# Access Points

Ruckus Access Points

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# Ruckus Access Point LED Status

## Introduction

This section describes the physical LED status and descriptions of the Ruckus Access Points.

## LED Behaviour

If you believe an AP is not operating normally, checking the onboard LEDs can help you determine the AP behavior.

If wireless devices that are connected to your APs are experiencing connectivity issues, check the AP LEDs to determine if your APs are operating normally.

**Note:** In the following diagram, some newer APs display CTL instead of DIR for the LED, second LED from the left.

**Checking the AP LEDs to Determine if the AP is Operating Properly**




The following table describes the LEDs on the AP, how they behave, and what they mean.

AP LEDs and What They Mean

| LED | Color | Description |
|---|---|---|
| PWR | Solid green | The AP has received a local IP address from the DHCP server. |
| | Slow flashing green | A local network, DHCP, or VLAN issue has been detected. |
| DIR or CTL | Solid green | The AP is connected to the cloud controller. |
| | Fast flashing green | The AP is obtaining updates from the cloud controller. |
| | Slow flashing green | The AP is disconnected from the Internet. Check your network firewall settings. |

| LED | Color | Description |
| --- | --- | --- |
| 2.4G and 5GHz | Solid green | The network is up and at least one wireless client is associated with it. |
| | Solid orange | The network is up, but no clients are associated with it. |
| | Off | The network is down. |
| AIR | Always off | Not used |

# Upgrade Ruckus AP via SSH/FTP

## Introduction

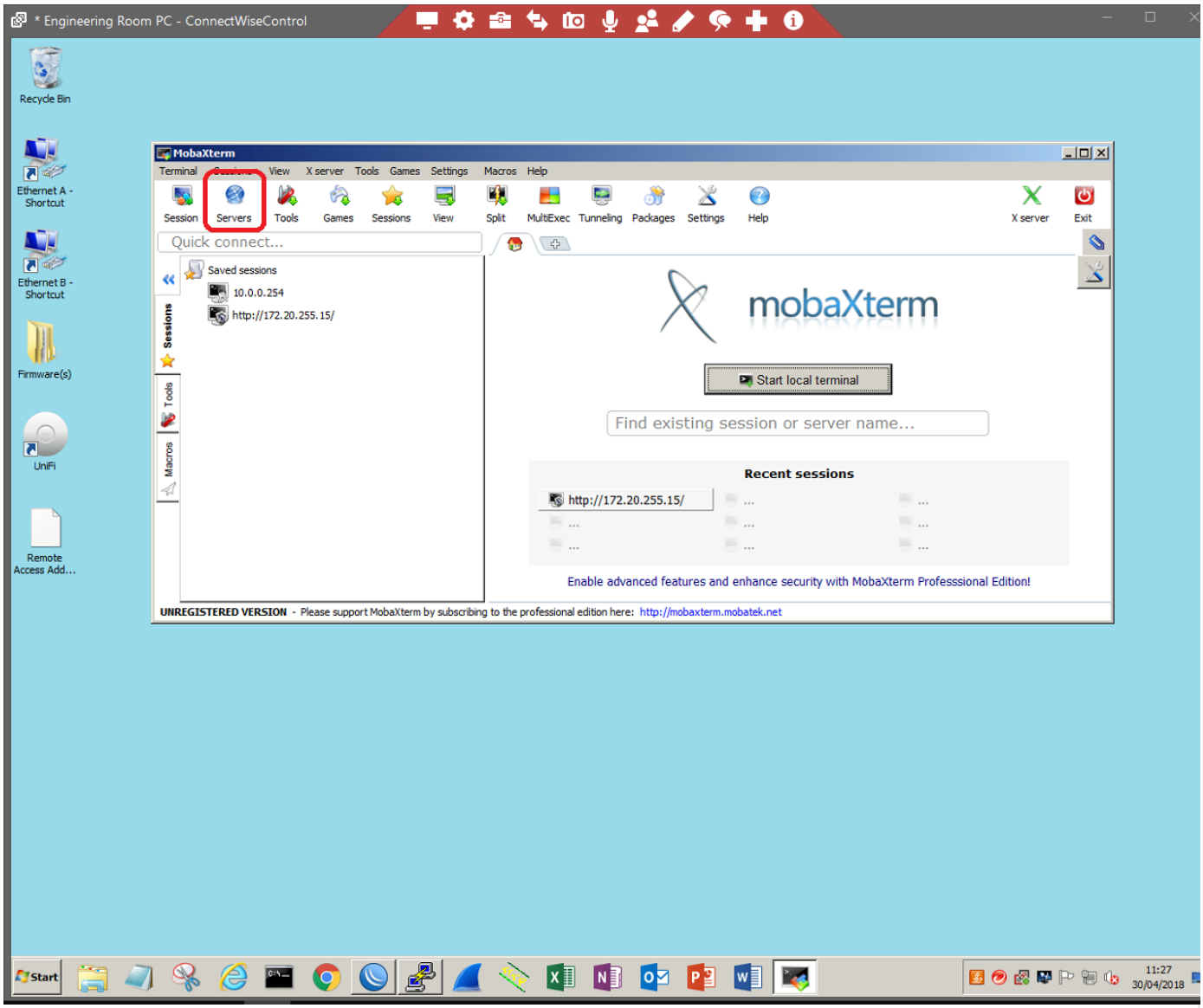
Should you have an issue upgrading a Ruckus AP's firmware via Web GUI, you can upgrade alternatively by using a combination of an SSH session and an FTP Server.

