Programmability Black Belt Apprentice (Level1)

1. Go through the VoDs/e-Learnings as listed in the following 2 links : https://salesconnect.cisco.com/open.html?b=P03196826 and https://developer.cisco.com/video/net-prog-basics/00-intro

2. Go through this - https://developer.cisco.com/video/net-prog-basics/01-programming_fundamentals and optionally for those who are new to python, we recommend going through the content listed here : https://www.codeschool.com/learn/python or https://www.udemy.com/automate/?couponCode=FOR_LIKE_10_BUCKS or https://www.coursera.org/learn/python or https://www.codecademy.com/learn/python or https://www.pluralsight.com/paths/python or http://greenteapress.com/thinkpython/thinkpython.pdf

3. Complete the DevNet learning lab outlined in ***slides #2***

4. Complete the 3 assignments as mentioned in : https://github.com/Devanampriya/DevNet_vCC_Team0/blob/master/Camp1_Day2_assign1 , https://github.com/Devanampriya/DevNet_vCC_Team0/blob/master/Camp1_Day2_assign2 , https://github.com/Devanampriya/DevNet_vCC_Team0/blob/master/Camp1_Day2_assign3

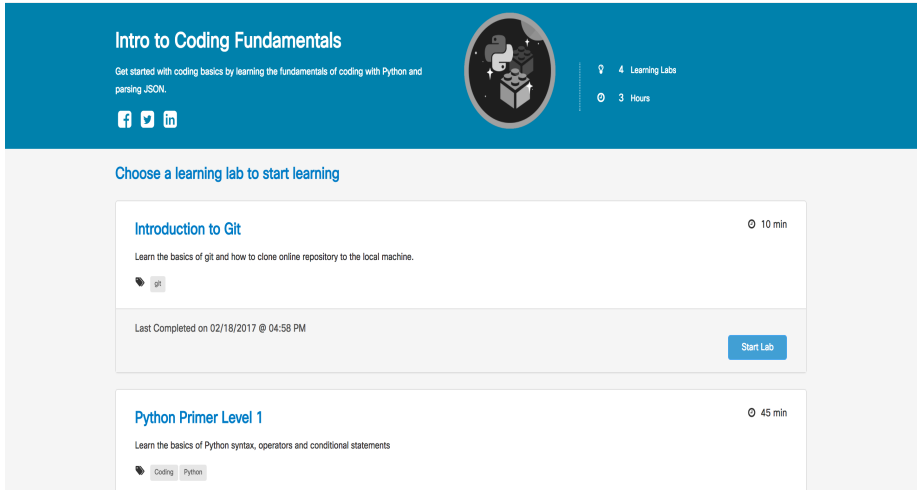
5. Go through the Github videos as shown in https://www.youtube.com/watch?v=SWYqp7iY_Tc or https://www.youtube.com/playlist?list=PLg7s6cbtAD17Gw5u8644bgKhgRLiJXdX4. Then do below :
   a) upload your python answers to step #3 as a new github repository
   b) Submit the details of the above github repository and your registered email-id at this webform : https://app.smartsheet.com/b/form/53c1b99668e64eb98199dc1f9ab7750f , inorder to be evaluated towards the completion of the Programmability Black Belt Apprentice (Level1)

1. Intro to Coding Fundamentals

https://learninglabs.cisco.com/modules/fundamentals

How to take the learning lab:

- ✓ Login to the DevNet page listed here
- ✓ Start the modules and complete them in order
- ✓ Once you complete all the modules, move on to the next learning lab (slide #3)
- ✓ For any queries reach out to the Cisco Team (apj-programmability@cisco.com)



What is DevNet all about?

