

- Software Defined Wireless Network by Anyfi

- Recap - SDWN and Anyfi

- Remember our story last time?
 - Need for secure wifi network anytime, anywhere
 - Solution of SDWN by Anyfi

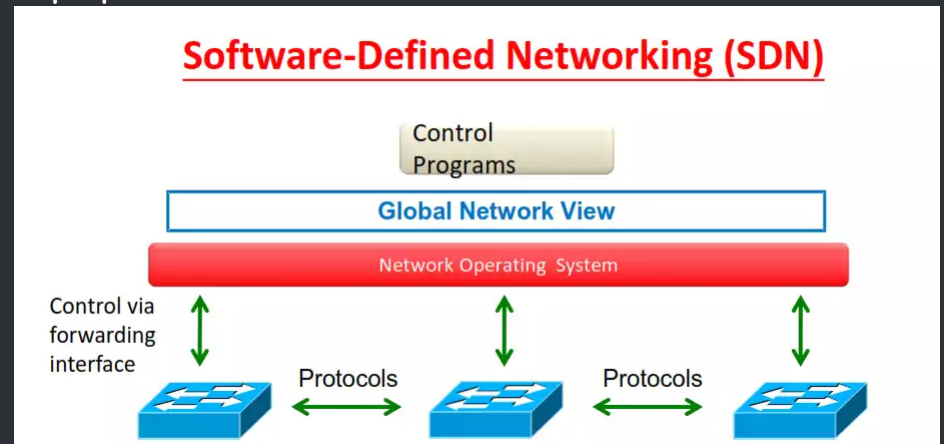
This time, we bring a prototype for demonstration

● Agenda

- - Revision of SDWN and Anyfi
 - Anyfi use case introduction
 - Demonstration

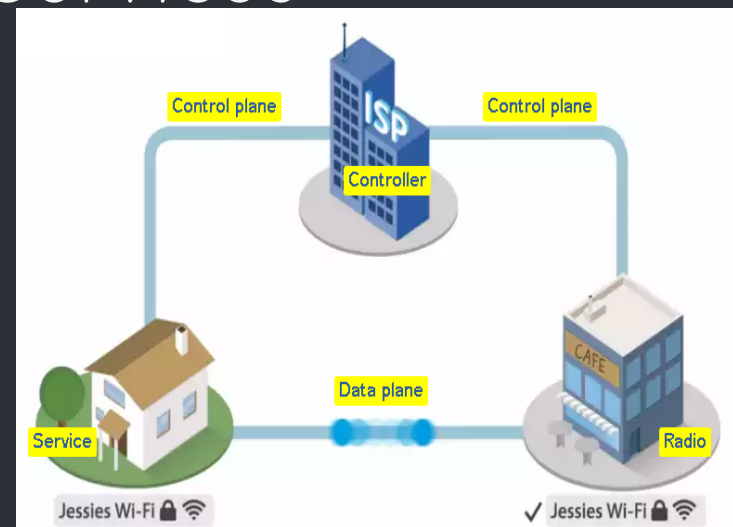
● What is SDWN

- Extension of SDN
- Decouple Control Plane and Data Plane
- Abstract underlying infrasture from wireless application



● Introduction of Anyfi

- SDN solution for wireless network
- Separated the Radios from Service
- Anyfi = Radios + Services + Controller



● Advantages of Anyfi

○ Flexible

- Decoupled radios and services
- Centralize management

○ Low cost

- No additional hardware, software and bandwidth required

● Advantages of Anyfi (cont)

- Secure
 - Strong mutual authentication
 - End-to-end encryption



What can we benefit
from Anyfi in our daily
life?



Wi-Fi: Looking for Networks...
Turn Wi-Fi Off

✓ Home Sweet Home

Join Other Network...
Create Network...
Open Network Preferences...

