

Platform Simulation In the Real World

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Agenda

- The Case for Simulation
- Considerations in Simulation vs. Emulation
- Implementation Options
- Meraki Cloud Simulator
 - What Wasn't Simulated
 - Location Scanning
 - Webhook Alerts
 - Captive Portal



The Case For Simulation

Why Simulate?

Education



Rapid Developer Enablement



Cost Savings



Considerations

To Simulate or Not To Simulate...

Functional Limitations



What to Simulate



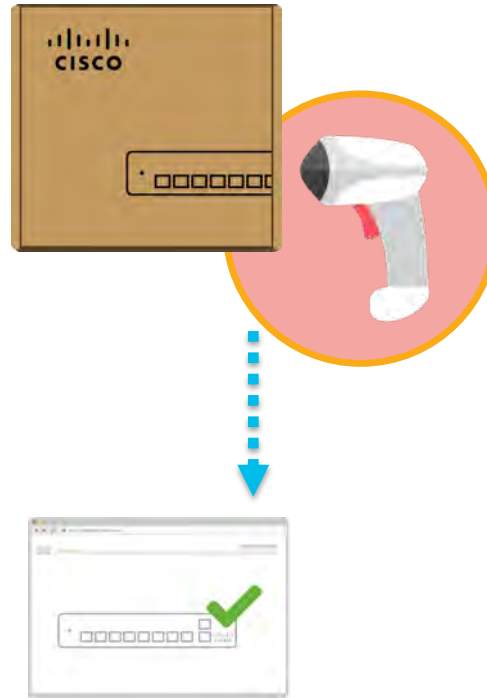
Feature Parity



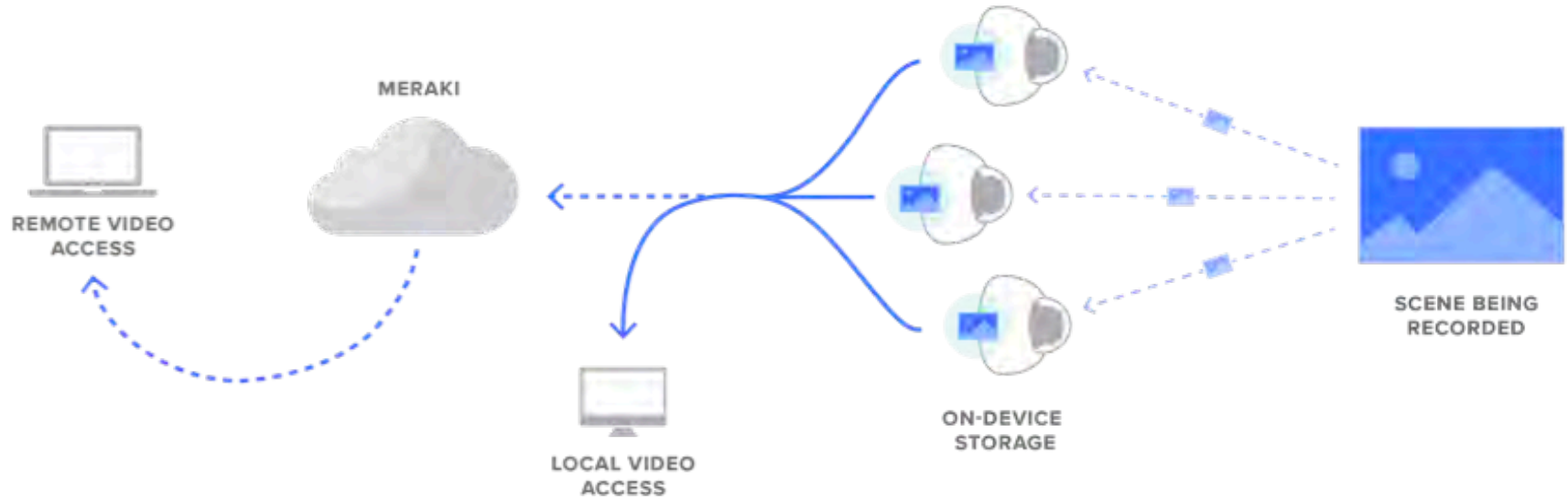


What We Didn't Simulate (and, more importantly, why)