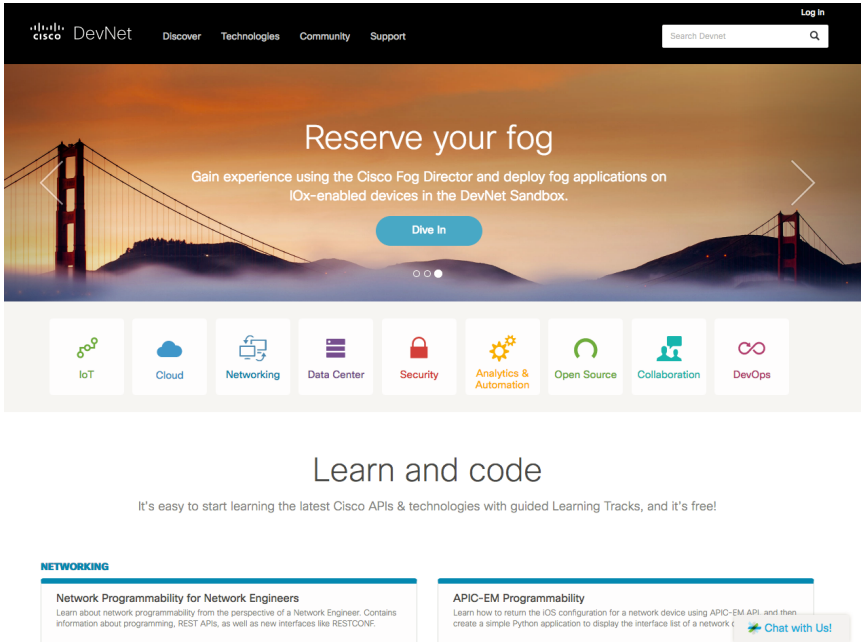
We're all about providing developers *(you)* with the tools, the resources, and the code you need to build innovative, network-enabled solutions.

How do we do that?

Access to cool *stuff*:

- ✓ Download APIs and SDKs
- ✓ Access fully-tooled sandboxes
- ✓ Set your profile to customize your notifications
- ✓ Use the Learning Labs
- ✓ Get answers on the community forums
- ✓ Receive loads of support

https://developer.cisco.com



Setup your DevNet Profile

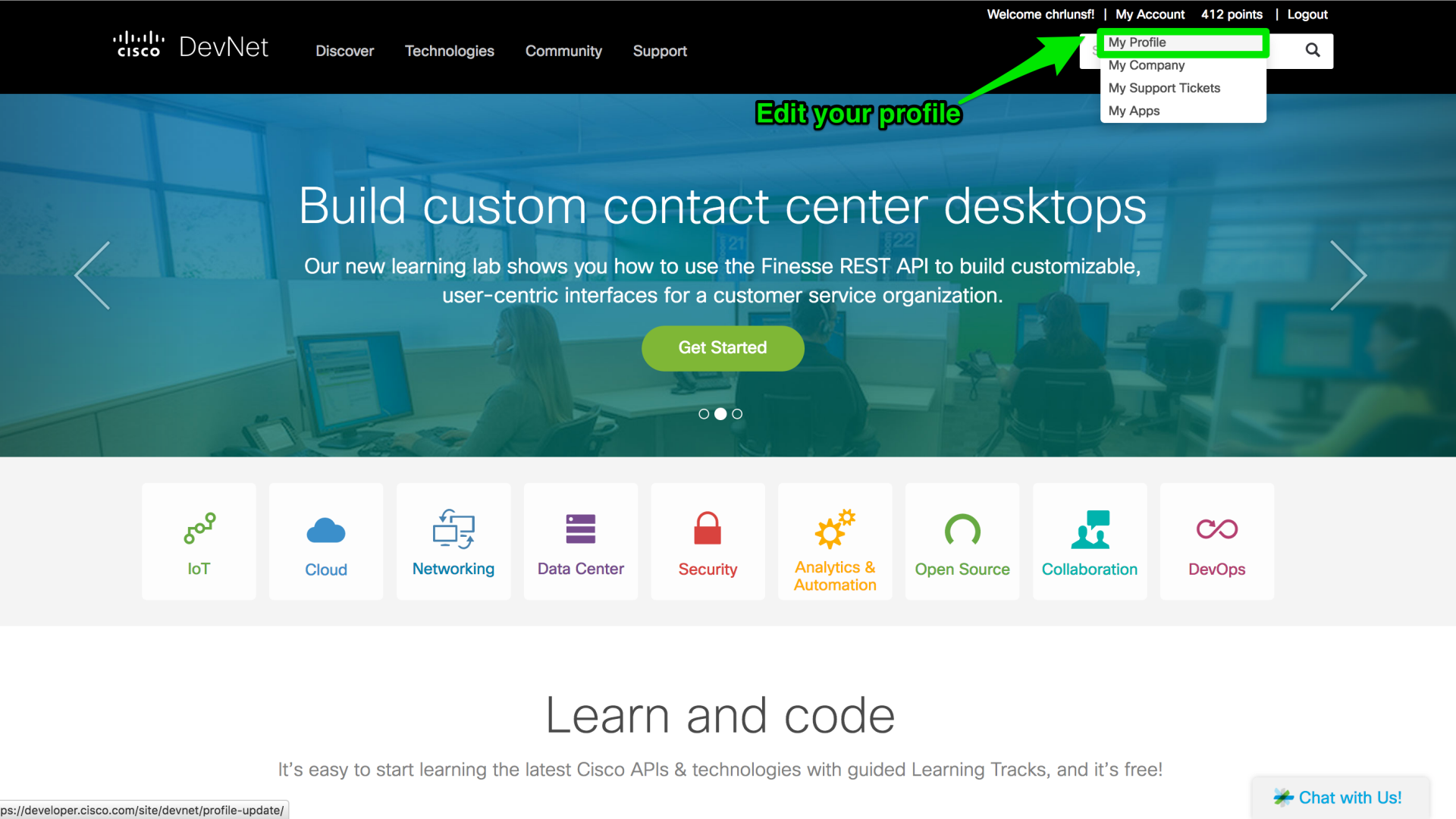
3 simple steps to becoming a DevNet member

