

Enterprise System Controller



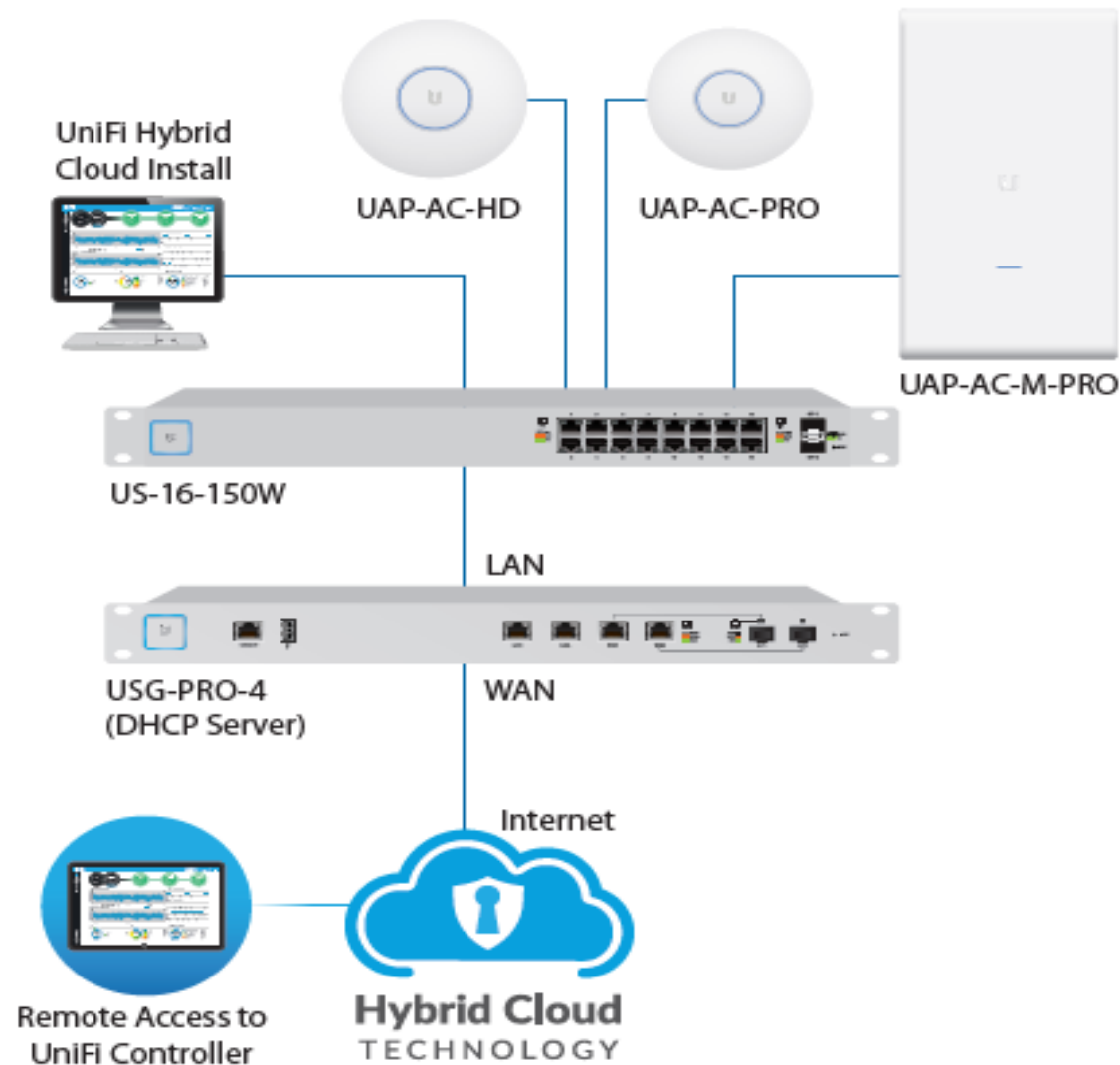
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Network Topology Requirements

