

Programmability Webinar Series with DevNet

Session 1: Networking with Programmability is Easy

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Hostess: Kara Sullivan

Jointly presented by DevNet & NetAcad

October 17, 2018 reserved. Cisco Confidential

Welcome to the 1st session of the Programmability with Cisco DevNet webinar series

- Use the Q and A panel to ask questions.
- Use the Chat panel to communicate with attendees and panelists.
- A link to a recording of the session will be sent to all registered attendees.
- Please take the feedback survey at the end of the webinar.

Programmability with Cisco DevNet Series

- Networking with Programmability is Easy!
- Software Defined Networking & Controllers
- The New Programmable
 Toolbox of a Network Engineer
- Before, During, and After a Security Attack
- 9 Automate Your Network with a Bot

- Role of a Network Engineer in the Programmable Age
- Adding API Skills to Your Networking Toolbox
- Program Networking Devices using their APIs
- Play with Linux and Python on the Networking Devices

Thank You

for taking the time to be with us today!





Agenda

- 1 The Webinar Series
- 2 Why Partnering with DevNet?
- 3 DevNet Introduction & Use Cases
- 4 Co-Authored Content
- 5 Q&A



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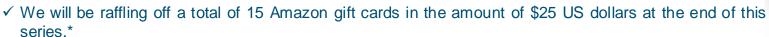
The Webinar Series

Topic Date Oct'18 Networking with Programmability is Easy Oct'18 A Network Engineer in the Programmable Age Nov'18 Software Defined Networking and Controllers Jan'19 Adding API Skills to Your Networking Toolbox Feb'19 The New Toolbox of a Networking Engineer Mar' 19 Program Networking Devices using their APIs Apr'19 Before, During, and After a Security Attack May'19 Play with Linux & Python on Networking Devices Jun'19 Automate your Network with a Bot

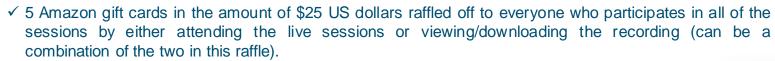
More info: https://www.netacad.com/content/devnetacad-reloaded-webinar-series

The Webinar Series - Raffle & Certificates

Raffle







^{*} Please note that this is a raffle and not everyone who qualifies will receive a gift card. There will be a total of 15 winners.

Certificate of Participation

- ✓ There will be an opportunity to sign up for a Certificate of Participation at the end of this series.
- ✓ To qualify, you must have participated in all sessions of the series.
- ✓ You can do this by attending the live sessions, viewing the recordings, or a combination of the two.
- ✓ Certificates will not be given out for individual sessions, but for the series as a whole.







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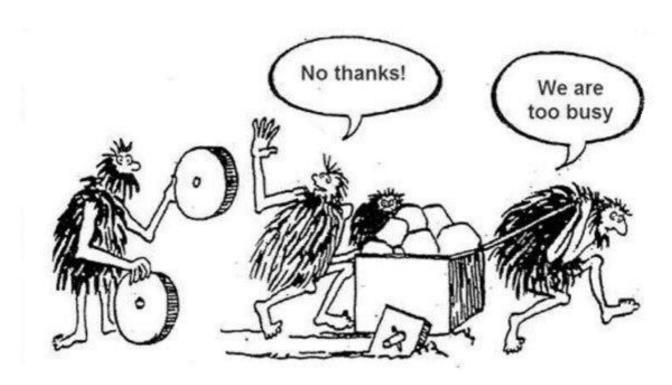








Businesses & Adaptability



The Digital Disruption... 2 years later!



Even Cisco had to undergo a successful transformation!