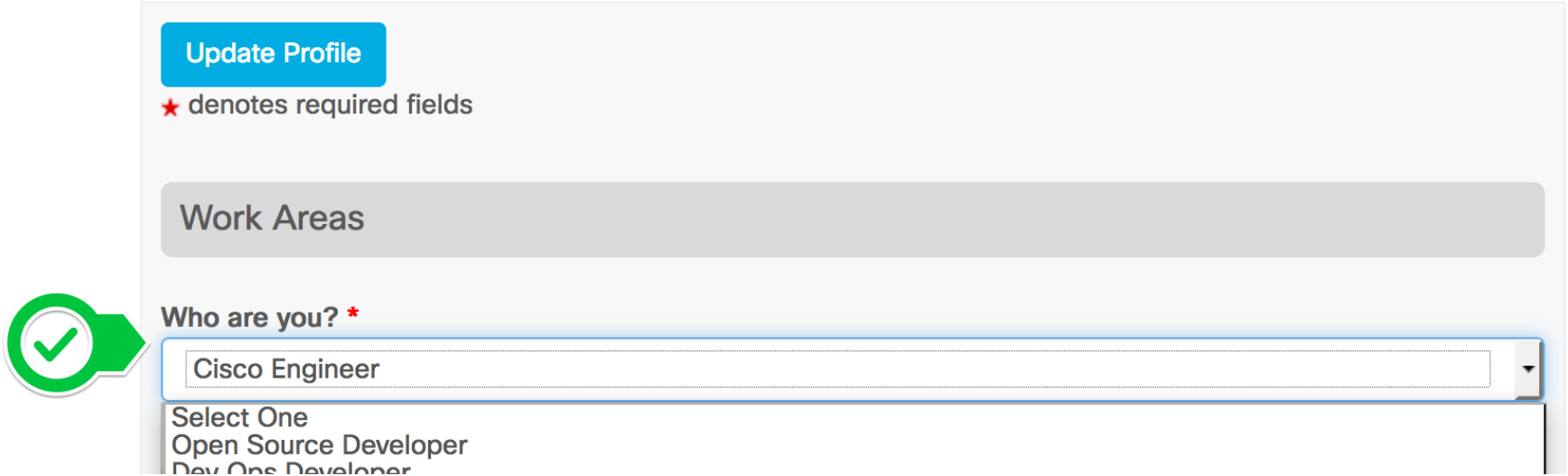
Becoming a member of the DevNet Community is free, easy, and gives you access to useful resources and tools.