Dashboard API

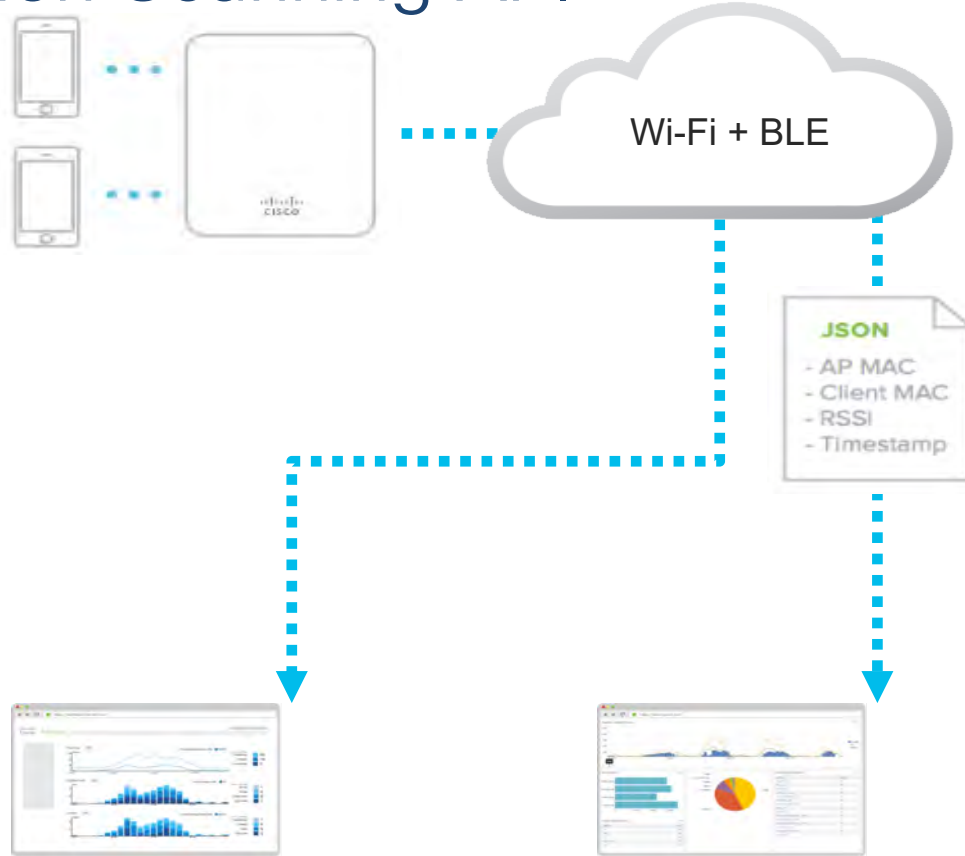


MV Sense



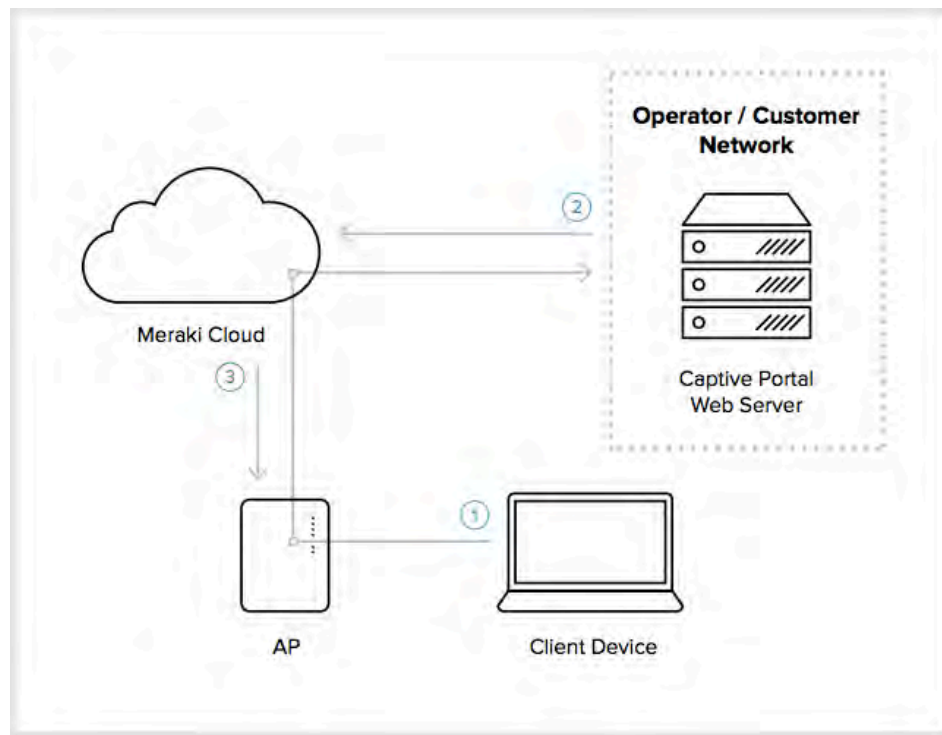
Meraki Cloud Simulator

Location Scanning API

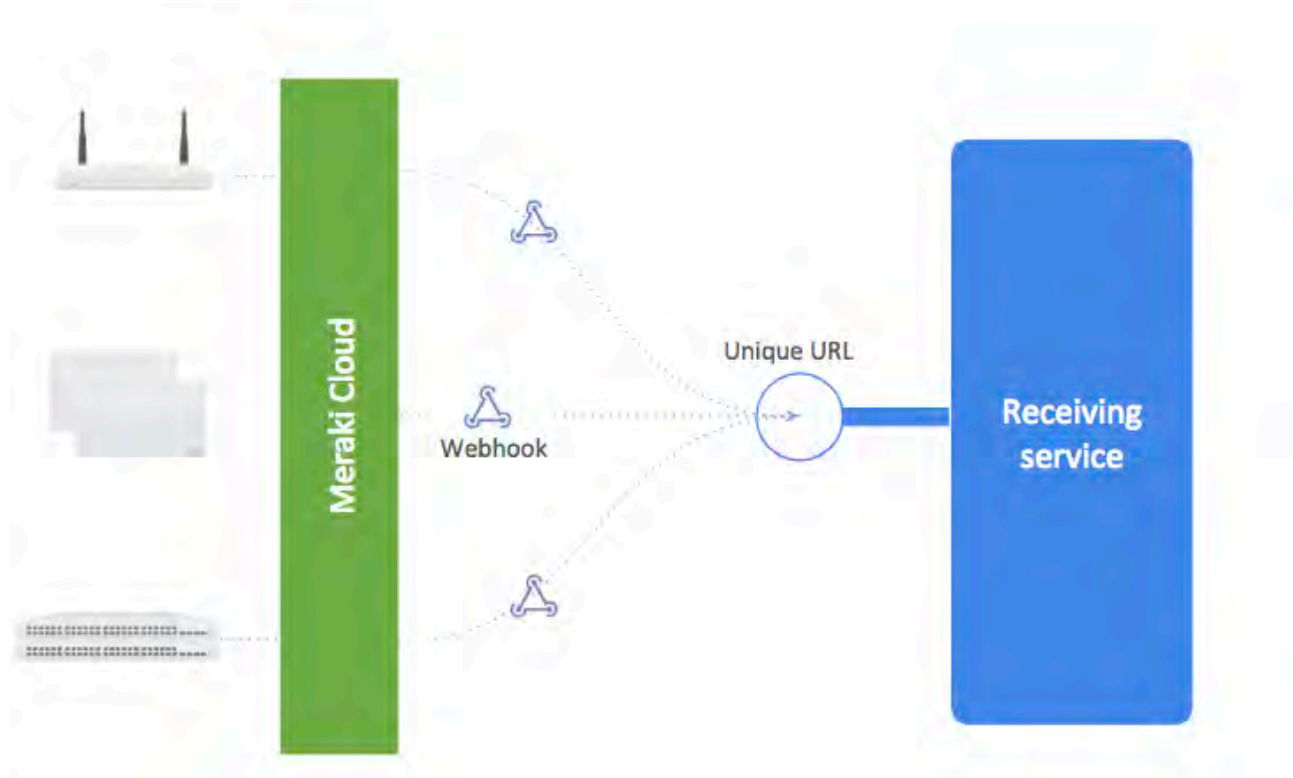


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  "apTags": [<string>, ...],  
  "apFloors": [<string>, ...],  
  "observations": [  
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      "ipv4": <string>,  
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      "seenEpoch": <integer>,  
      "ssid": <string>,  
      "rssi": <integer>,  
      "manufacturer": <string>,  
      "os": <string>,  