Putty - SSH Software: https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html

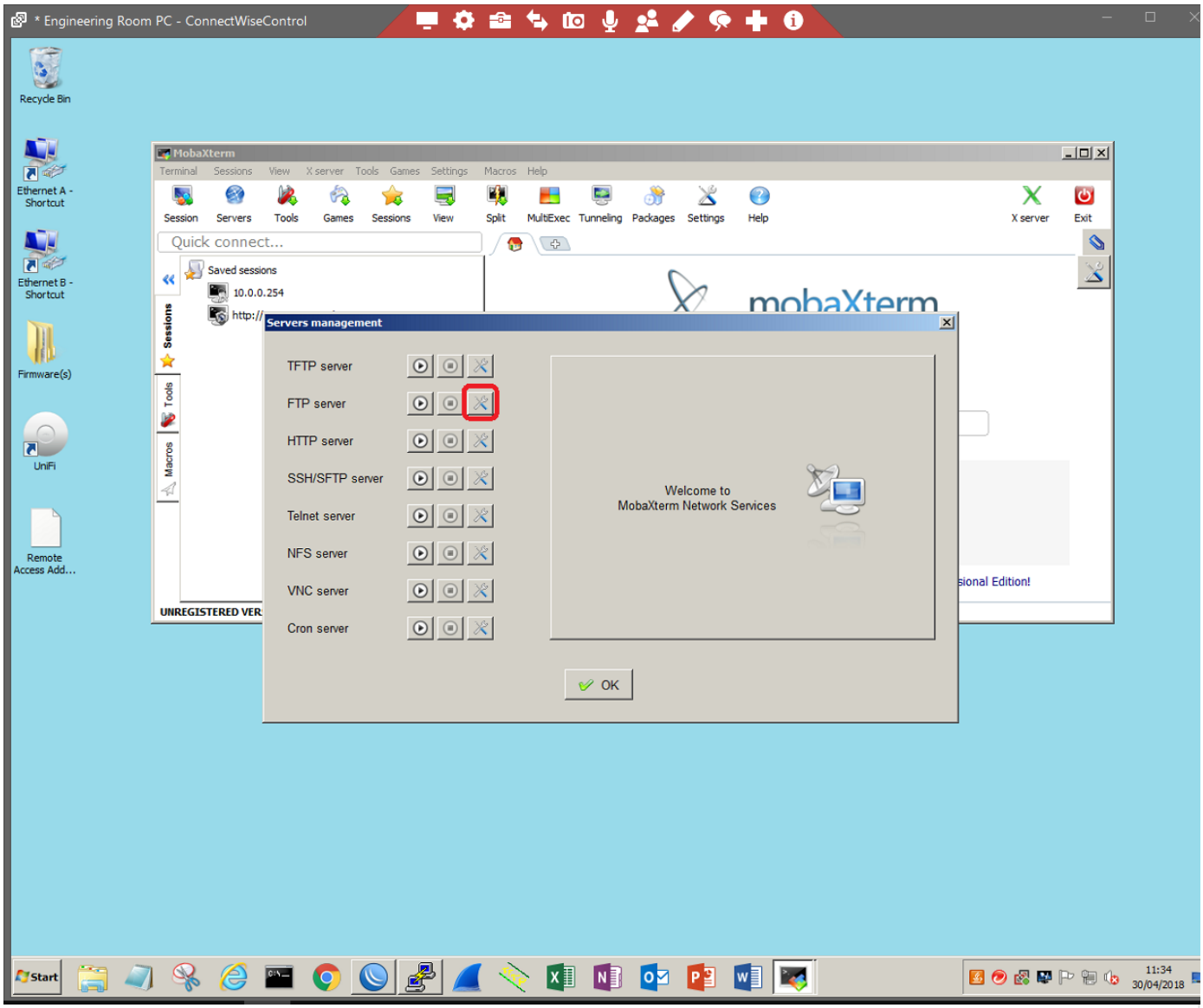
MobaXterm - FTP Software: https://mobaxterm.mobatek.net/download-home-edition.html