Step 1	Step 2	Step 3
Create a Cisco ID › (if you don't already have one)	Log in to DevNet and create your account ›	Complete your profile (at any time) and earn points towards Cisco DevNet badges.

Get Started @

https://developer.cisco.com/site/devnet/overview

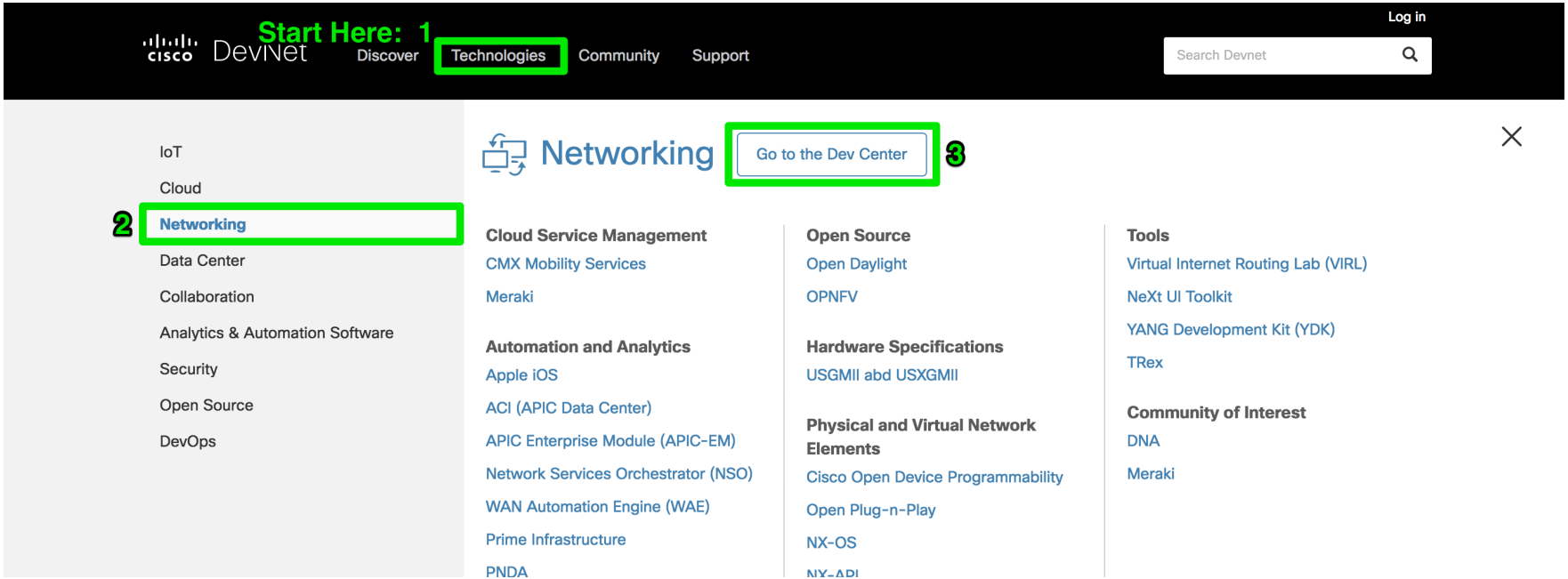

Welcome chrlunsf! | My Account 412 points | Logout
cisco DevNet
Discover
Technologies
Community
Support
My Profile
My Company
My Support Tickets
My Apps
Edit your profile
Build custom contact center desktops
Our new learning lab shows you how to use the Finesse REST API to build customizable, user-centric interfaces for a customer service organization.
Get Started
IoT
Cloud
Networking
Data Center
Security
Analytics & Automation
Open Source
Collaboration
DevOps
Learn and code
It's easy to start learning the latest Cisco APIs & technologies with guided Learning Tracks, and it's free!
Chat with Us!
ps://developer.cisco.com/site/devnet/profile-update/



Don’t forget to tell us who you are…

Finding your area of interest…

Explore Cisco's *DNA*



Click to Explore

What Can You Do?

