



Cisco IoT Essentials for System Engineers v2.1 (700-821)

Exam Description: Cisco IoT Essentials for System Engineers v2.1 (IOTSE 700-821) is a 60-minute exam. This exam tests a candidate's knowledge of Cisco Industrial Ethernet Switching, Cisco Industrial Wireless, Cisco Industrial Routing, and Cisco IoT Operations Dashboard. 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.

30% 1.0 Cisco Industrial Ethernet Switching

- 1.1 Describe the Industrial Switches Portfolio
- 1.2 Describe the capabilities of Industrial Switches
- 1.3 Explain the power supply options for Industrial Switch
- 1.4 Explain the management options for Industrial Switch

20% 2.0 Cisco Industrial Wireless

- 2.1 Describe the capabilities of IW6300
- 2.2 Describe the capabilities of IW9167
- 2.3 Describe Cisco Ultra-Reliable Wireless Backhaul Solution

25% 3.0 Cisco Industrial Routing

- 3.1 Describe the Industrial Routing and gateway portfolio
- 3.2 Explain the functionality of Industrial Routers and Gateways
- 3.3 Explain the SDWAN support on IR routers

25% 4.0 Cisco IoT Operations Dashboard

- 4.1 Describe the functionality and architecture of the IoT Operations Dashboard
- 4.2 Explain Edge Device Manager and how to deploy and manage routers and gateways with EDM
- 4.3 Describe the architecture of Secure Equipment Access