## Method (Stage 1)

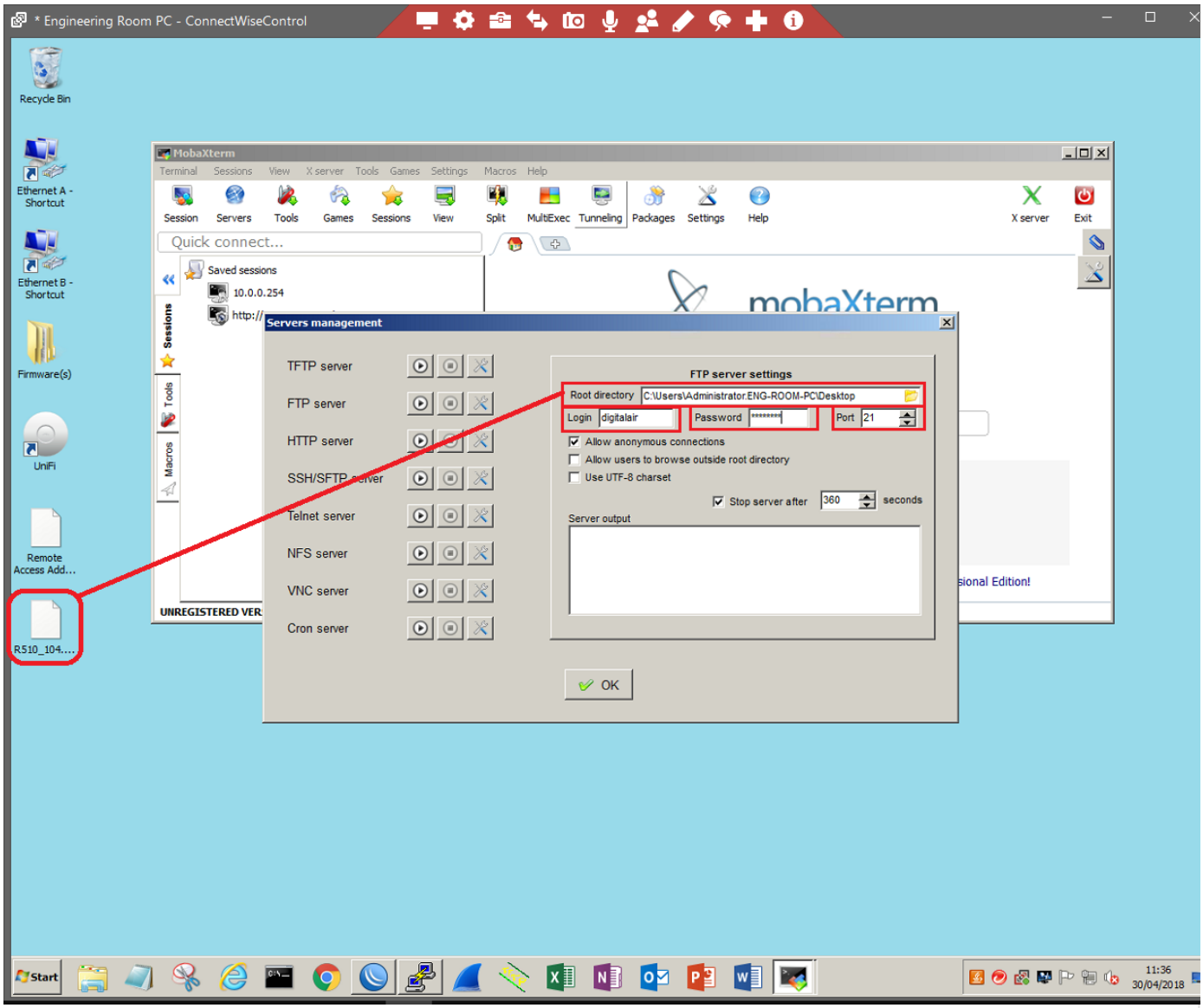
Start your FTP server. For the purpose of this document, we will be using MobaXterms FTP server.