Analyze customer behavior in a retail scenario to provide better service with Meraki CMX Location Analytics.

Check it out >

Capture customer contact information when customers login to WiFi with Captive Portal API.

Check it out >

Analyze customer presence to enhance the customer's length of time in a store with CMX Presence Analytics.

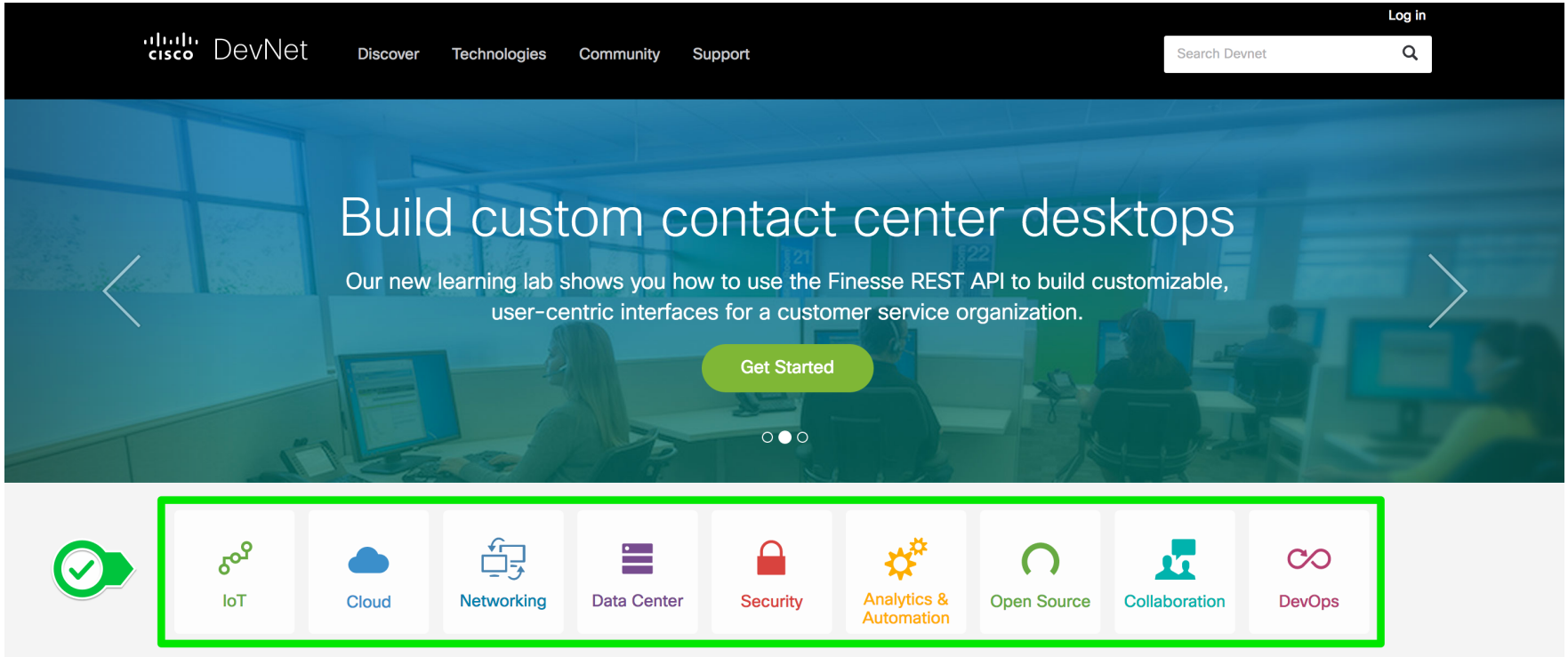
Check it out >

Automation and Analytics

Automation and analytics to make networks and network services easy to deploy, manage and maintain.

