Business Technologies
Secure Mobility

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Secure Mobility Problem/Solution

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Secure Mobility Problem Characteristics

- Mobile users
  - Smart phones
  - Tablet devices
  - Netbooks/Ultrabooks/Laptops
- End of XP
- Consumers (end users) are driving IT
  - Consumers KNOW how it should work!
- But, IT still needs to secure corporate data

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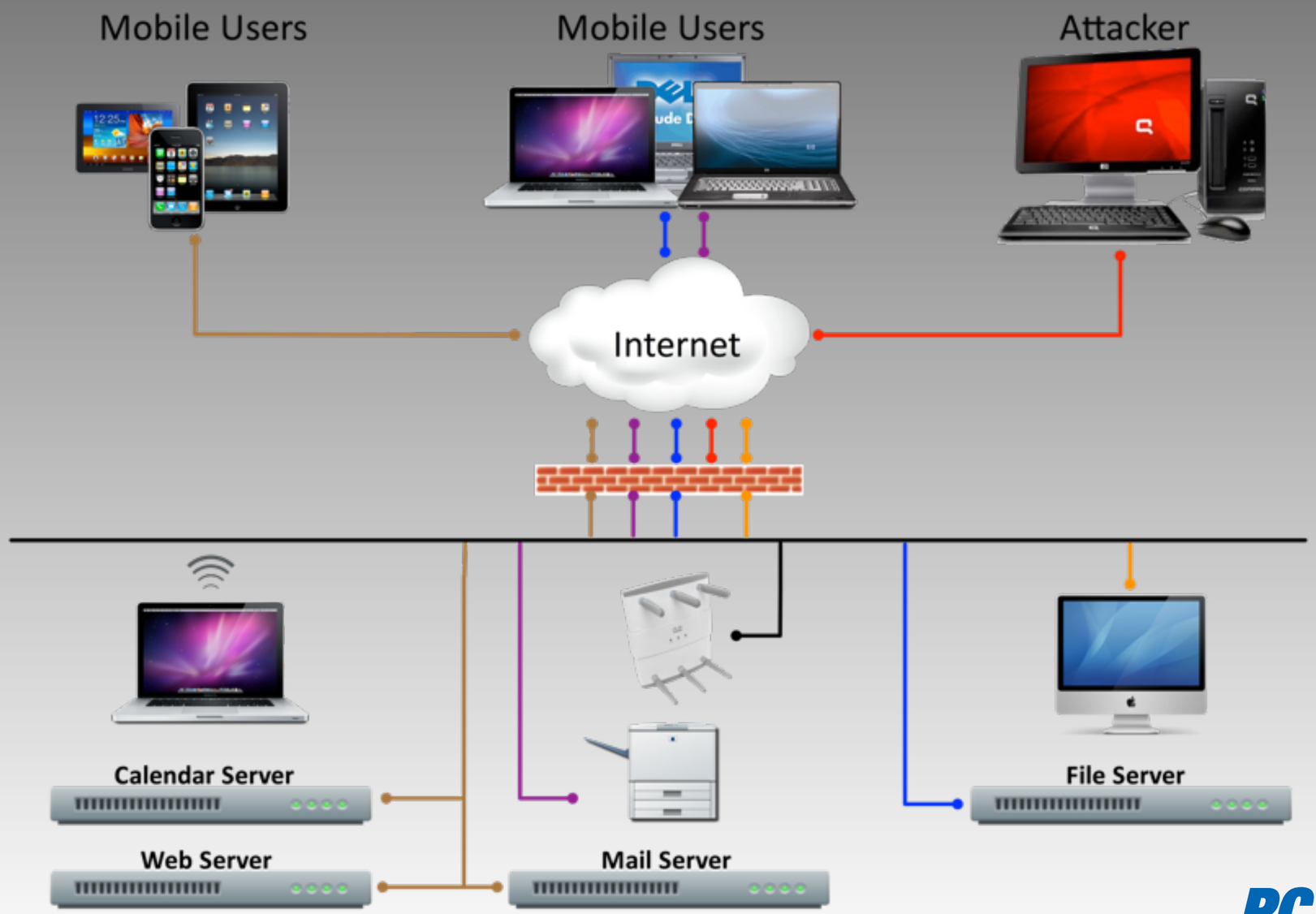
Problem...



