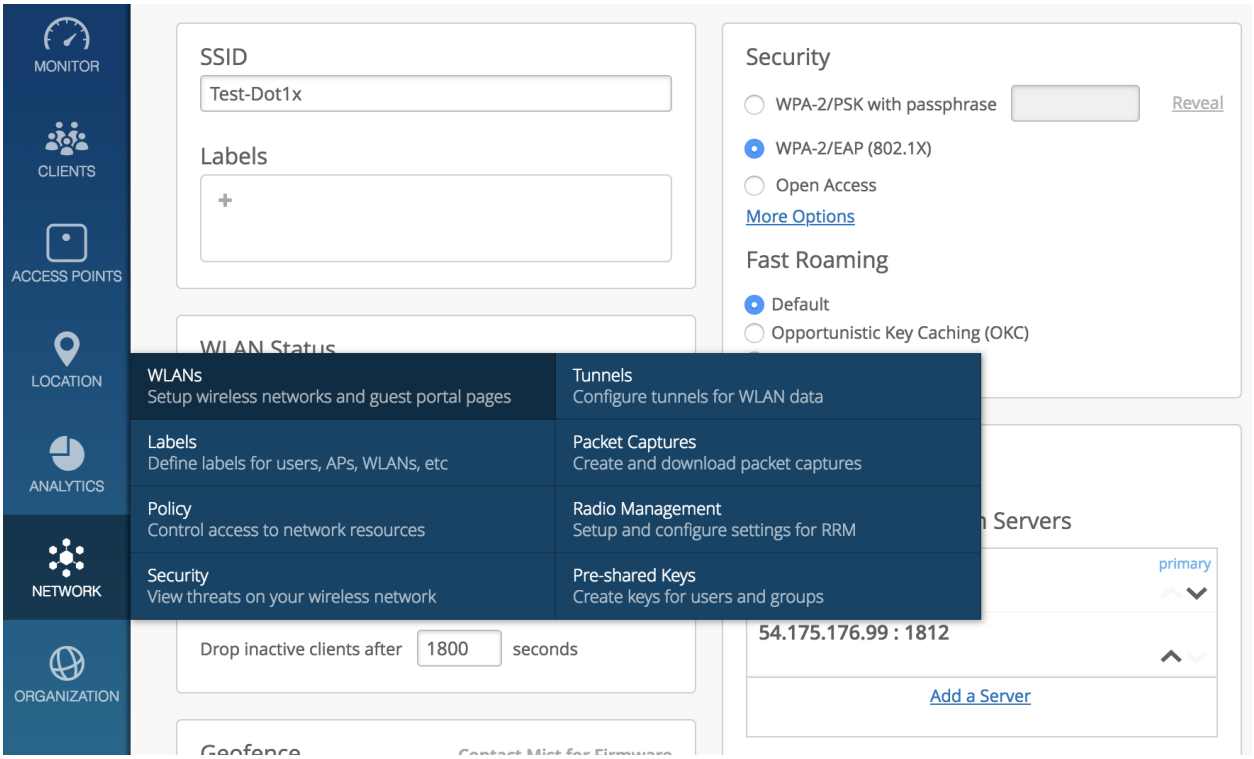
Mist Integration with ISE for EAP

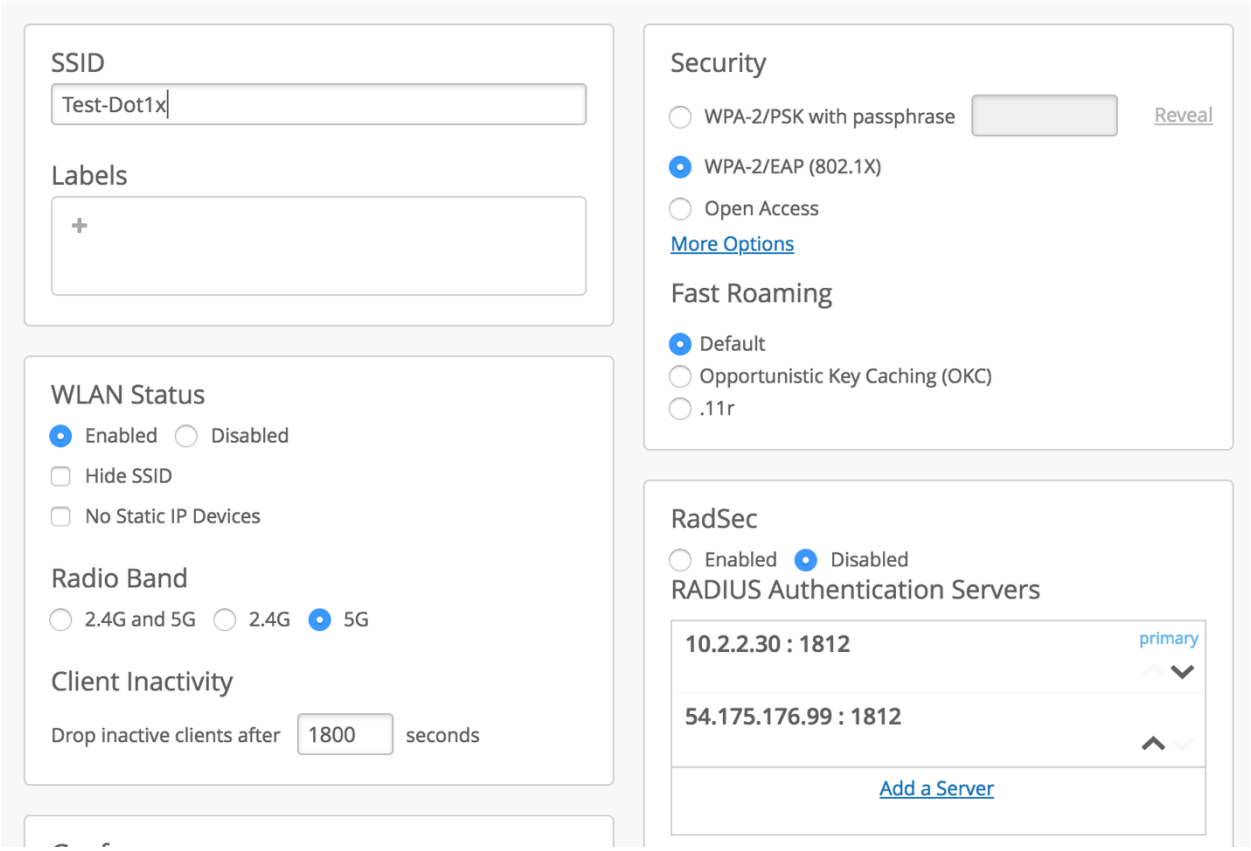
Table of Contents

Mist AP Configuration

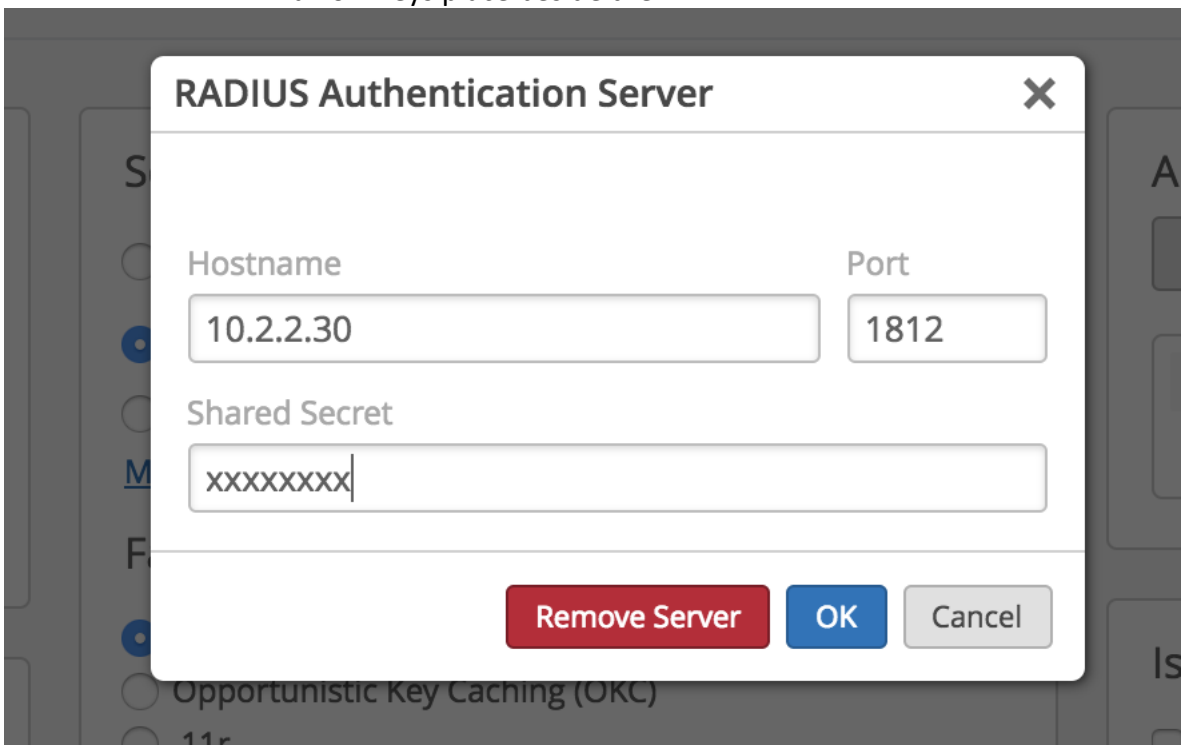
1) WLAN Configuration
    a. Network -> WLAN -> Add WLANs



b. Create an WLAN with Security 802.1x



c. Add the Radius Server of Choice (RadSec is disabled when not used)
    i. Click on the Radius server and it will provide an option to input the Radius Server details (IP, Port, Shared Secret) which would be the ISE server IP and port details
    ii. You would also have the option of adding a secondary-server/tertiary servers
    iii. You will also be edit the order of the preference for servers using the arrow keys place beside them.

