

Installation Guide for Cisco Industrial Network Director, Release 1.0.x

Last Updated: December 19, 2016

First Published: September 21, 2016

This installation guide contains the latest information about installing the Cisco Industrial Network Director (IND) application on a Microsoft Windows Operating System (OS) and details accessing the application after installation.

Organization

This guide includes the following sections:

- [Conventions](#)
- [System Requirements](#)
- [Installation Notes](#)
- [Logging in to Cisco IND Application](#)
- [Installing IND Device Packs](#)
- [Uninstall Process for IND Application](#)

Conventions

This document uses the following conventions.

Conventions	Indication
bold font	Commands and keywords and user-entered text appear in bold font .
<i>italic font</i>	Document titles, new or emphasized terms, and arguments for which you supply values are in <i>italic font</i> .
[]	Elements in square brackets are optional.
{x y z }	Required alternative keywords are grouped in braces and separated by vertical bars.
[x y z]	Optional alternative keywords are grouped in brackets and separated by vertical bars.
string	A nonquoted set of characters. Do not use quotation marks around the string or the string will include the quotation marks.
courier font	Terminal sessions and information the system displays appear in courier font.
< >	Nonprinting characters such as passwords are in angle brackets.
[]	Default responses to system prompts are in square brackets.
!, #	An exclamation point (!) or a pound sign (#) at the beginning of a line of code indicates a comment line.

Note: Means *reader take note*. Notes contain helpful suggestions or references to material not covered in the manual.

System Requirements

Table 1 System Requirements for the IND Application

Desktop Requirements	Minimum Requirement
Windows Operating System (OS)	Windows 7 or Windows 10
Browser	Chrome: Version 50.0.2661.102 or later Firefox: Version 46.01 or later
CPU	Dual Core 2.4Ghz
RAM	8 GB
Storage	50 GB

Installation Notes

1. Download the Cisco Industrial Network Director (IND) software package from Cisco.com to your system from the Cisco Download Software page <https://software.cisco.com/download/navigator.html> by following the path below to the IND software:

Products > Cloud and Systems Management > IoT Management and Automation > Cisco Industrial Network Director

IMPORTANT: Before you install the IND software package, confirm that:

- No other FTP server is running and listening on port 21
- Ensure the following ports are open for both inbound and outbound traffic on the firewall:
 - TCP Ports 8443, 443, 80, 21, 50000-50050
 - UDP Port 30162
- 2. Double-click the installer file (for example, *ind-1.0.0.-254.installer*) or **Download** button to begin installation of the IND application on your system.
- 3. At the Setup Wizard screen that appears, click **Next**.
- 4. At the License Agreement page, click the **I accept the agreement** radio button; and, then click **Next**.
- 5. At the Installation Directory page, click **Next** to confirm the destination directory (default or user-selected).
- 6. At the Ready to Install screen, click **Next** to begin installation of the IND application on your system.

IMPORTANT: When Setup completes, a window appears with:

- Your initial login information: Username and Password
- URL for the Application
 - Be sure to capture this information, **before** you exit the screen by selecting **Finish**.

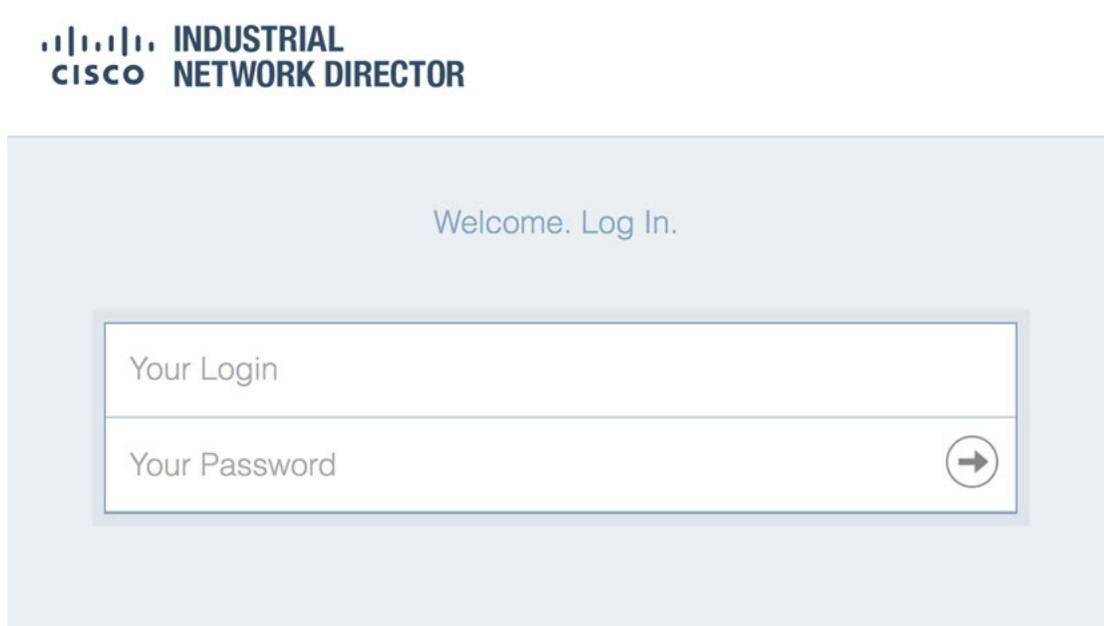
Logging in to Cisco IND Application

Note: Please wait approximately 8 minutes for the system to boot up after an initial install, upgrade or restart, before you log in to the user interface.