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Solution Characteristics

- Secure the infrastructure
- Split DNS
- Certificates
- VPN
- Web-based file-sharing
- No directory binding

Services

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http://support.apple.com/kb/HT5012

How Certificates Work - BASIC

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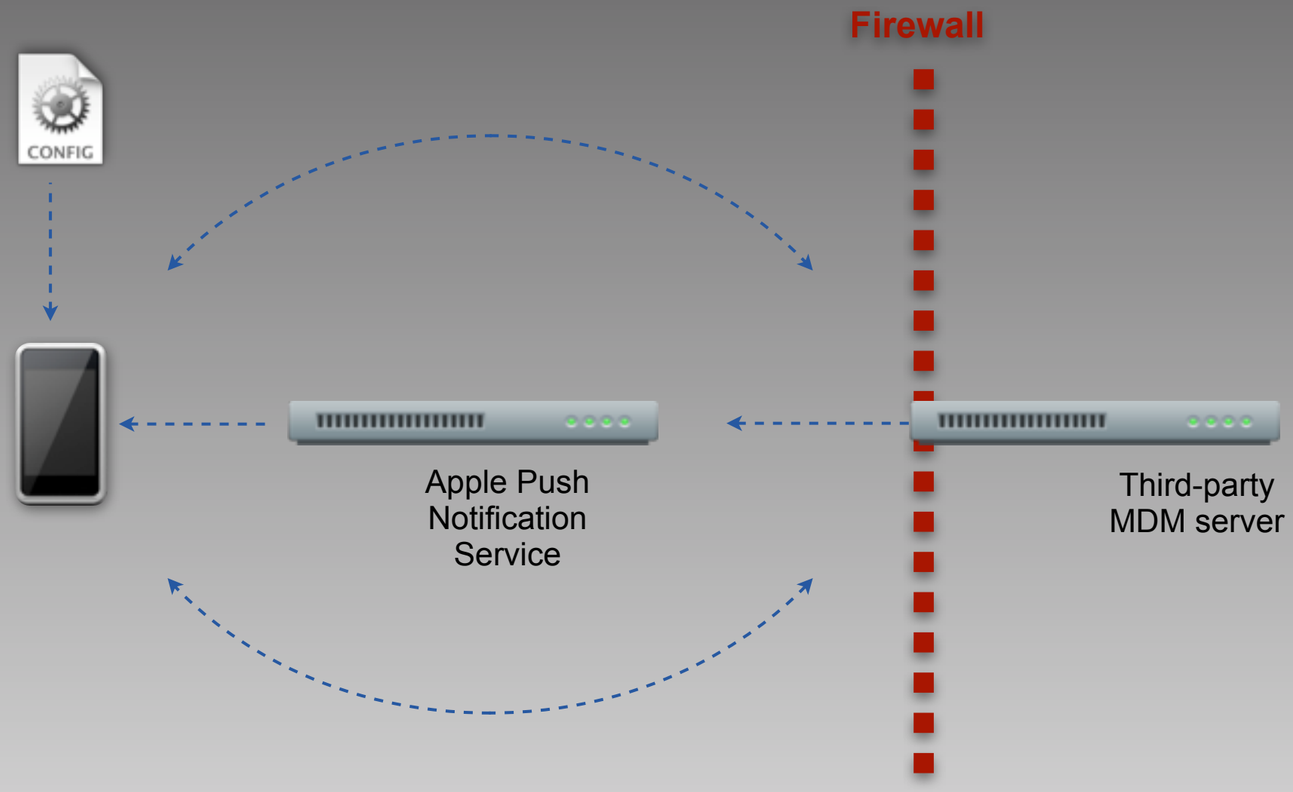
1. A Configuration Profile containing MDM server information is sent to the device.
   User is presented with information on what will be managed or queried by the server.
2. User installs profile to opt-in to device being managed.
3. Device enrollment takes place as the profile is installed. The server validates device and allows access.
4. Server sends push notification prompting device to check in for tasks or queries.
5. Device connects directly to server over HTTPS. Server sends down commands or requests information.