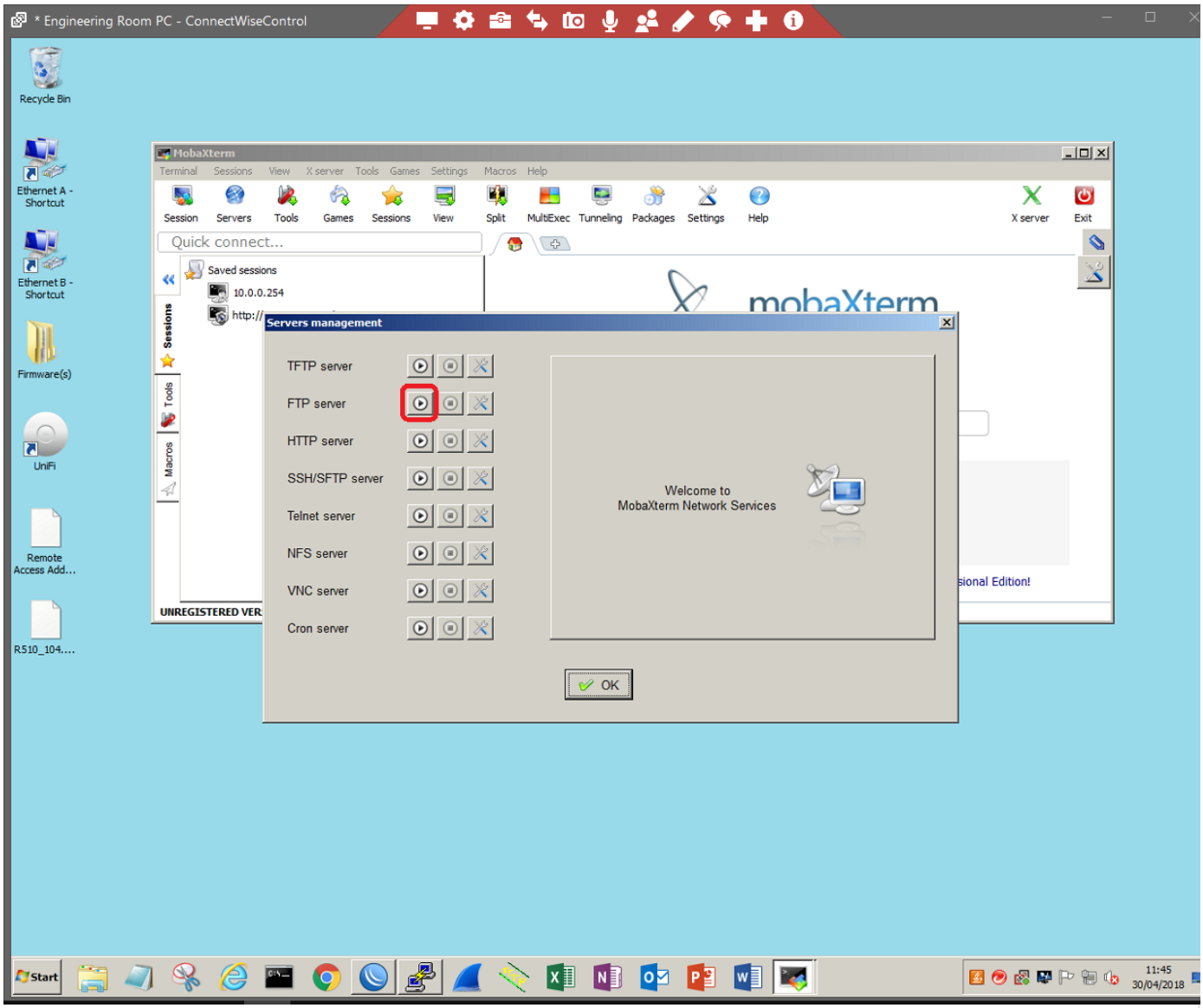

Edit the FTP server by clicking the TOOLS icon.




Select the location of the file (the desktop in this case), username, and password, and leave the port number as default (21). Click 'OK' to confirm the settings.

