forward to the next release as either open or resolved.

Caveats listed below are related to the IC3000 and do not include Field Network Director or IOx.

FND release notes are found here:

<https://www.cisco.com/c/en/us/support/cloud-systems-management/iot-field-network-director/products-release-notes-list.html>

IOx release notes are found here:

<https://www.cisco.com/c/en/us/support/cloud-systems-management/iox/products-release-notes-list.html>

**Note:** You must have a Cisco.com account to log in and access the Cisco Bug Search Tool. If you do not have one, you can [register for an account](#).

For more information about the Cisco Bug Search Tool, see the [Bug Search Tool Help & FAQ](#).

### Open Caveats

There are no open caveats for release 1.4.1.

## Closed Caveats

### ■ CSCvv09921

**Symptoms:** When the DHCP server is not reachable, the IC3000 management ip address will fall back to the Link Local Address 169.254.128.2. However, when the DHCP server is again reachable, there might be a big delay in getting an ip address. This is because the IC3000 exhausted sending out a series of DHCPDISCOVER. The IC3000 waits approximately 6+ minutes before sending out the next series of DHCPDISCOVER. The time required for the IC3000 to acquire an ip address depends on when DHCP server is available within this wait time.

### ■ CSCvz26432

Device goes down after approximately 30 min from coming up on FND.

### ■ CSCvs22370

Incorrect password change error message shown on local manager GUI.

## Communications, Services, and Additional Information

- To receive timely, relevant information from Cisco, sign up at [Cisco Profile Manager](#).
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- To submit a service request, visit [Cisco Support](#).
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The Cisco implementation of TCP header compression is an adaptation of a program developed by the University of California, Berkeley (UCB) as part of UCB's public domain version of the UNIX operating system. All rights reserved. Copyright © 1981, Regents of the University of California.

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Model Driven Telemetry - gRPC Dial-Out: Expands existing Model Driven Telemetry capabilities with the addition of gRPC protocol support and Dial-Out (configured) telemetry subscriptions.

YANG Data Models: For the list of Cisco IOS XE YANG models available navigate to:

<https://github.com/YangModels/yang/tree/master/vendor/cisco/xe/>

Revision statements embedded in the YANG files indicate if there has been a model revision. The README.md file in the same GitHub location highlights changes that have been made in the release.

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