Mobile Device Management

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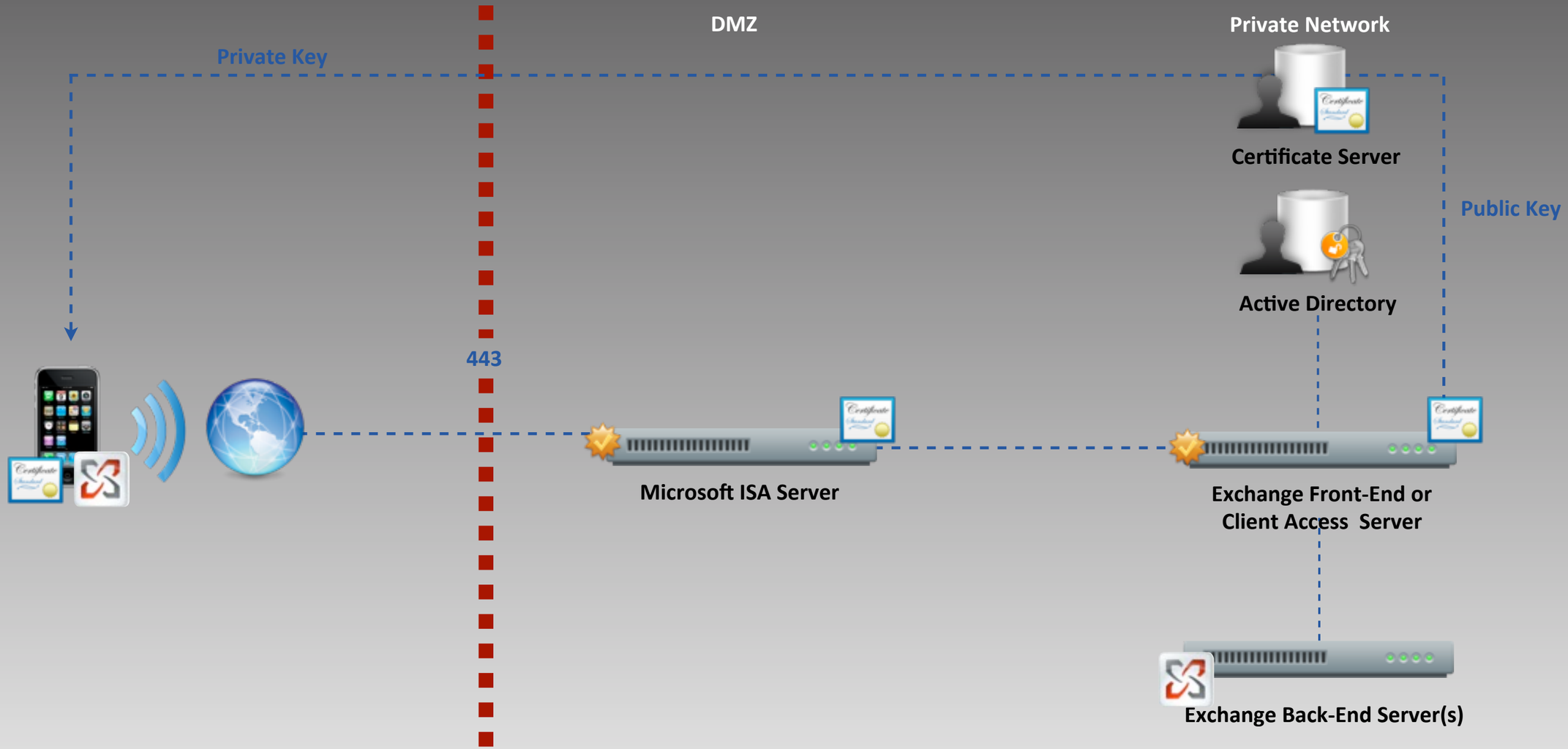