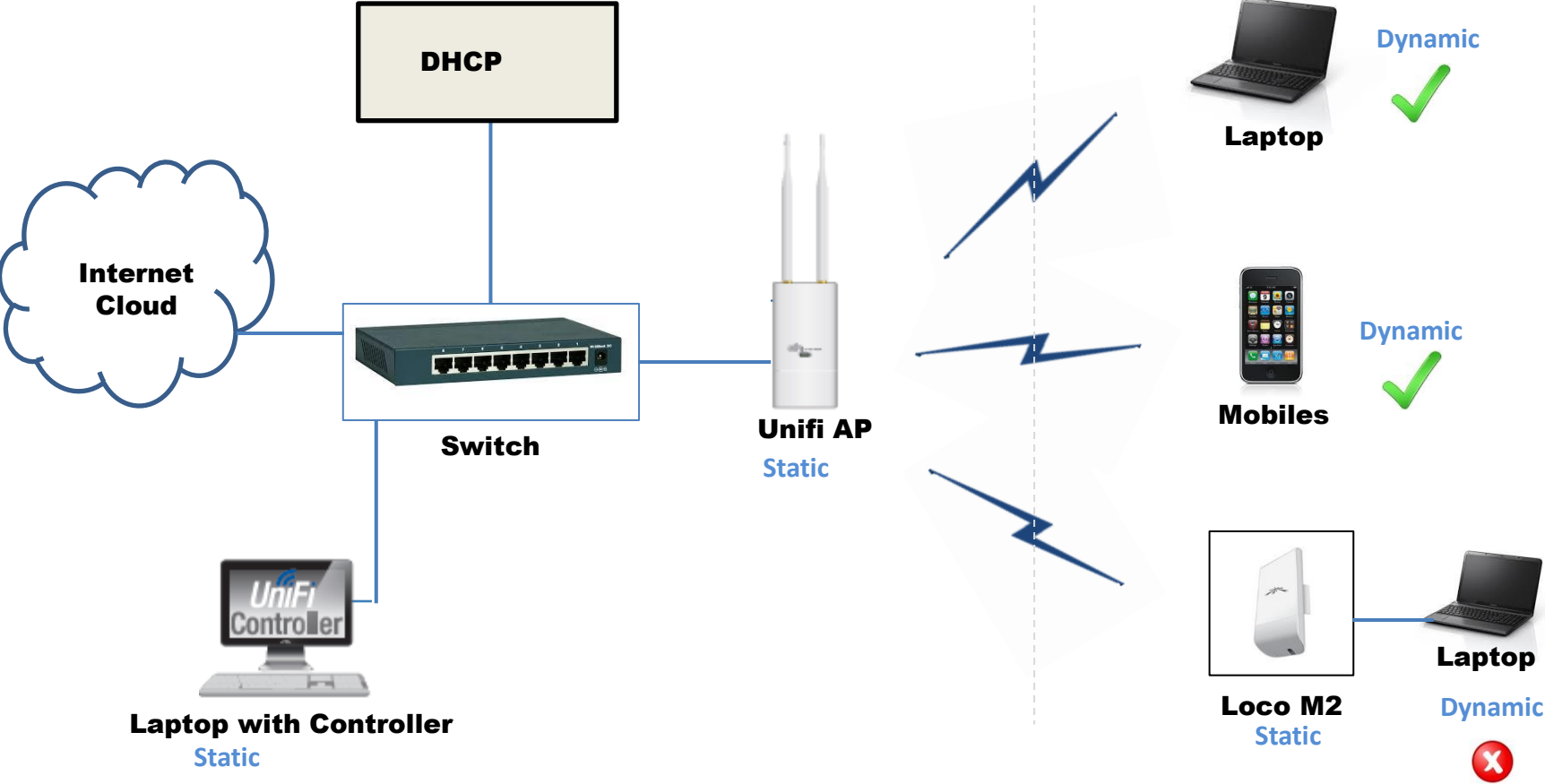
- A DHCP-enabled network (so any device can obtain an IP address)
- One of the following: UniFi Cloud Key
- A management station running the UniFi Controller software, located either on-site and connected to the same Layer-2 network, or off-site* in a cloud or NOC
- For the public address system capability of the UAP-AC-EDU: A compatible Android™ or iOS device located on the same Layer-2 network as the UniFi Controller and UniFi APs

