

# Preparing students for the changing IT industry NetAcad update

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# Cisco's portfolio evolution: The New Network

To enable automation and IT operations







Intent-based Networking

Users, Devices, Apps, Security Intent & Policy



#### Multi-Domain Networking

Enterprise, Data Center, Service Provider, Security



#### APIs and Programmable

Automation, Agility, Scale DevOps & CI/CD

### World of Networking Engineers

### World of Software Developers



#### Automation

Software-defined infrastructure programmability



#### **Application Economy**

Speed of development, shift from IT to LOB, cloud offers quick and easy



#### Multi-Cloud

New expectations for speed, scale, and security



#### **Internet of Things**

Connectivity increases value, edge computing and analytics



#### AI/ML & Business Insights

For increased performance, reliability, and security



#### **DevOps & Cloud**

Powerful developer tools, APIs and open source, CI/CD and DevOps are enablers

# The IT Team of the Future

World of Networking Engineers



#### World of Software Developers

# Cisco will help build this

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# Certifications drive key skills for innovation and scale



Of CEOs say their company is facing disruptive change driven by digital technologies





Of CEOs say their company doesn't have the skills to adapt Of technology execs/managers believe technical certifications are a critical success factor

## Introducing Cisco's new certification suite Cisco Certifications



# **Certifications Changes**

#### <u>Associate</u>

CCNA R&S	New CCNA
CCNA Cyber Ops	CyberOps Associate
CCNA Security	
CCNA Cloud	
CCNA Collaboration	
CCNA Da <b>Training cre</b>	dential
CCDA	
CCNA Industrial	
CCNA Service Provid	der
CCNA Wireless	

#### **Professional**

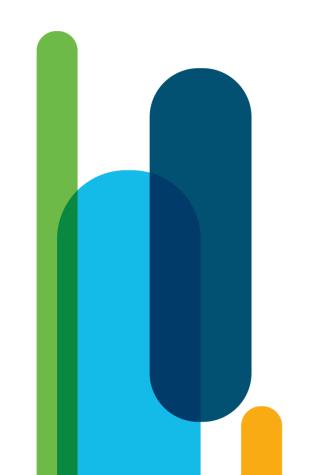


#### Expert

CCIE Collaboration	
CCIStreamlined to 5	
Technology tracks: CCDE Enterprise	
CCIE Security • Data Center	
CCIE Seollaboration	
Service Provider  CCIE Service Provider	
CCIE Wireless	



# What Does it Mean to NetAcad?



# Networking Academy, but even better

#### Same

- Innovative courses with strong outcomes
- Aligned to industry recognized certifications
- Powerful learning tools to simulate work scenarios
- Real connections to job
- Professional development and tools to assist instructors
- Digitally delivered

#### New

#### CCNA/CCNP courses and Cyber/Security courses:

- Prepares for the new Cisco CCNA and CCNP certifications
- CCNA CyberOps course will change to CyberOps Associate
- CCNA Security course will transform to NetAcad Network Security

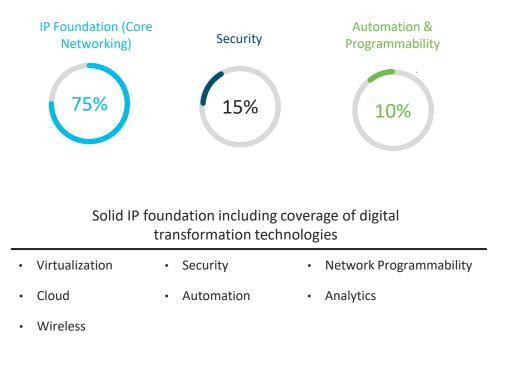
#### Offering that aligns to DevNet Associate certification:

- Creating new opportunities for students to develop programming skills applicable to intent-based networking
- Prepares for the new Cisco DevNet Associate Certification

#### **Digital Badging:**

- · Provides professional recognition as it's earned along the learning path
- Allows students to validate skills throughout their career

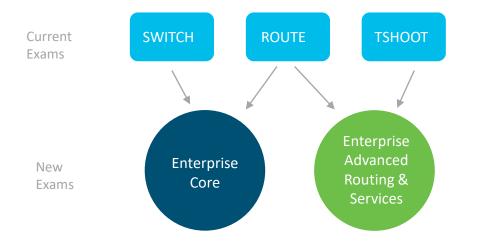
# **Closer Look at New CCNA**





#### **Download Certification At-a-glance**

# **Closer Look at CCNP Enterprise**



Leverages ROUTE/SWITCH/TSHOOT topics and labs with addition of:

- Virtualization
- Wireless
- Network Programmability

- Automation
  ·
- Analytics



#### **Download Certification At-a-glance**

# Cisco Certified CyberOps Associate Certification and Training Program

#### Introducing the new Cisco Certified CyberOps Associate certification program

As the sophistication, stealth, and frequency of cybersecurity threats continue to increase, the need for cybersecurity operations personnel has accelerated. Globally, cybersecurity jobs continue to grow at a rate of 8.2%<sup>1</sup> annually. Cybersecurity functions continue to augment staff with specialized cybersecurity operations personnel or establishing dedicated Security Operations Centers (SOCs). Cybersecurity operations trained personal provide the "defense" skills that complement the cybersecurity team.

The updated Cisco Certified CyberOps Associate certification program gives you the foundational skills and knowledge you need to begin a career in cybersecurity operations. We designed the program to help you become a valuable member of a SOC. The certification validates the fundamentals needed for associate-level SOC job roles, with one exam and one training course to help you prepare. The exam and training cover knowledge and skills related to security concepts, security monitoring, host-based analysis, network intrusion analysis, and security policies and procedures.

From one of industry's leading provider of security solutions and certifications, the new CyberOps Associate certification and training program is your pathway to a career in cybersecurity operations. And the process couldn't be simpler: pass one exam and you are on your way.

#### **Benefits**

- Launch your career in cybersecurity operations with the new Cisco® Certified CyberOps Associate certification
- Master the essentials to prevent, detect, and respond to cybersecurity threats and breaches
- Rev up your resume with training and certification on cybersecurity operations knowledge and skills
- Boost your confidence by gaining real-world know-how
- Tell the world what you've achieved with a digital certification badge on your social media profiles

'IDC, 2019

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# Networking CISCO. Academy

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CISCO



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# **Closer Look at DevNet Associate Certification**

#### Cisco Certified DevNet Associate

#### Validate these skills

CISCO CERTIFIED

Associate

- Software Development skills (python, git, JSON)
- Ability to securely use REST APIs
- Understanding of containers, microservices, and CI/CD pipelines
- Infrastructure Automation & DevOps skills
- