



Managing Device Network Settings

Managing Wi-Fi Networks
Configuring Network Settings
VPN Configuration

Wi-Fi Configuration

Practical Exercise

Enterprise Authentication

Lecture

WPA2/3 Enterprise

- WPA2/3 Enterprise authentication uses a RADIUS server for authentication.
- 802.1X Supported authentication protocols:
 - EAP-TLS
 - EAP-TTLS (MSCHAPv2)
 - EAP-FAST
 - EAP-AKA
 - EAP-SIM (carrier only)
 - PEAPv0 (EAP-MSCHAPv2)
 - PEAPv1 (EAP-GTC)

Connection Options

- ✦ Manually
- ✦ Via MDM Configuration Profile
 - ✦ Ensure the certificate from the RADIUS server is from a CA trusted by Apple's OSes, or...
 - ✦ Use a configuration profile to provide a certificate to establish trust of the RADIUS server cert.
 - ✦ Recommended to put these into separate configuration profiles.

Connectivity Using SCEP & ACME

Lecture

Wi-Fi Connectivity Using SCEP

- ✦ Allows for automatic connectivity of devices to Wi-Fi networks using Simple Certificate Enrollment Protocol (SCEP).
- ✦ The SCEP payload allows an organization to support certificate identity authentication.
- ✦ Configuring SCEP allows devices to connect to the SCEP server to retrieve the required certificate(s).

Wi-Fi Connectivity Using ACME

- ✦ Allows for automatic connectivity of devices to Wi-Fi networks using Automated Certificate Management Environment (ACME).
- ✦ Similar to SCEP but the modern version.
- ✦ The ACME payload allows an organization to support certificate identity authentication.
- ✦ Configuring ACME allows devices to connect to the ACME server to retrieve the required certificate(s).
- ✦ If your MDM is using Managed Device Attestation, you must use ACME.

Proxy Configuration

Practical Exercise

VPN Configuration

Practical Exercise