Network Topology Requirements



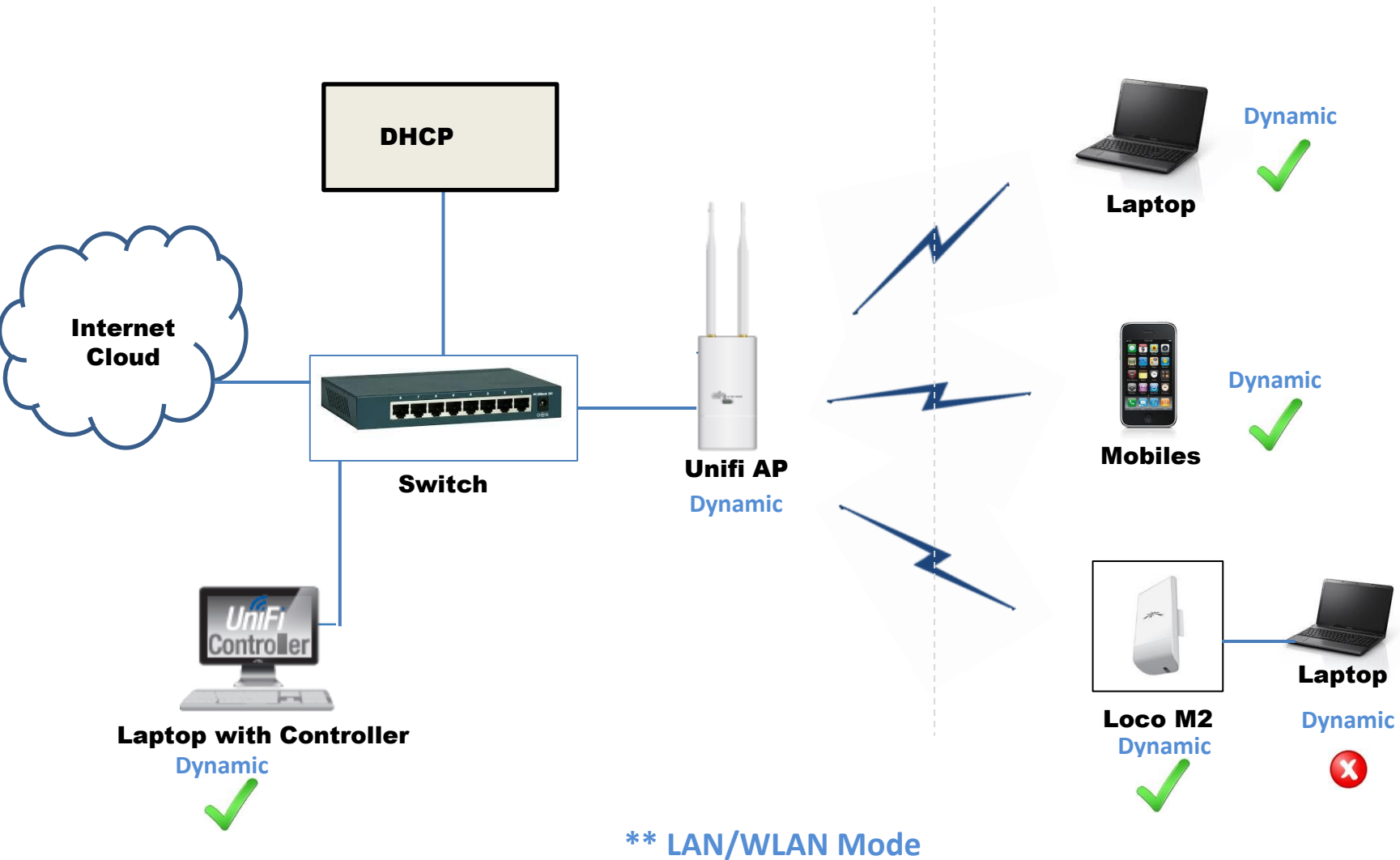
Sample Network Diagram

AP & CPE are on Static Mode



**** LAN/WLAN Mode**

AP & CPE are on Dynamic Mode



System Requirements

Linux, Mac OS X 10.11 (or above), or Microsoft Windows 7/8/10

Java Runtime Environment 1.8 or above recommended

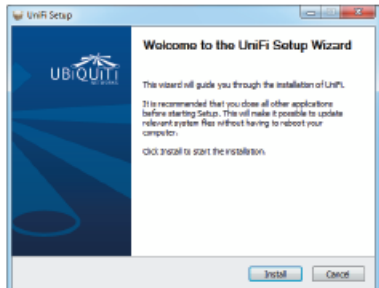
Web Browser: Google Chrome (Other browsers may have limited functionality.)

Software Installation

- Download the latest version of the UniFi Controller software at **downloads.ubnt.com/unifi**
- Follow the instructions for your specific computer or device type.
- **Linux Users**