Learn more

Explore other Areas of Interest



Diving Deeper…

IoT
Cloud
Networking
Data Center
Collaboration
Analytics & Automation Software
Security
Open Source
DevOps

Networking

Go to the Dev Center

Cloud Service Management

CMX Mobility Services

Meraki

Automation and Analytics

Apple iOS

ACI (APIC Data Center)

APIC Enterprise Module (APIC-EM)

Network Services Orchestrator (NSO)

WAN Automation Engine (WAE)

Prime Infrastructure

PNDA

Open Source

Open Daylight

OPNFV

Hardware Specifications

USGMII abd USXGMII

Physical and Virtual Network Elements

Cisco Open Device Programmability

Open Plug-n-Play

NX-OS

NX-API

IOS-XR

UCS E-Series

3rd Party Network Element

Programmability (ConfD)

Tools

Virtual Internet Routing Lab (VIRL)

NeXt UI Toolkit

YANG Development Kit (YDK)

TRex

Community of Interest

DNA

Meraki

APIC Enterprise Module (APIC-EM)

APIC-EM is an SDN controller for policy based automation of the network infrastructure, simplifying deployment and network operations. The built in applications IWAN, Path Trace and Plug and Play support enterprise routers, switches and Access Points. All capabilities are exposed via a REST API.

Get Started

- ✓ Guided Learning
- ✓ Read the Docs
- ✓ Join the Community & Conversation
- ✓ Get Support

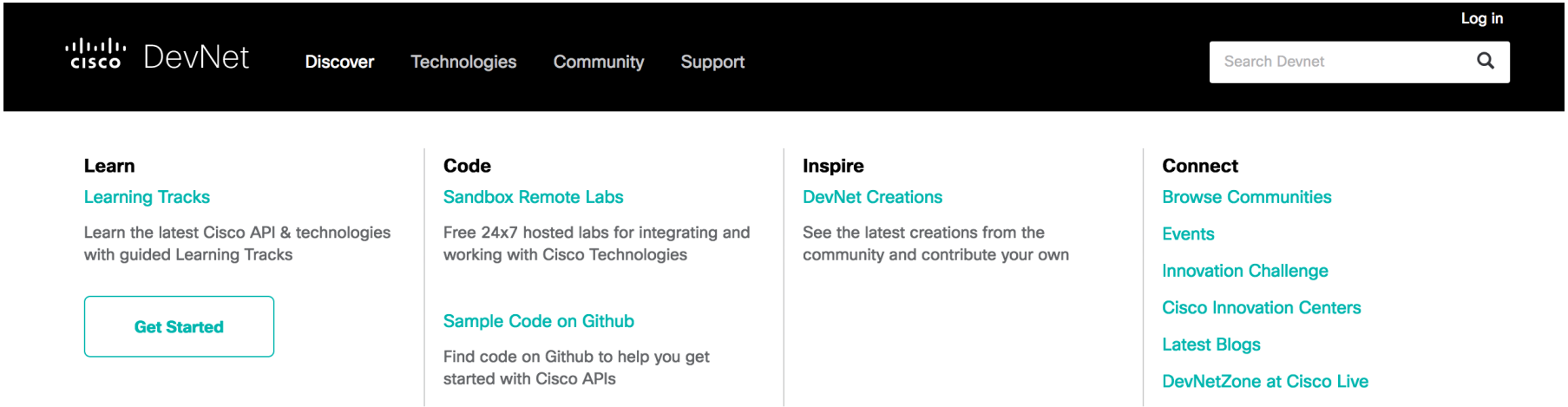
Learn how to code with APIC-EM API

FEATURED LEARNING TRACK

APIC-EM Programmability

Explore More Learning Labs

Coding 101 - REST Basics
Beginner · 20 mins



…there is more to **Discover**!

ToDo List – Check out:

- ❑ DevNet Events
- ❑ DevNet Learning Tracks
- ❑ DevNet Developer Sandbox
- ❑ DevNet Creations