



Base configuration:

- Stand Alone mode
- Licensing
- IP add / Def Gat
- VLANs / Trunk
- DNS / NTP

Net Destination
listing all the internal network, I should have access to.

```
netdestination internal-networks
network 192.168.17.0 255.255.255.0
network 192.168.26.0 255.255.255.0
network 172.30.30.0 255.255.255.0
network 172.30.29.0 255.255.255.0
```

IP Access List
Tunnelling internal network traffic to Controller and other traffic are source natted.

```
ip access-list session split-tunnel
any any svc-dhcp permit
user alias internal-networks any permit
alias internal-networks user any permit
user any any route src-nat
```

User Role

```
user-role System-Engineer
access-list session global-sacl
access-list session apprf-system-engineer-sacl
access-list session split-tunnel
```

AAA Profile

```
aaa profile "default"
initial-role "System-Engineer"
authentication-dot1x "default-psk"
```

Address Pool
Configuration -> Services -> VPN -> General VPN -> Add the

name: **rap**
Start address IPv4: **1.1.1.1**
End address IPv4: **1.1.1.100**

SSID Profile

```
wlan ssid-profile "Employee-ssid_prof"
essid "KapilHome"
wpa-passphrase "Aruba123!"
opmode wpa2-psk-aes
```

Virtual AP Profile

```
wlan virtual-ap "Employee-rap-vap-profile"
vlan 30
aaa-profile "default"
ssid-profile "Employee-ssid_prof"
```

DHCP Server
On the Controller to serve the clients on VLAN 30. This can be done under "Configuration -> Services -> DHCP -> DHCP Server" in GUI

```
ip dhcp excluded-address 172.30.30.101 172.30.30.254
ip dhcp pool pool30
default-router 172.30.30.1
dns-server 8.8.8.8
network 172.30.30.0 255.255.255.0
authoritative

service dhcp
```

AP System profile

```
ap system-profile "rap-AP-system-profile"
lms-ip 59.167.24.220
ap-console-password "Aruba123!"
bkup-passwords "CP0010727!+^>"
```

AP-Group

```
ap-group "raphome"
virtual-ap "Employee-rap-vap-profile"
ap-system-profile "rap-AP-system-profile"
```

RAP White List
Aruba7005 -> Configuration -> Access Points -> Whitelist -> Remote AP Whitelist

Require:

- RAP MAC Add
- Name
- ap-group = "**raphome**"

Statistics

```
show port status
show vlan

show ap database long
show ap bss-table
show user
```

Reference:
<https://community.arubanetworks.com/t5/Wireless-Access/ArubaOS-8-Setting-up-Remote-Access-Point-RAP/m-p/428065>