- Please refer to the UniFi blog on our community site at: **<http://ubnt.link/UniFi-Blog>**
- **Mac Users**
Launch **UniFi.pkg**.

PC Users

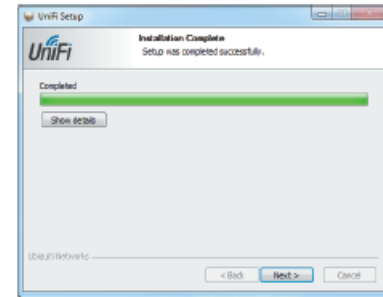
1. Launch **UniFi-installer.exe**.
2. Click **Install**.



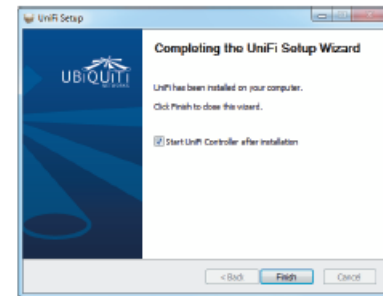
3. If your computer doesn't have Java 1.6 or above installed, you will be prompted to install it. Click **Install** to continue.



4. Click **Next**.



5. Ensure that the *Start UniFi Controller after installation* option is checked and click **Finish**.

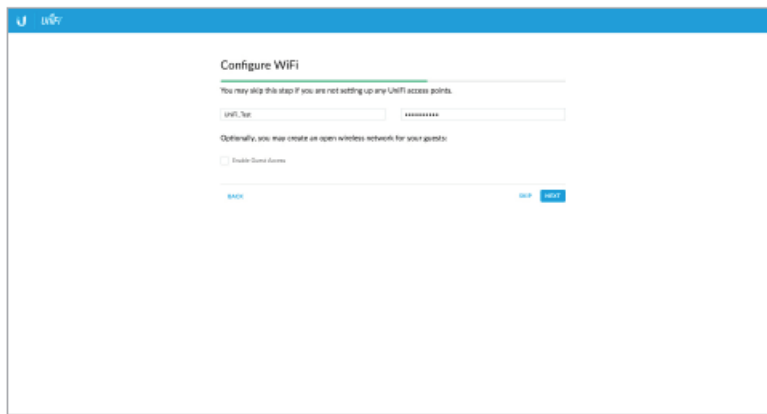


Note: The UniFi Controller software can also be launched from **Start > All Programs**.



