

Managing Cisco Products Using Advanced API-based Methods

INTRODUCING API OPTIMIZATIONS AND
THE CISCO MERAKI APIS



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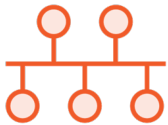
Suggested Prerequisite Courses



Getting Started with Software Development using Cisco DevNet



Consuming Cisco APIs and Understanding Application DevOps



Managing Cisco Networks via Infrastructure as Code



**Assessing and Enhancing Applications using
Cisco DevNet Techniques**



Agenda



Introducing API optimizations

Understanding the Meraki APIs

Lots of demos:

- Get basic SSID information
- Enable/disable existing SSIDs
- Prepare to receive location data
- Integrate with location API + test



Your Role at Globomantics



Smarter API Interaction



Unrecoverable
error handling



Rate limits
(HTTP 429)



Timeout



Pagination

Why Should I Care?

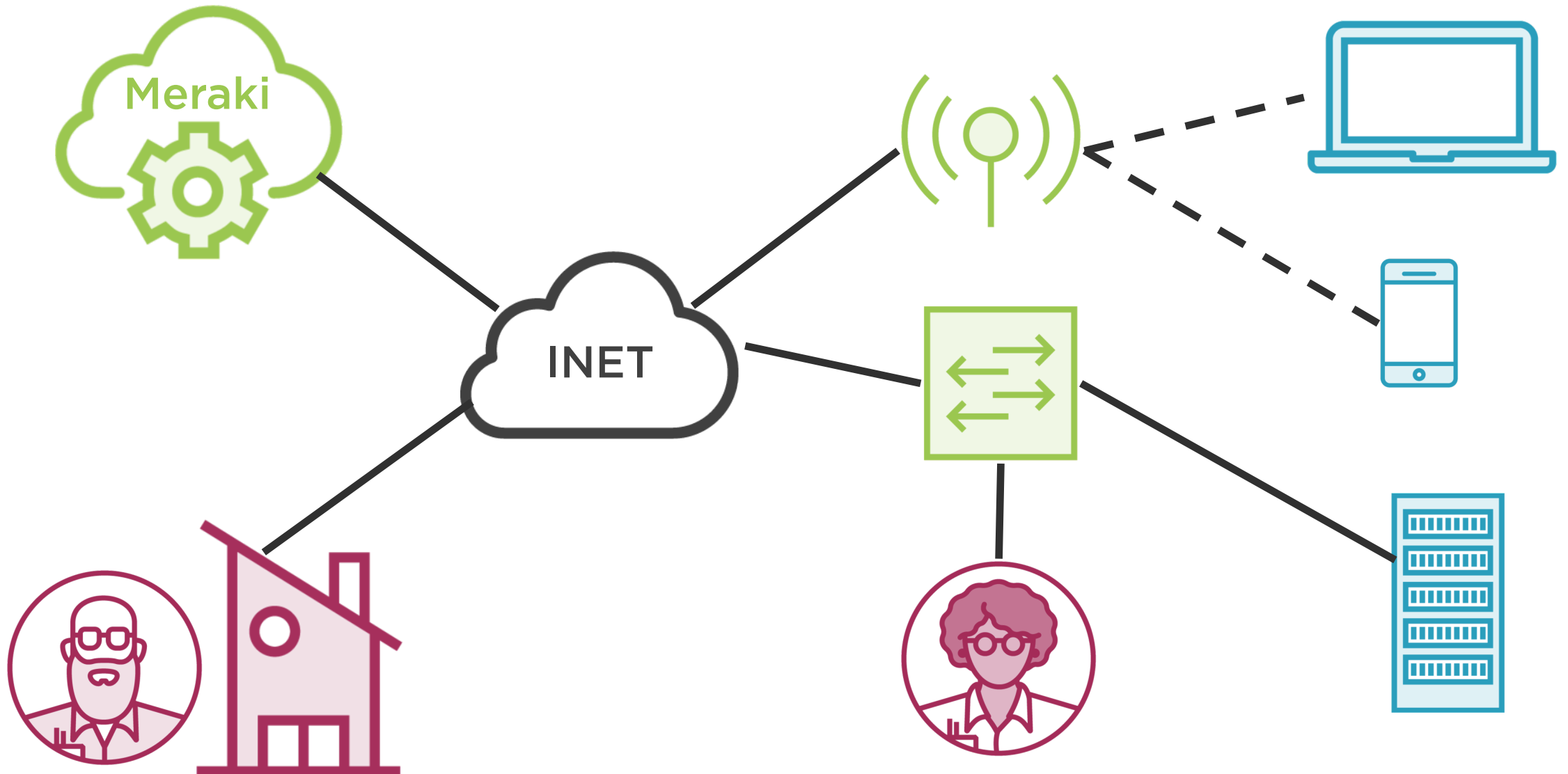
**Machines run
them too**

Often necessary

**Become a better
developer**



Cisco Meraki Architecture



DevNet docs:

developer.cisco.com/docs



Some Examples!

Clients Get overall client health by type (wired/wireless); get details about a specific client

GET	/dna/intent/api/v1/client-detail	Get Client Detail
GET	/dna/intent/api/v1/client-health	Get Overall Client Health

← DNA Center

Webex Teams →

Method	Description
GET https://api.ciscospark.com/v1/teams	List Teams
POST https://api.ciscospark.com/v1/teams	Create a Team
GET https://api.ciscospark.com/v1/teams/{teamId}	Get Team Details
PUT https://api.ciscospark.com/v1/teams/{teamId}	Update a Team
DELETE https://api.ciscospark.com/v1/teams/{teamId}	Delete a Team



Demo



Collecting Meraki SSIDs via REST API



Demo



Enable/disable existing Meraki SSIDs



Demo



Preparing to use the Meraki location API



Demo



Location API configuration and testing



Summary



Consider improving your scripts

Managing Meraki SSIDs

Collecting Meraki location data