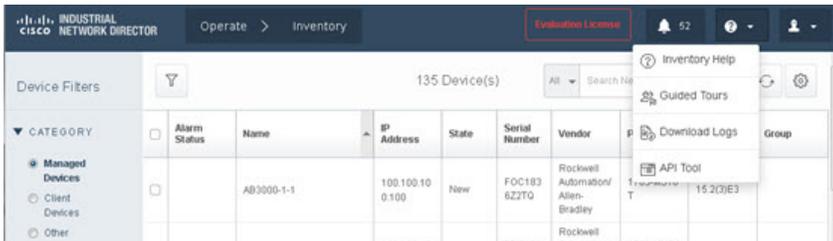
IND is a server application and it can be accessed by any client machine that has connectivity to the system where IND was installed.

Chrome and Firefox are supported browsers. See [System Requirements](#).

1. On the client machine, open your browser window.
2. Enter the URL `<https://a.b.c.d:8443>` provided at the end of the IND install, where `<a.b.c.d>` is the IP address of the system where IND was installed.
3. At the log in window that displays, enter the initial Login and Password values provided at completion of the application install.

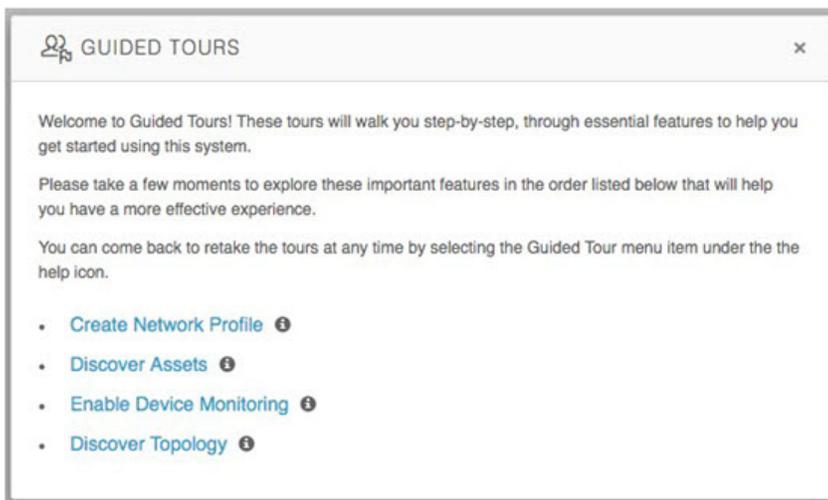


4. Click the arrow. A window appears requesting you to define a new password.
5. After you define a new password, the application automatically logs you out. You must reenter your login and password to reenter the application.
6. When you successfully log in to the system, the Cisco Active Advisor pop up appears.
 - To learn more about Cisco Active Advisor, click **Learn More**. The **Settings > System Settings > Cisco Active Advisor** page opens. To return to the IND application, click on **Industrial Network Director** in the top left of the page.
 - To proceed directly to IND, click **Not Now**.
7. When the IND opens, the **Operate > Inventory** page appears.



8. To set up the system:

- a. Click on the Online Help question (?) mark icon in the top right-hand corner of the screen to display menu options.
- b. Click on **Guided Tours**. Follow the instructions in the Guide Tours pop-up to setup the system.



Installing IND Device Packs

Note: IND Device Packs can only be installed with the IND application that has a matching *version* number, and the *release number* **must be** the same or greater than the IND release number.

For example, in release 1.0.1-3, 1.0.1 is the version number and 3 is the release number.

A new device pack must be version 1.0.1 and the release must be 3 or higher.

Note: You can verify the Device Pack version and PID at the **Settings > Device Pack** page.

Installation Options

You can install the IND Device Pack through the IND Application Web User Interface **or** directly from an executable file present on the Windows system on which the IND Application is installed. The benefit of installing the device pack through the Web User Interface is that the device support is available immediately without having to restart the IND application.

Option 1: To install the Device Pack using the IND Application User Interface:

1. Choose **Settings > Device Pack** page.

The page displays the current version and release number of the installed Device Pack, when it was installed, and the PID list.

2. To install a new Device Pack, click **Install New Device Pack**. Browse the IND device pack executable list, select the desired device pack, and click **Upload and Install**.

When installation is complete, support for the new devices is available immediately on the IND application. No restart of the application is required.

Option 2: To install the Device Pack executable file directly from the Windows system:

1. Click on the executable file to start installation of the Device Pack.
2. When installation successfully completes, restart the Cisco IND application to activate the new Device Pack.

Uninstall Process for IND Application

On your system:

1. Go to the Control Panel, choose **Programs > Uninstall a Program > Programs and Features**.
2. In the panel that appears, double-click **Cisco Industrial Network Director**.
3. At the uninstall confirmation window, click **Yes**. A window appears showing removal of the files.
4. When the uninstall completes, a window appears confirming completion.

