Introduction

Technology Use Case

Providing employees access to corporate network and services from a remote environment poses challenges for both the end user and IT operations. For the home-based teleworker, it is critical that access to business services be reliable and consistent, providing an experience that is as similar as sitting in a cubicle or office in the organization's facility. In addition, the solution must also support a wide range of teleworking employees who have varying skill sets, making it critical to have a streamlined and simplified way to implementdevices that allow for access to the corporate environment.

Cisco Aironet® 1815 Teleworker Access Point provides secure communications from a controller to an access point at a remote location, seamlessly extending the corporate WLAN over the Internet to an employee's residence. The user's experience at the remote location is the same as it would be at the corporate office. Datagram Transport Layer Security (DTLS) encryption between the access point and the controller ensures that all communications have the highest level of security.

Use Case:Teleworker with Wireless Devices

Teleworkers require always-on secure access to networked business services from a remote home office. Wireless access provides easy mobility and setup within the home office, and consistent device configuration allows for easy mobilitybetween the home office and on site at the corporate location.

This design guide enables the following network capabilities:

- Common wireless device configuration for onsite and teleworker wireless access
- Authentication through IEEE 802.1x for employees and encryption for all information sent and received to the organization's main location
- Simplified IT provisioning for the home office, which reduces setup time and supports varying levels of end-user skills
- Mobility and flexibility for voice endpoints at the teleworker location