Microsoft Exchange ActiveSync

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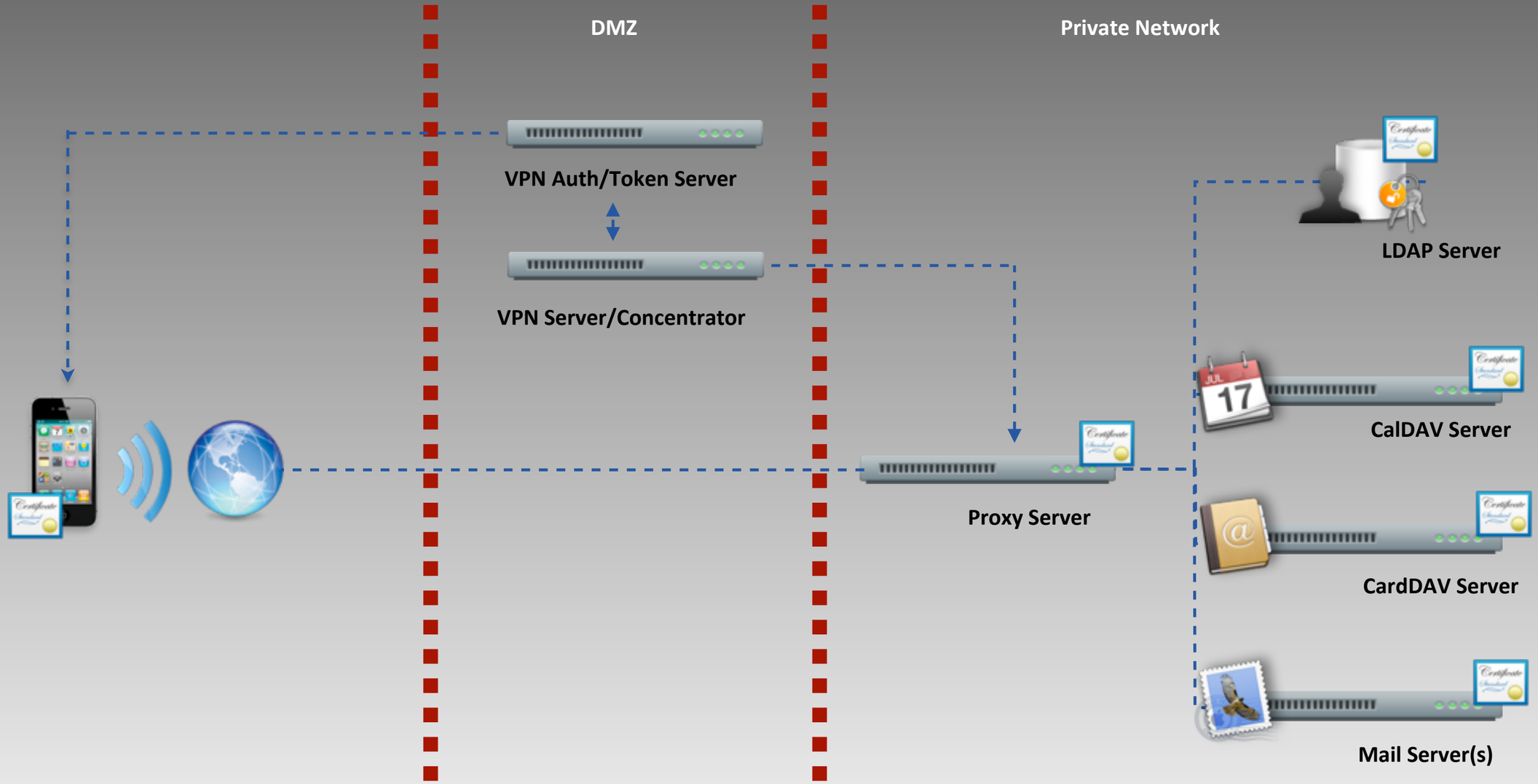
Deployment example



