

Manually Adopt Ubiquiti Access Point

- SSH to the Access point and login with the default credentials of **ubnt/ubnt**.
- Type the following command where 192.168.xxx.xxx is the IP of your Unifi controller:

```
set-inform http://192.168.xxx.xxx:8080/inform
```

- Login to the Unifi controller and navigate to Unifi Devices.
- Locate the access point and click Adopt.

Unifi SSH Commands

We are going to start with the most commonly used Unifi SSH Commands, later on, I will organize them by device or function.

Command	Example	Function
info	<code>info</code>	Displays device information
set-default	<code>set-default</code>	Factory reset device
set-inform	<code>set-inform http://192.168.1.1:8080/inform</code>	Set URL of the controller for adoption. More info
upgrade	<code>upgrade https://<firmware-url>.bin</code>	Upgrade firmware - More info
fwupdate	<code>fwupdate --url https://<firmware-url>.bin</code>	Update firmware
reboot	<code>reboot</code>	Reboot the device
poweroff	<code>poweroff</code>	Shutdown device
uptime	<code>uptime</code>	Shows device uptime

Network related SSH Commands

The following Unifi SSH Commands can really help you with finding network-related issues with your Unifi Device.

Command	Example	Function
ifconfig	<code>ifconfig</code>	Show network interface information
ip address add	<code>ip address add 192.168.1.143/24 dev br0</code>	Set static IP Address
ip route	<code>ip route</code>	Display current gateway
ip router add	<code>ip route add default via 192.168.1.1</code>	Set default gateway
	<code>echo "nameserver 192.168.1.1" > /etc/resolv.conf</code>	Set DNS Server
ping	<code>ping 1.1.1.1</code>	Check network connection to device
arp	<code>arp -a</code>	Show arp table
ip neigh	<code>ip neigh</code>	Show IPv6 neighbors

Unifi OS SSH Commands

When you connect to your UDM Pro (or another controller that is running Unifi OS), then you will have a couple of other options:

Command	Example	Function
ubnt-systool help	<code>ubnt-systool help</code>	Show all commands
ubnt-systool cputemp	<code>ubnt-systool cputemp</code>	Show CPU Temp
ubnt-systool cpuload	<code>ubnt-systool cpuload</code>	Show CPU load
ubnt-systool portstatus	<code>ubnt-systool portstatus</code>	Show port status
ubnt-systool hostname	<code>ubnt-systool hostname <newname></code>	Set new hostname
ubnt-systool reboot	<code>ubnt-systool reboot</code>	Reboot device
ubnt-systool poweroff	<code>ubnt-systool poweroff</code>	Shutdown device
ubnt-systool reset2defaults	<code>ubnt-systool reset2defaults</code>	Factory reset device
ubnt-device-info summary	<code>ubnt-device-info summary</code>	Show system information

Command	Example	Function
ubnt-tools ubnt-discover	<code>ubnt-tools ubnt-discover</code>	Show Unifi devices in the network
cat /mnt/data/udapi-config/dnsmasq.lease	<code>cat /mnt/data/udapi-config/dnsmasq.lease</code>	Show DHCP Leases
cat /mnt/data/udapi-config/unifi	<code>cat /mnt/data/udapi-config/unifi</code>	Show configuration
/etc/init.d/S95unifios restart	<code>/etc/init.d/S95unifios restart</code>	Restart Unifi OS Web interface

Unifi Log files

There are a lot of log files that you can access to help you debug any Unifi related problem:

Command	Function
<code>cat /var/log/messages</code>	Output the error log
<code>tail -f /var/log/messages</code>	Monitor log file
<code>cat /mnt/data/unifi-os/unifi-core/config/settings.yaml</code>	Server settings
<code>cat /mnt/data/unifi-os/unifi-core/logs/discovery.log</code>	Discovery log
<code>cat /mnt/data/unifi-os/unifi-core/logs/system.log</code>	System log
<code>cat /mnt/data/unifi-os/unifi/logs/server.log</code>	Server log
<code>cat /mnt/data/unifi-os/unifi-core/logs/errors.log</code>	Http errors