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        "lng": <decimal>,  
        "unc": <decimal>,  
        "x": [<decimal>, ...],  
        "y": [<decimal>, ...]  
      }  
    }, ...  
  ]  
}
```


External Captive Portal – EXCAP



WebHook Alerts

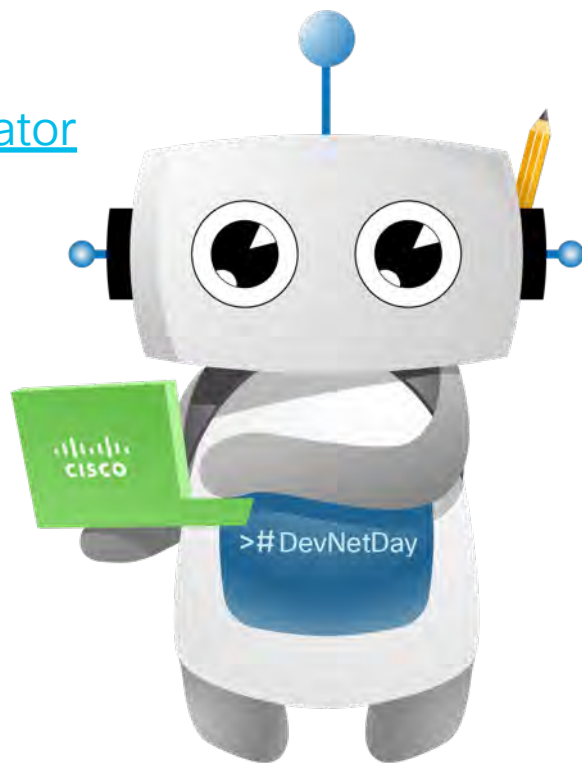




Meraki Cloud Simulator In Action

Explore More

- Meraki Cloud Simulator:
https://github.com/CiscoDevNet/meraki_cloud_simulator
- Meraki Learning Track Using the Simulator:
<https://developer.cisco.com/learning/devnet-express/devnet-express-meraki>



Thank you



Possibilities

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