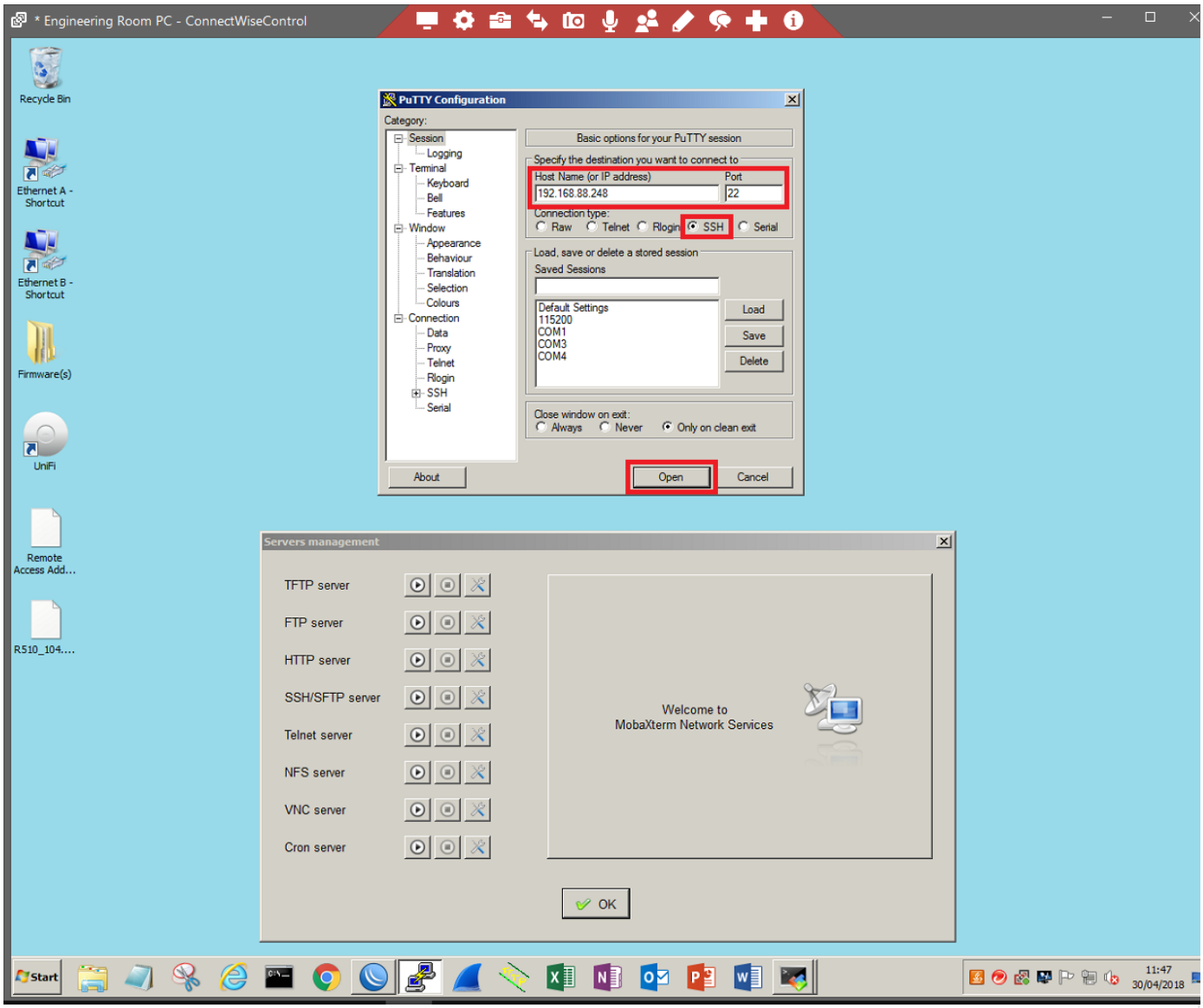



Open the server again and click the PLAY/START button to start the server.

