

Introduction to the Internet of Things 2.0 Scope and Sequence

Last Updated August 21, 2018

Chapter Outline

Table 1. Chapter Outline

Chapter /Section	Goals/Objectives
Chapter 1. Everything is Connected.	Explain the meaning and impact of Digital Transformation.
1.1 Digital Transformation	Explain how digital transformation affects business, industry, and our daily lives.
1.2 Devices that Connect to the IoT	Configure an IoT device to connect to the network.

Chapter /Section	Goals/Objectives
Chapter 2. Everything Becomes Programmable	Apply basic programming to support IoT devices.
2.1 Apply basic programming to support IoT devices.	Use Python to create programs that accept user input and read and write to external files.
2.2 Prototyping Your Idea	Explain prototyping and its purpose.
Chapter 3. Everything Generates Data	Explain how data provides value to Digital Business and Society.
3.1 Big Data	Explain the concept of Big Data.
Chapter 4. Everything can be Automated	Explain the benefits of automation in the digitized world.
4.1 Digitization allows business processes to embrace automation	Explain how digitization allows business processes to embrace automation.
Chapter 5. Everything Needs to be Secured	Explain the need for enhanced security in the digitized world.
5.1 Security in the Digitized World	Explain why security is important in the digitized world..
Chapter 6. Educational and Business Opportunities	Discover opportunities provided by digital transformation.
6.1 Where Can I Go From Here?	Explain the challenges and opportunities that exist in the digitized world.



Americas Headquarters

Cisco Systems, Inc.
San Jose, CA

Asia Pacific Headquarters

Cisco Systems (USA) Pte. Ltd.
Singapore

Europe Headquarters

Cisco Systems International BV Amsterdam,
The Netherlands

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at www.cisco.com/go/offices.

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)