

IoT Services

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Chapter 1. Apple TV

Chapter 2. Best Practices for IoT Devices

The IoT service is designed for devices that are unable to log in to Wi-Fi with your Internet ID and password. These are some best practices when registering and using IoT devices on the University Wi-Fi network:

- Any device that is capable of using eduroam should use eduroam. Eduroam is more secure because it has a higher level of encryption.
- Personal device registration expires after one year and **registration must be renewed to continue service**. Devices are automatically removed from the registration database unless they are renewed.
- Regular software updates on IoT devices are recommended.
- If the IoT device asks you to choose a channel when connecting to Wi-Fi, select 5GHz if able.
- If a device uses MAC address randomization that feature should be disabled otherwise the device may not be able to connect to Wi-Fi.

Chapter 3. Connecting Your Device to Encrypted IoT Service

Chapter 4. Convert a Legacy Device

Chapter 5. Converting Your IoT Device from Legacy Unencrypted Service to Encrypted Service

Chapter 6. Encrypted Service

- Uses UofM-IoT SSID
- Better security with encrypted Wi-Fi traffic
- Easier setup process
- Supports more device types
- Requires device registration and a password (also known as a pre-shared key or PSK)

Chapter 7. Internet of Things (IoT) Service Options

At the University of Minnesota, personal and departmental Internet of Things (IoT) devices can be registered for the Wi-Fi service. The current IoT service option is the Encrypted Service.

Chapter 8. Register and Connect to the Encrypted Service

Chapter 9. Registering a Personal Device for Encrypted IoT Service

Chapter 10. Step 1: Find the wireless MAC address

Chapter 11. Step 2: Register the device for the Encrypted IoT Service

Chapter 12. Step 3: Connect to the Encrypted IoT WiFi Service

Chapter 13. Step 4: Check any Known Device Issues

Chapter 14. Understand the Internet of Things (IoT) Services

Chapter 15. Which devices can be registered for IoT Service

Chapter 16. Wireless Printers