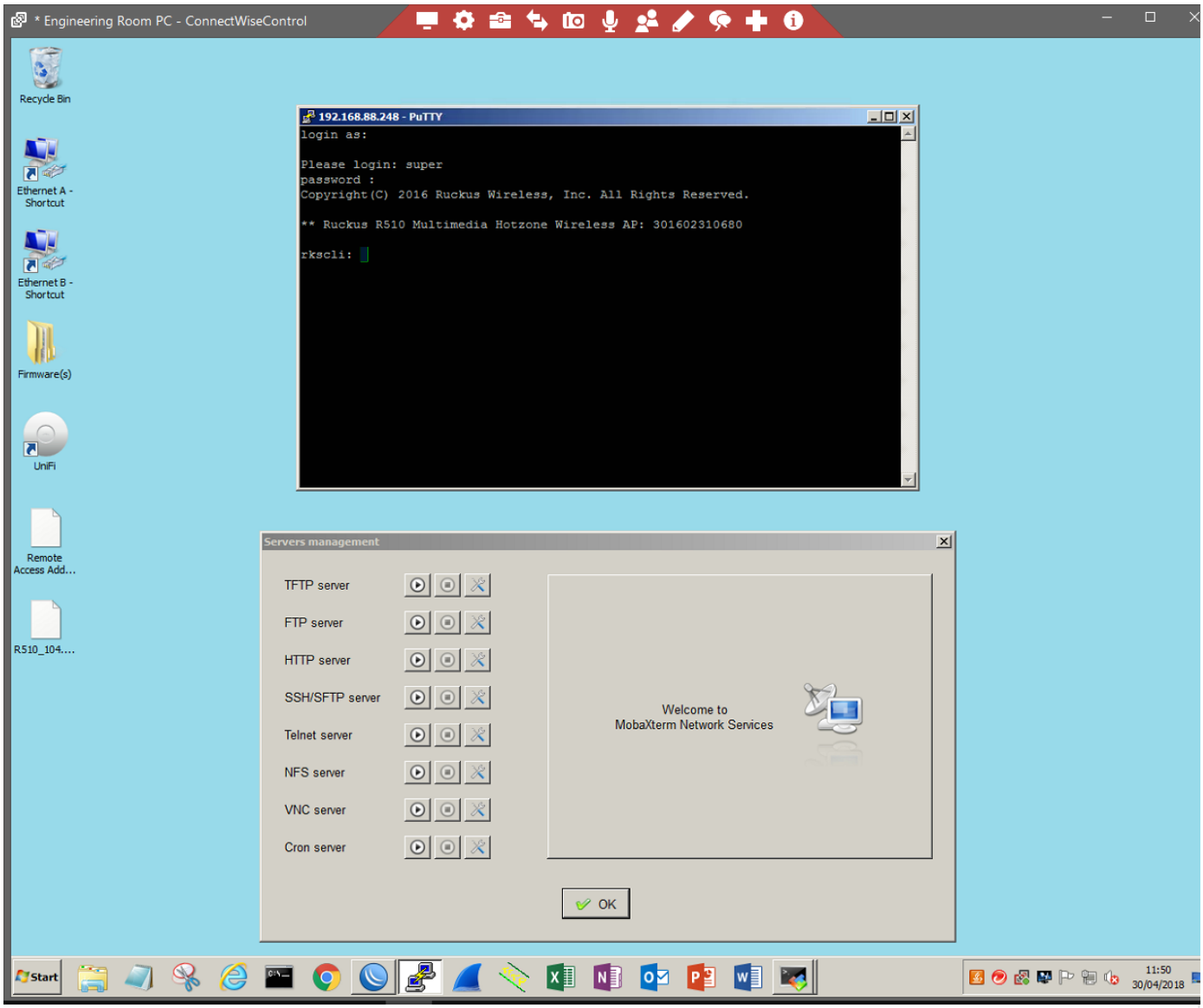



## Method (Stage 2)

SSH into the AP using Putty. Use the IP address of the Access Point in the 'Hostname (or IP address)' section. Ensure that you are using port 22 and that SSH is selected. Click 'Open' to begin the connection.




Log in with the Access Points username and password.




This will either be default or defined by the administrator. Once logged in use the following command to begin the upgrade process:

fw set control **FILENAME INCLUDING EXTENSION**

fw set proto **TRANSFER PROTOCOL METHOD**

fw set port **PORT NUMBER**

fw set host **IP ADDRESS/HOSTNAME OF FTP SERVER**

fw set user **SERVER USERNAME**

fw set password **SERVER PASSWORD**

fw up

For example;

