

AP-387 in InstantOS in Standalone Mesh Mode

In most all cases, the pair of AP-387s should be deployed in Standalone mode with mesh (new in 8.4). There are a number of reasons this allows the APs to run independent of what rides across the links. Unlike a pair of APs running mesh with Instant in must be L2 separated from other Instant APs, two AP-387s in Standalone Mesh mode will ignore L2 VC advertisements and run i allowing you to bridge an IAP VC over an AP-387 PtP.

Currently Standalone Mesh mode is mostly configured via the CLI only (there are currently no Standalone Mesh GUI elements in commands to put the AP-387 in Standalone Mesh mode are as follows:

1. Interrupt AP boot and enter the following (note this can be done in the GUI but will require multiple reboots). This will allow t standalone mode and not look for a controller for firmware (basically forcing Standalone mode)

```
-----  
|setenv standalone_mode 1  
|setenv uap_controller_less 1  
|-----
```

2. Once the AP boots up, the following are entered in to the configuration of the AP-387

Set country and disable extended SSID

```
-----  
|conf t  
|virtual-controller-country US  
|name <AP-Name>  
|no extended-ssid  
|exit  
|commit apply  
|-----
```

Configure the clusterless mesh settings (these are written to AP ENV, not in 'config' mode)

```
-----  
|no mesh-disable  
|mesh-cluster-name <cluster name, unique per PtP>  
|mesh-cluster-key <cluster-key>  
|commit apply  
|-----
```

On the Mesh Point only:

```
-----  
|wired-port-profile default_wired_port_profile  
|trusted  
|-----
```

NOTE: Once you apply 'enet0-bridging' on the mesh point, it will no longer come up on the wire. Additionally, if the point and pc same VLAN/switch while the mesh is established and the mesh link is up with bridging on the mesh point, it will loop the network. If the mesh point reboots, that it is removed from the same VLAN that the portal is connected to.

When this is completed, everything will need to be rebooted. Once done, the following commands will verify the standalone mesh is up

```
-----  
show ap mesh cluster status  
show ap mesh link  
show ap mesh neighbour  
-----
```

Please use the 'Aruba Instant 8.4.0.0 CLI Guide' for more details. The rest of the ethernet config for bridging follows the same rules as other Instant mesh bridging commands (access, trunk, etc). When the Standalone Mesh config elements are added to the GUI, this will be updated with screenshots.