Open-Standards Collaboration

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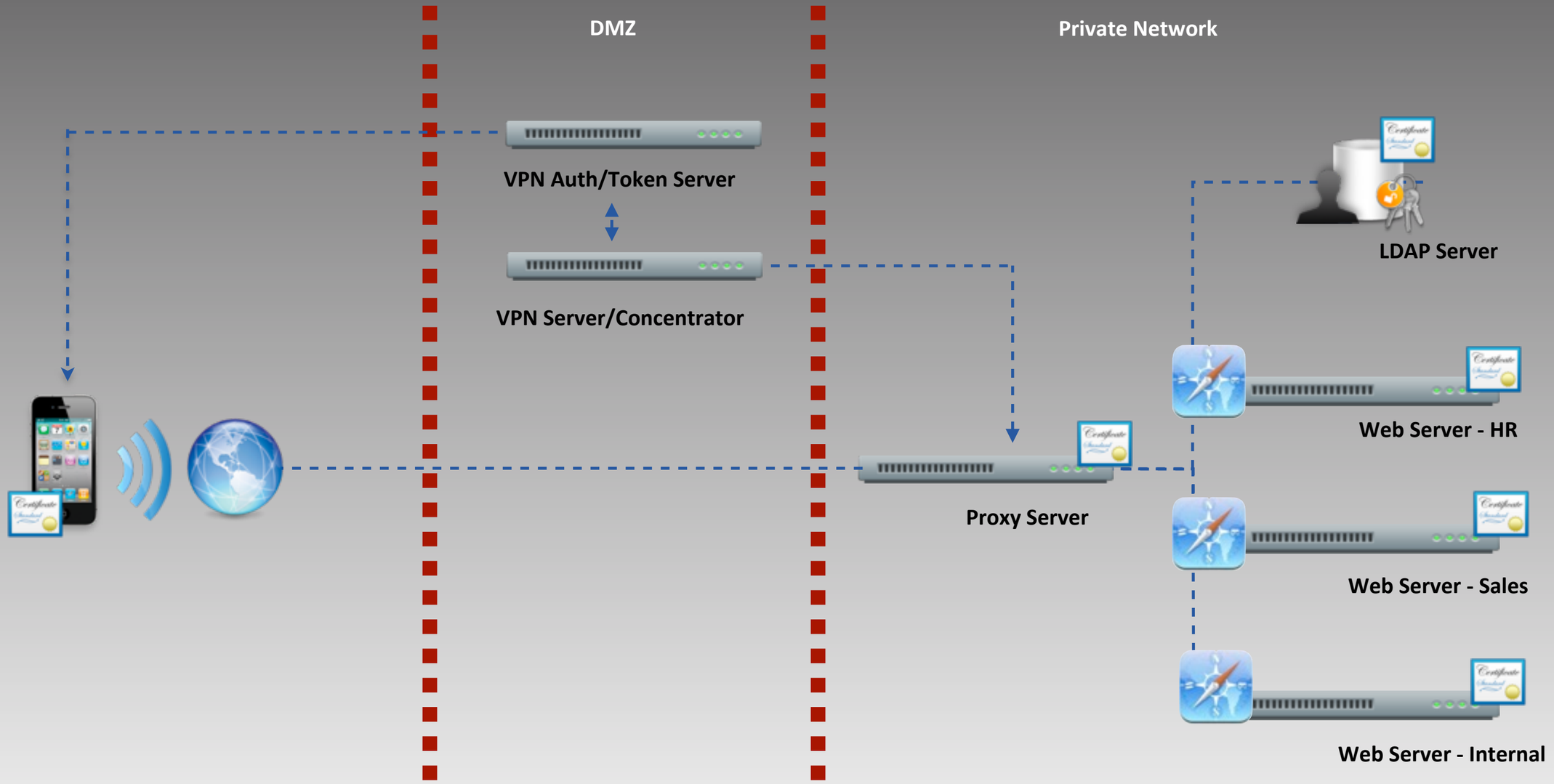