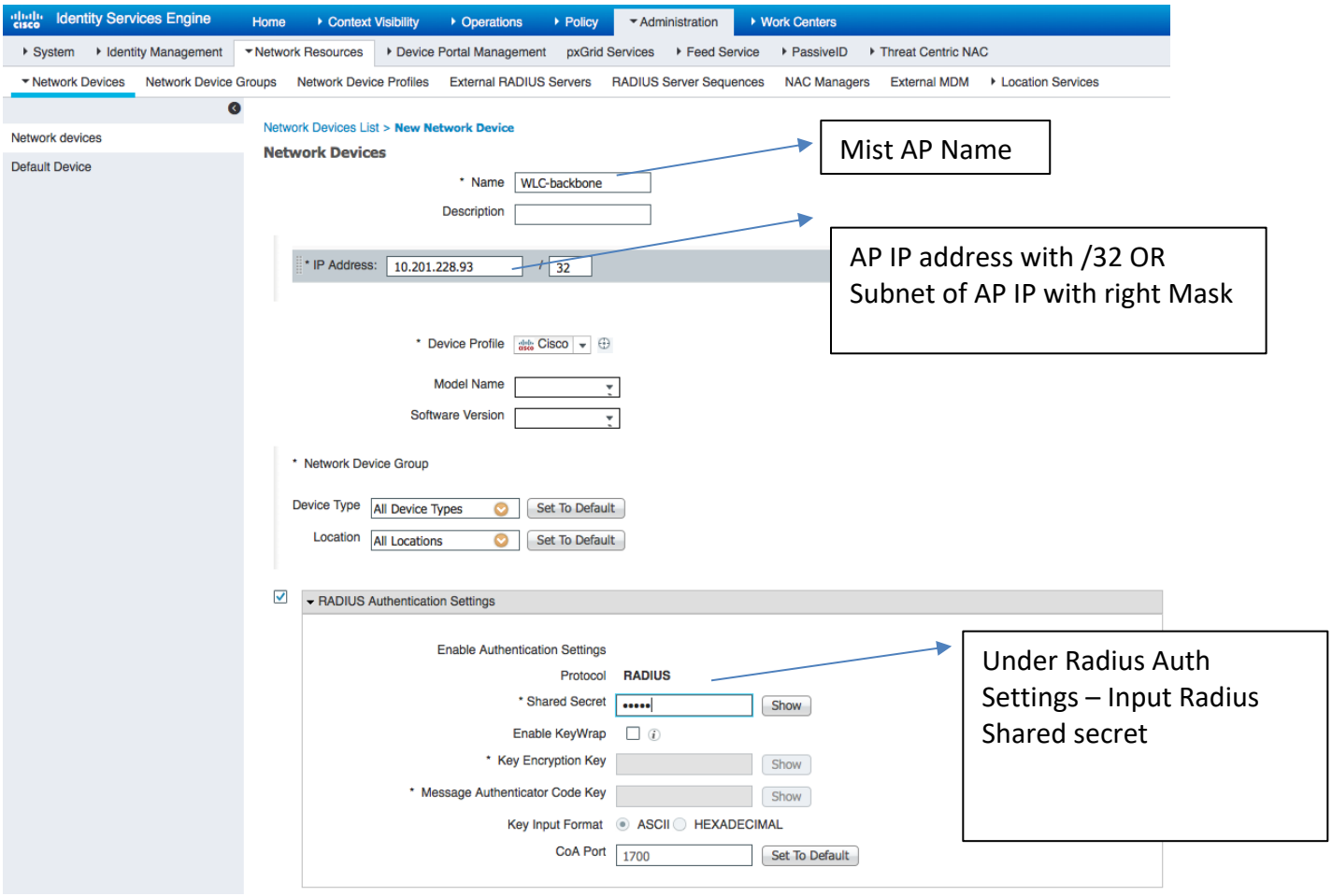


ISE CONFIGURATION

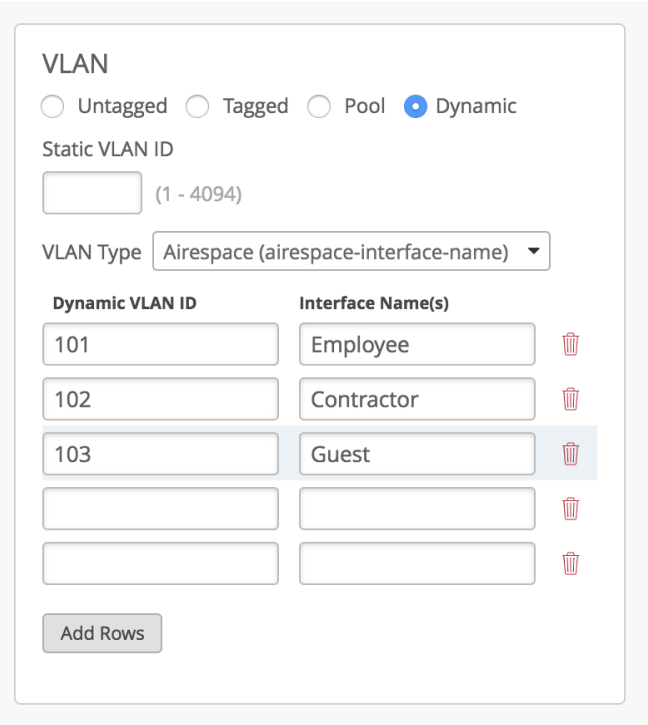
1) Get the Radius Client IP, in our case the Mist Access Point IP
    a. From the Access Point tab, select the access point of interest and get the IP of the AP under the Status tab

You could also use a subnet of AP IP addresses – if you would choose to do so in ISE

2) Under ISE - > Administration -> Network Devices -> Add Network Device



Dynamic VLAN Configuration



- Use DNAC/ISE to provision IP-SGT/VLAN-SGT bindings and push it down to the edge node/switches.
- ISE would push down dynamic VLANs based on the role of the client associating and Mist AP would place the clients on the respective VLANs
- Once the client traffic reaches the Edge node/Switch, the enforcement of the policy occurs here. The source IP/VLAN of the client corresponds to respective SGTs. Based on this the policy enforcement or SGACLs rule apply to this particular traffic – still leaving policy definition at a single point: ISE.