fw set control **R510_104.0.0.0.1347.bl7**

fw set proto **ftp**

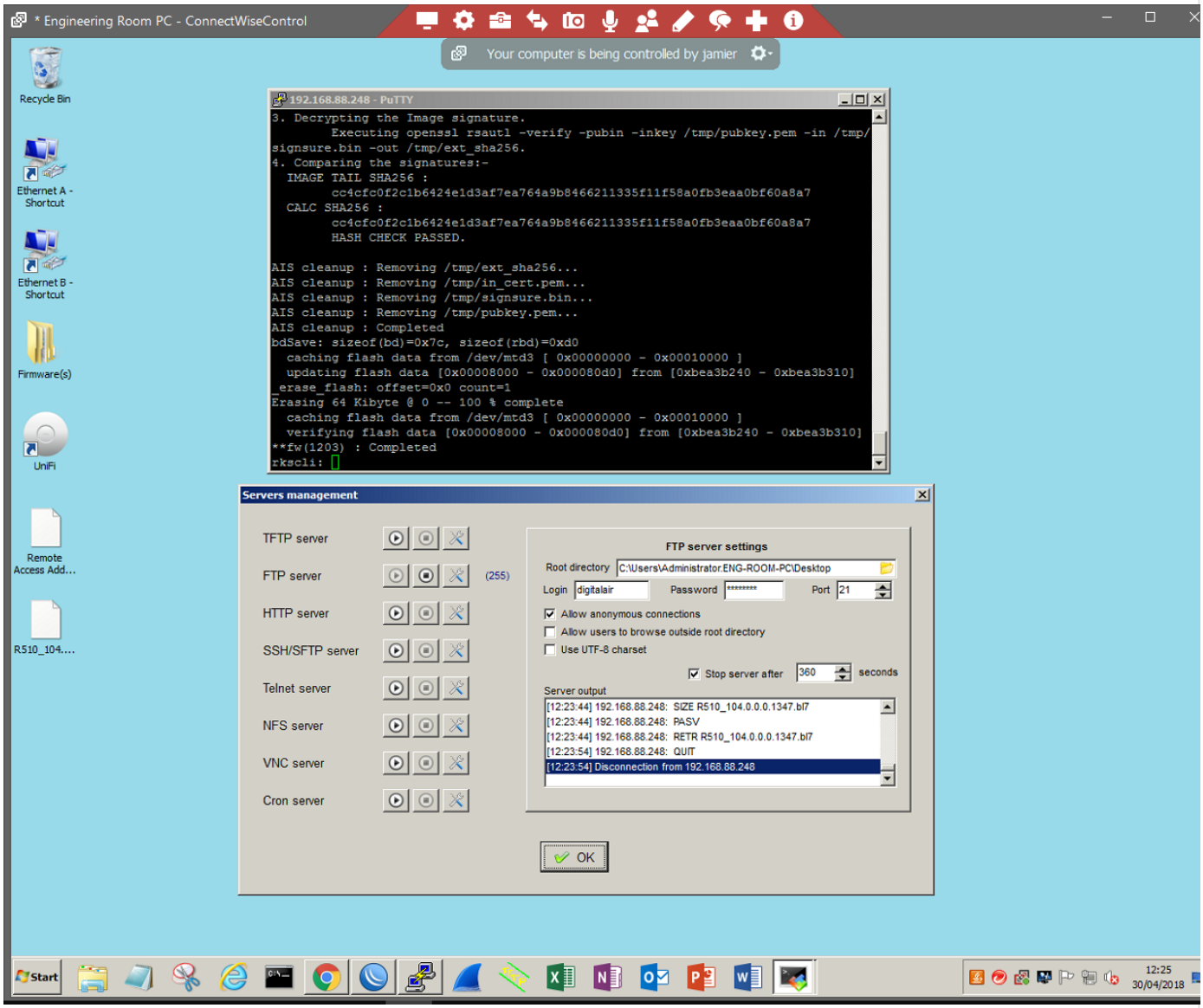
fw set port **21**

fw set host **192.168.88.254**

fw set user **username1**

fw set password **password1**

fw up



Once successful you will receive a 'Completed' status. You **must** now reboot the AP by typing 'reboot' no quotes and pressing enter to confirm.

Once booted, confirm your work by typing 'get version' no quotes to ensure that the file is successfully uploaded/updated.

# Ruckus T750SE

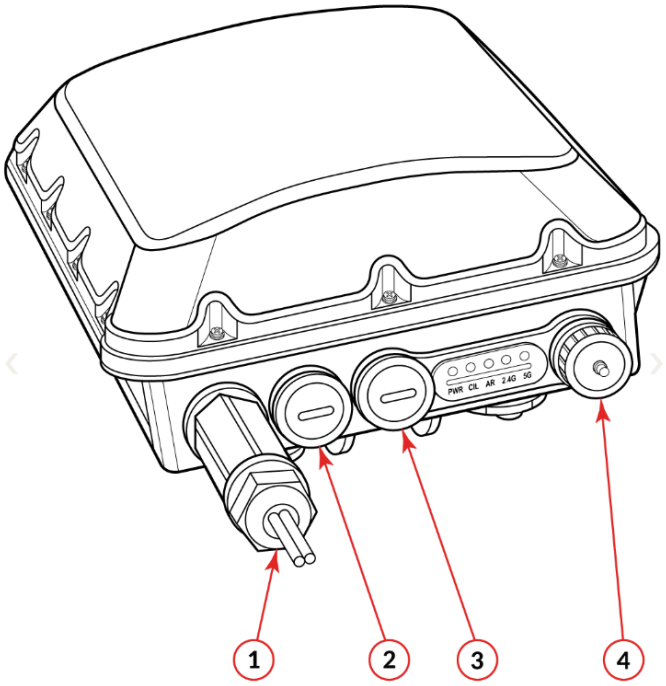
The RUCKUS T750SE is a high-end dual-band outdoor Wi-Fi 6 AP with external antenna connectors that supports 8 spatial streams (4x4:4 in 5GHz, 4x4:4 in 2.4GHz).

The T750SE provides advanced 802.11ax features including OFDMA and MU-MIMO, and supports up to 1,024 client connections with increased capacity, improved coverage and performance in ultra-high density environments.

The T750SE includes a 2.5 GbE Ethernet PoE+ port for high speed Ethernet backhaul, along with an SFP fiber port for fiber backhaul. Additionally, it includes built-in GPS, USB port, gigabit PoE out port, and IP-67 rated weather proofing.

This section describes the physical features of the RUCKUS Unleashed T750SE AP.

Figure 1. Unleashed T750SE Access Point




1. SFP port
2. PoE IN
3. PoE OUT
4. AC port

## Front Panel

The T750SE AP features five LEDs on its front panel.

**Table 1. Front Panel LEDs**

| LED | Status | Description |
| --- | --- | --- |