Web Server

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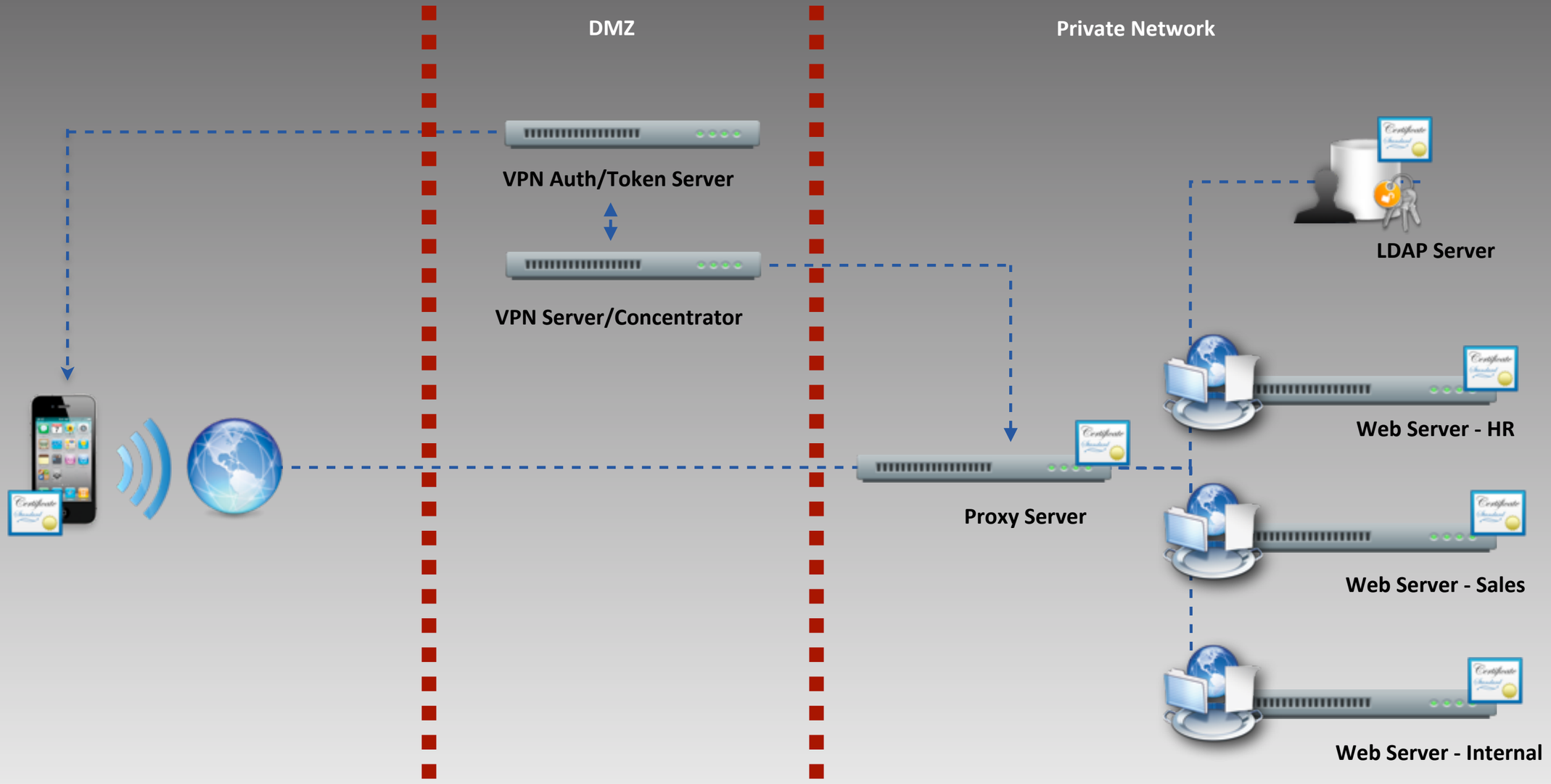