Launching the controller

4. The UniFi Setup Wizard will create a secure primary wireless network for your devices.

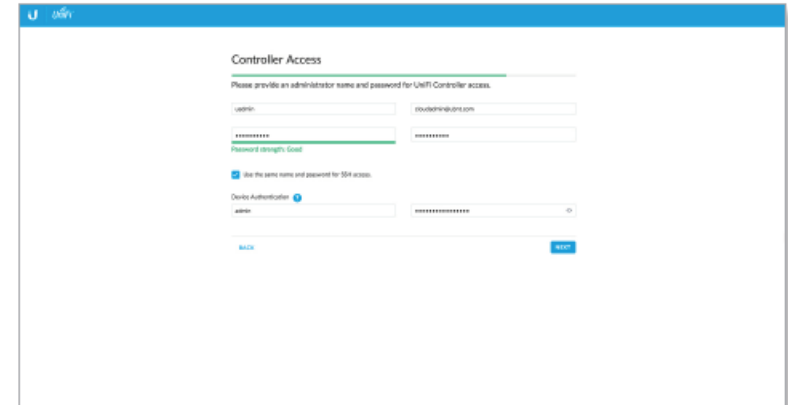


The screenshot shows the 'Configure WiFi' step of the UniFi Setup Wizard. It includes a title bar with the UniFi logo, a subtitle 'Configure WiFi', and a note: 'You may skip this step if you are not setting up any UniFi access points.' Below this, there are two input fields: 'WiFi SSID' and 'Security Key'. A checkbox labeled 'Enable Guest Access' is present. At the bottom, there are 'Back' and 'Next' buttons.

Perform the following steps:

- a. Enter the wireless network name (SSID) in the *Secure SSID* field.
- b. Enter a passphrase to be used for your primary network in the *Security Key* field.
- c. To enable guest access, select **Enable Guest Access**, and enter a guest network name in the *Guest SSID* field.
- d. Click **Next**.

5. Create the superadmin for your UniFi Controller.



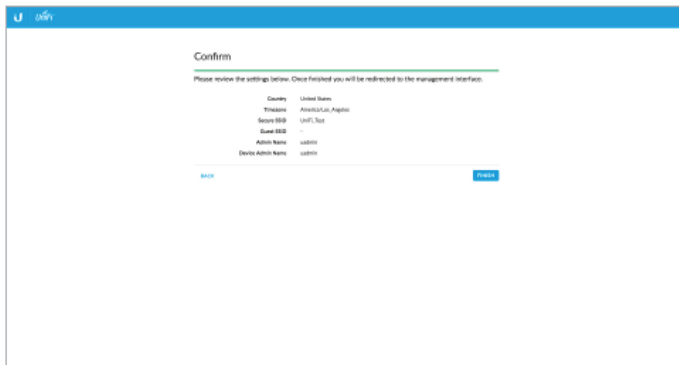
The screenshot shows the 'Controller Access' step of the UniFi Setup Wizard. It includes a title bar with the UniFi logo, a subtitle 'Controller Access', and a note: 'Please provide an administrator name and password for UniFi Controller access.' Below this, there are four input fields: 'Admin Name', 'Admin Email', 'Password', and 'Confirm Password'. A checkbox labeled 'Use the same name and password for SSH access' is present. At the bottom, there are 'Back' and 'Next' buttons.

Perform the following steps:

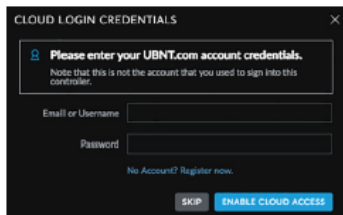
- a. Enter an admin name in the *Admin Name* field.
- b. Enter an email address in the *Admin Email* field.
- c. Enter a password in the *Password* field to use when accessing the management interface as a superadmin.
- d. Confirm your password in the *Confirm Password* field.
- e. To use the same login for SSH access, select **Use the same name and password for SSH access**.
- f. To set up a separate login for SSH access, enter an admin name and password for the *Device Authentication* fields.
- g. Click **Next**.

Launching the controller

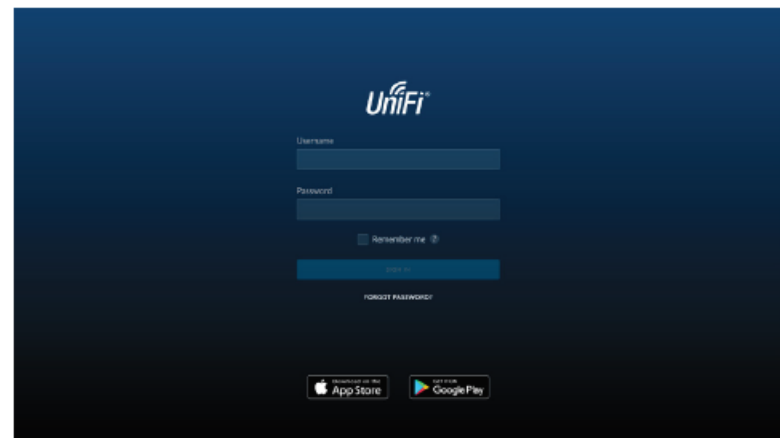
6. Review your settings. Click **Finish** to save your settings or click *Back* to make changes. Once the wizard is finished, the browser will be redirected to the *Cloud Login Credentials* screen.