MacBook Air



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● Use Case



Migrate hotspot or homespot to unified carrier Wi-Fi platform



Demonstration

● Demo Resources



1 ESXi server



5 VMs



1 Firewall server



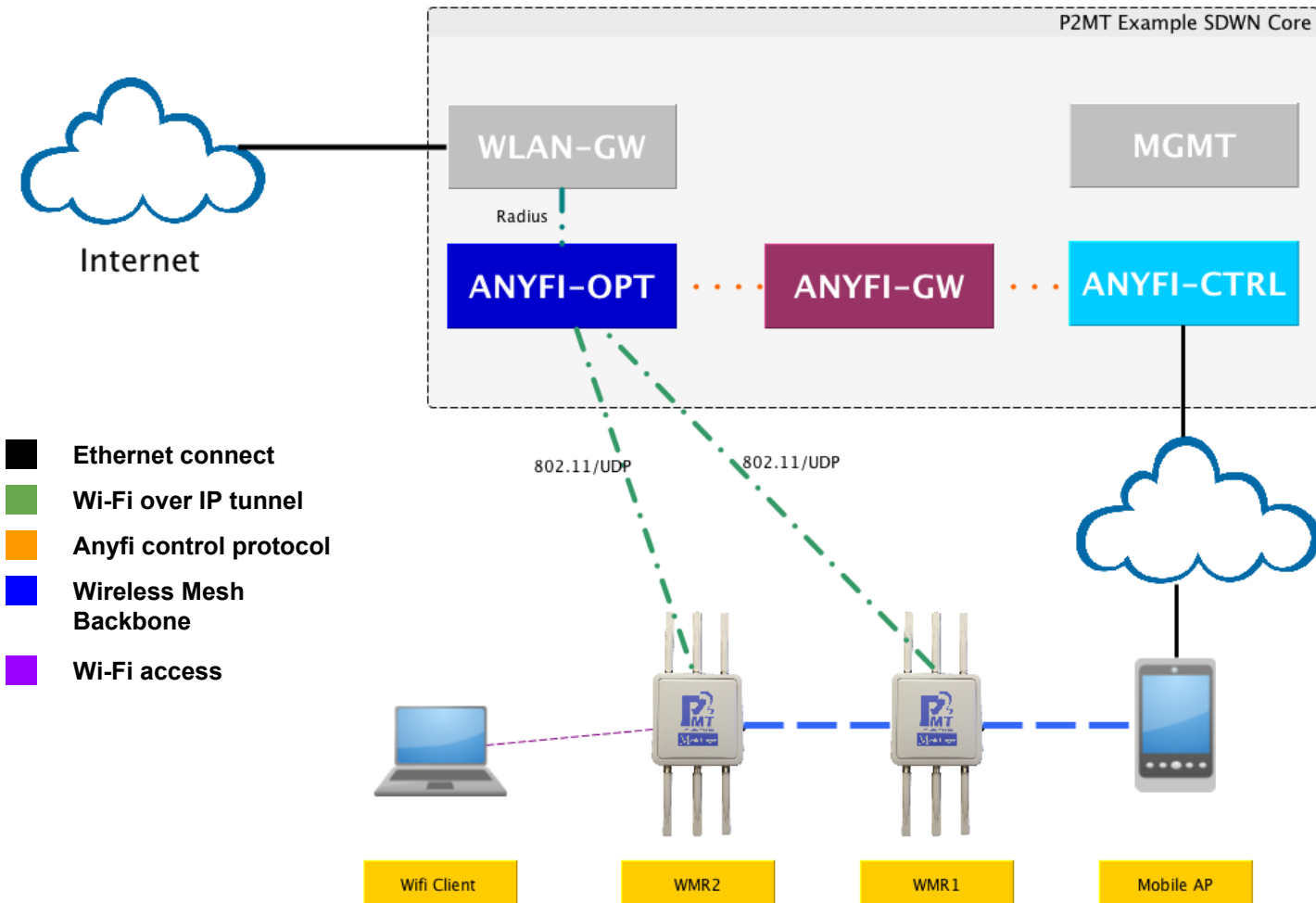
2 Wireless Mesh
routers



1 Client Device

Powered by P2 Mobile Technologies Limited

SDWN Demo Setup

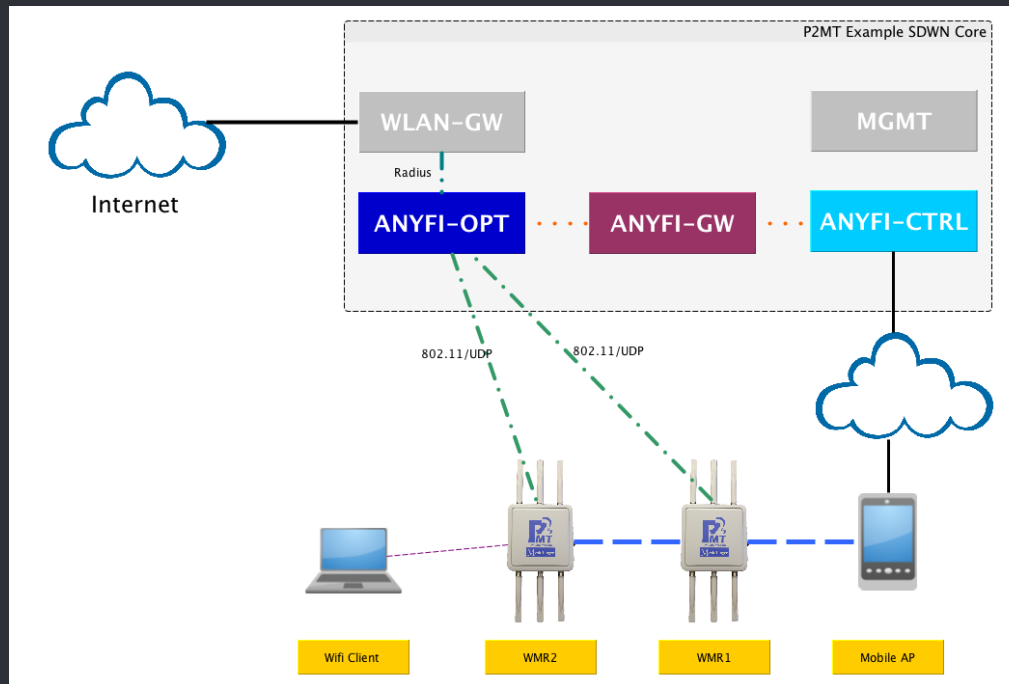


● SDWN Demo Setup

- - How to setup Anyfi network
 - Install server packages
 - Compile firmware on the embedded devices
 - Config all the SDWN servers
 - How to setup Wireless Mesh Network
 - Back-N technology powered by P2MT

- How's SDWN demo works?

- How does Anyfi SDN works?



- Internet traffic flow

● Achievement in the Demo

- - Control plane demonstration
 - User account management
 - Wireless provisioning
 - Data plane demonstration
 - Internet accessibility
 - Roaming
 - Management plane
 - Command Line Interface
 - Webpage

Thanks!

ANY QUESTIONS?