File Server

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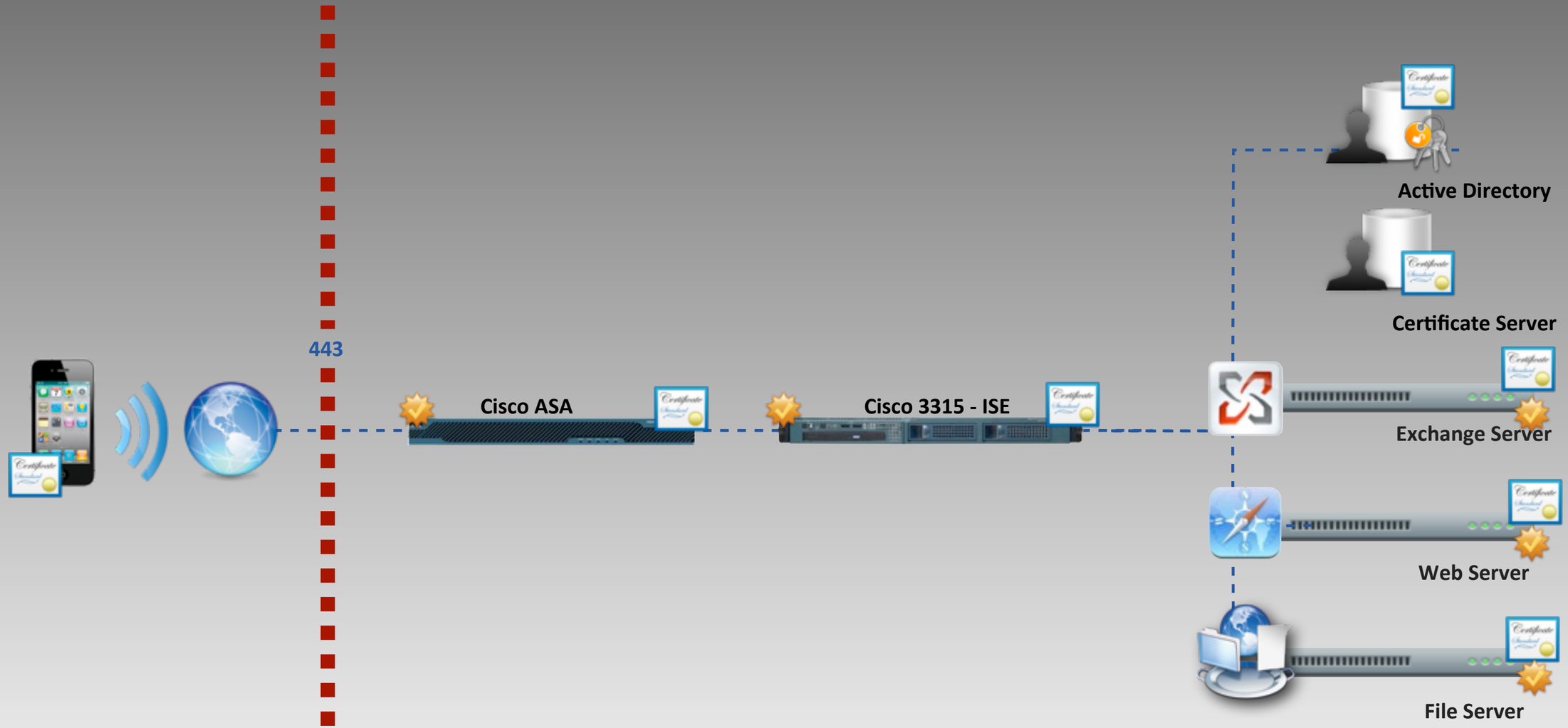

How it Works

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Configure

Enroll

Query

Manage

Mobile Device Management

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MDM Tiers

- Tier 0 - Manual, on the device itself
- Tier 1 - iPCU or Apple Configurator, tethered
- Tier 2 - Profiles distributed via email or HTTP
- Tier 3 - Profile Manager (Mountain Lion Server), over-the-air updates
- Tier 4 - 3rd party MDM (needed for any MDM scenarios that are not all iOS)

Q & A