7. Enter your Ubiquiti account email/username and password to enable cloud access. Alternatively, you can click **Register now** to create a Ubiquiti account. Click **Enable Cloud Access**.



8. A login screen will appear for the UniFi Controller management interface. Enter the admin name and password that you created and click **Sign In**.



Proceed to **“Using the UniFi Controller Software” on page 17** for information on using the UniFi Controller software.



Note: Only the superadmin and admins who have permission to adopt devices can view devices that are *Pending Approval* and then adopt them on the UniFi Controller. Ensure that you save the superadmin login information for future use.

Common Interface Options

The common interface options are accessible from all tabs in the UniFi interface.



Settings

The screenshot displays the UniFi web interface's Settings page. The top navigation bar is blue, featuring the UniFi logo, version 5.6.37, the current site 'Lasu OJO campuse', and the username 'emmanuel'. A left sidebar contains a vertical menu with icons and labels for various settings categories: Site, Wireless Networks, Networks, Routing & Firewall, Guest Control, Profiles, Services, Admins, User Groups, DPI, Controller, Notifications (marked BETA), SETTINGS (highlighted with a gear icon), Access, and Elite Device. The main content area is titled 'Site' and is divided into two sections. The 'SITE CONFIGURATION' section includes fields for 'Site Name' (Lasu OJO campuse), 'Country' (Nigeria), and 'Timezone' ((UTC+01:00) West Central Africa). The 'SERVICES' section lists several features with checkboxes: 'Advanced Features' (unchecked), 'Automatic Upgrades' (unchecked), 'LED' (checked), 'Alerts' (checked), 'Speed Test' (BETA, unchecked), 'Port Remapping' (BETA, unchecked), and 'Uplink Connectivity Monitor' (checked). The 'Speed Test' and 'Port Remapping' features have additional configuration options, including a time interval of 20 minutes and a 'USG' label. The 'Uplink Connectivity Monitor' section also includes an option for 'Enable automatic uplink failover'.

UniFi 5.6.37

CURRENT SITE Lasu OJO campuse

USERNAME emmanuel

SETTINGS

- Site
- Wireless Networks
- Networks
- Routing & Firewall
- Guest Control
- Profiles
- Services
- Admins
- User Groups
- DPI
- Controller
- Notifications BETA
- SETTINGS**
- Access
- Elite Device

Site

SITE CONFIGURATION

Site Name Lasu OJO campuse

Country Nigeria

Timezone (UTC+01:00) West Central Africa

SERVICES

Advanced Features ☐ Enable advanced features

Automatic Upgrades ☐ Automatically upgrade AP firmware

LED ☒ Enable status LED

Alerts ☒ Enable alert emails

Speed Test BETA ☐ Enable periodic speed test every 20 minutes ? USG

Port Remapping BETA ☐ Configure VOIP port as WAN2 on UniFi Security Gateway 3P USG

Uplink Connectivity Monitor ☒ Enable connectivity monitor and wireless uplink

☐ Enable automatic uplink failover ?

Hands on Labs

- We should install the controller
- Configure the basic settings
- Lunch an login
- Modify settings
- Create new site, additional ssid's, vlan's
- Device Adoption
- Additional modification of wireless settings

Acknowledgement

- This Document is base on a document from https://dl.ubnt.com/guides/UniFi/UniFi_Controller_V5_UG.pdf and <https://community.ubnt.com/ubnt/attachments/ubnt/UniFi/>

Thanks