At The Core of Cisco's Strategy



Programmability



Agenda

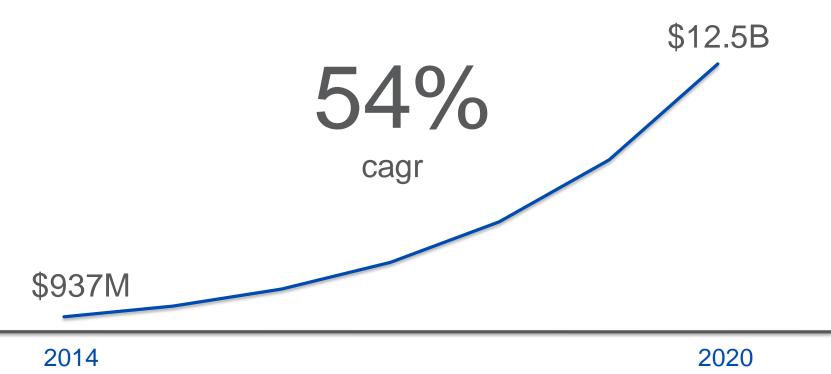
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What is DevNet?
Cisco's Developer
Community and Platform
for Innovation

Why DevNet? Catalyzes Innovation on Programmable Networks



Growth in Programmable Networks





We know what Apple and Google developers do...



Ecosystem generated great value and business success

What do Cisco developers do?



Innovation with network programmability across the industry

DevNet Building an Industry Ecosystem

Enabling Industry
Partners & Students





Vibrant Developer Ecosystem



Catalyze & Accelerate Digitization

Cisco's Developer Community and Innovation Ecosystem

Cisco's portfolio as a Platform for Innovation



Developer

customer

as the



















"Most Significant Roles" Span IT Functions

No matter your current role, or your interest, these "most significant" IT roles can be part of your career in IT.



Data Management/ Analytics

- BI Analyst
- BI Architect/Developer
- Data Engineer
- Data Scientist
- Database Architect



Cyber Security

- Cyber/Information
 Security Engineer
- Security Specialist



IT Infrastructure

- Network Engineer/ Architect
- Network/Systems
 Admin
- Systems Analysi
- Social Media Manager/ Admin
- Computer Support
 Specialist



Software/ Applications Development

Machine Learning Designer/Developer/

- Engineer Engineer
- Mobile App Developer
- SW Developer/Engineer
- UI/UX Designer/
 Developer
- Web Developer

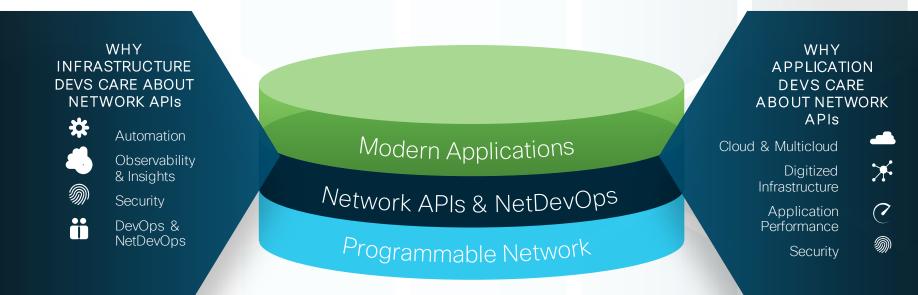


Digital Transformation

- Change Management
- IoT Designer/ Engineer
- Transformation
 Consultant



Bringing Together Applications and Networking Infrastructure



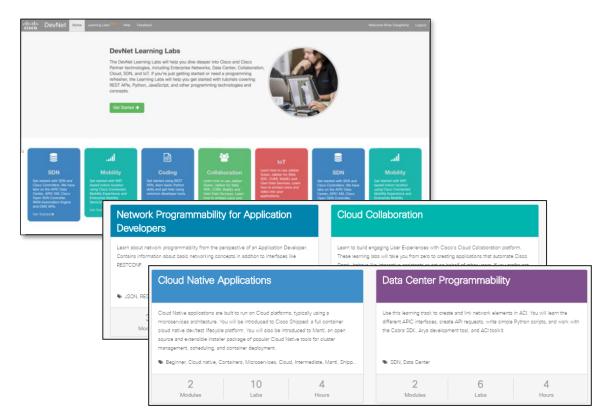
Explore DevNet Resources

All the development tools, in one place, ready to use https://developer.cisco.com/



