



Cisco IoT Essentials for System Engineers v1.0 (700-821)

Exam Description: Cisco IoT Essentials for System Engineers v1.0 (IOTSE 700-821) exam tests a candidate's knowledge of Cisco Industrial Ethernet Switching, Cisco Industrial Ethernet Switching Management Options, Cisco Industrial Wireless, Cisco Remote and Mobile Assets Hardware, and Cisco Remote and Mobile Assets Software. The course IoT Essentials Technical helps candidates to prepare for this exam.

The following topics are general guidelines for the content likely to be included on the exam. However, other related topics may also appear on any specific delivery of the exam. To better reflect the contents of the exam and for clarity purposes, the guidelines below may change at any time without notice.

- 25%** **1.0** **Cisco Industrial Ethernet Switching**
 - 1.1 Describe the Industrial Switches Portfolio
 - 1.2 Describe the capabilities of Industrial Switches
 - 1.3 Describe the power supply options for Industrial Switch

- 25%** **2.0** **Cisco Industrial Ethernet Switching Management Options**
 - 2.1 Describe the functionality of IE Device Manager
 - 2.2 Describe the capabilities of IND software
 - 2.3 Explain how to manage Industrial Switches by Cisco DNA Center

- 25%** **3.0** **Cisco Industrial Wireless**
 - 3.1 Describe the capabilities of IW3702
 - 3.2 Describe the capabilities of IW6300
 - 3.3 Describe the capabilities of ESW6300

- 10%** **4.0** **Cisco Remote and Mobile Assets Hardware**
 - 4.1 Describe the Cisco IOT gateway portfolio
 - 4.2 Explain the functionality of IR1101, IR829, IR809

- 15%** **5.0** **Cisco Remote and Mobile Assets Software**
 - 5.1 Describe the IoT Management platforms
 - 5.2 Explain the IoT Operations Dashboard
 - 5.3 Deploy and manage IoT Gateways with the IoT Operations Dashboard