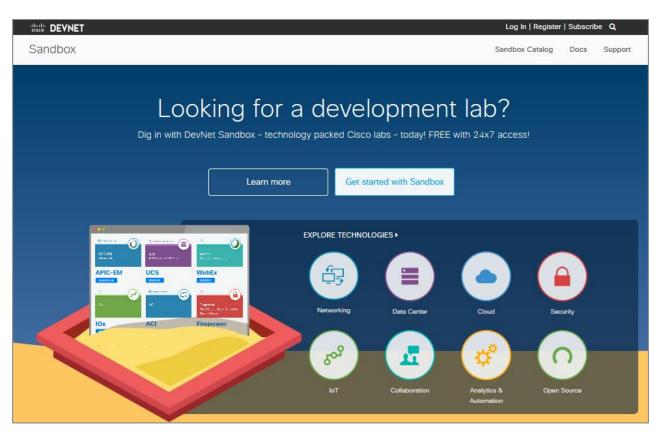
DevNet Self-Paced Learning Labs & Video Courses

Self-paced, step-bystep tutorials on a wide-range of application development and infrastructure development topics!



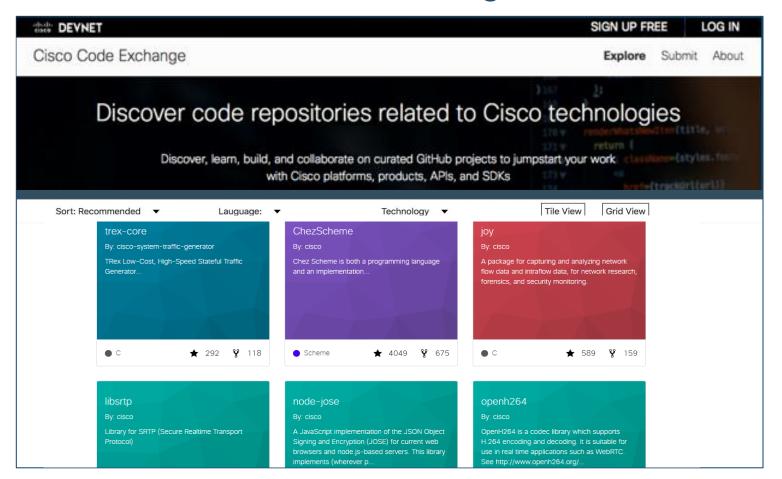


DevNet Sandboxes: Remote Labs to Test Code





DevNet Tools: Code Exchange



Cisco DevNet Ecosystem Exchange One-Stop for All Ecosystem Solutions





















Cities. Simplified.























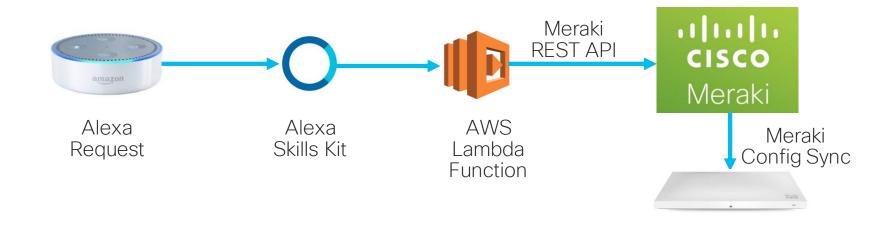
DevNet Powers a New Type of Ecosystem Solution

APPLICATIONS
MEET
NETWORKS
INDOOR
WAYFINDING





Meraki Alexa Utilizing REST APIs



Enable and Disable Store WiFi: https://learninglabs.cisco.com/lab/Meraki_Alexa/step/1

Old City Braga, Portugal - New Smart City Solution

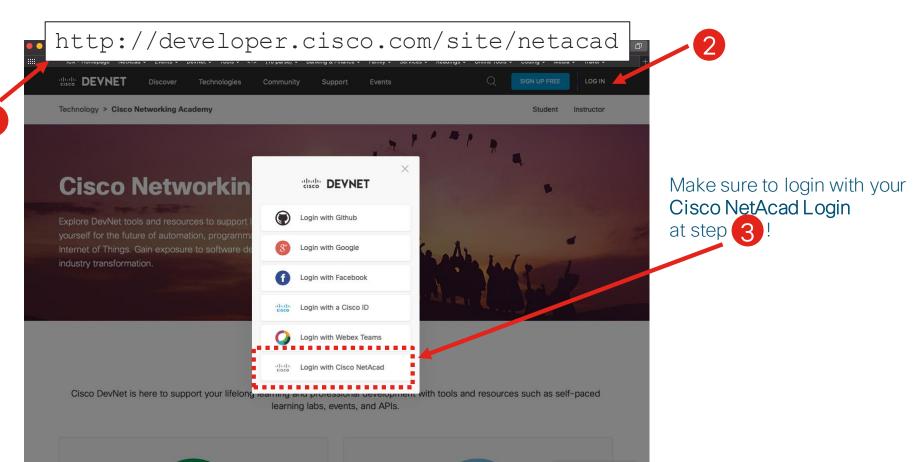






"Thanks to this solution we have enhanced our customer's experience to a new and higher level while connecting all the corners of the city and projecting a new way of thinking regarding all the IoT projects." -Rui Martins, TUB Project Manager

Check out more on the DevNet community





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Networking Academy's Offering

NetAcad and DevNet have co-authored two workshops to help you walk the first few steps in the DevNet world:



Network Programmability



REST APIs using WebEx Teams

We will be releasing more content in the coming few months.

Workshop: REST APIs using WebEx Teams



Experiment with REST API technology using Webex Teams collaboration platform and learn to extend an application's capabilities using REST API technologies.

- Type: Instructor-Led
- Level of difficulty: Intermediate
- Estimated time to complete: 8 hours
- Prerequisites: Basic programming knowledge (Python preferred).

More info: https://www.netacad.com/courses/programming/workshop-rest-apis-using-webex-teams, All rights reserved. Cisco Confidential

Workshop: Network Programmability



Create applications and automate tasks using a programmable device in this workshop. Hone skills in operating a controller-based network and automating management tasks using Cisco's controllers in the virtual Cisco DevNet Sandbox – just like the professionals!

- Type: Instructor-Led
- Level of difficulty: Intermediate
- Estimated time to complete: 8 hours
- Prerequisites: Basic programming knowledge (Python preferred) and CCENT (CCNA R&S RSE course) or equivalent networking skills.

More info: https://www.netacad.com/courses/networking/workshop-network-programmability

How can I get started?

Contact your Networking Academy Instructor and ask them to run an Emerging Technology Workshop!



Network Programmability

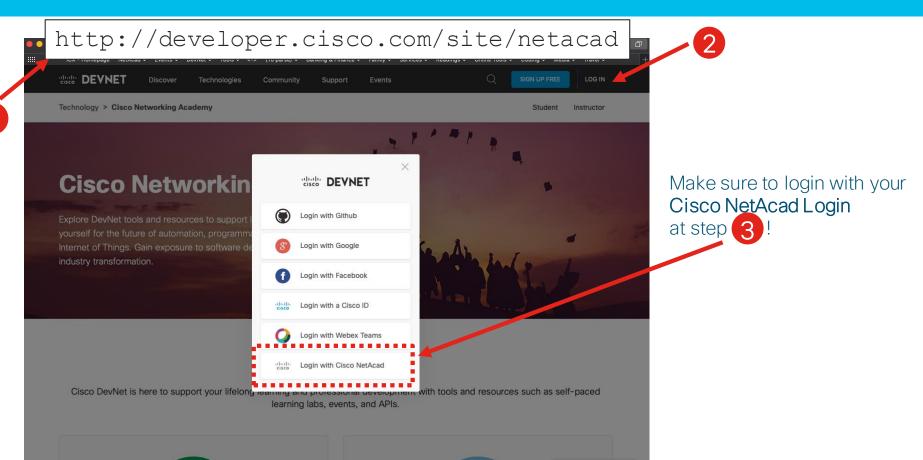
https://www.netacad.com/courses/networking/workshop-network-programmability



REST APIs using WebEx Teams

https://www.netacad.com/courses/programming/workshop-rest-apis-using-webexteams

Want to learn more about the DevNet community?



Questions?



Next Session:

#2 The Role of a Network Engineer in the Programmable Age



- 31 October, 10:00 A.M. Pacific Standard Time

Registration & Details available at: http://bit.ly/devnet2



Thank You!



cisco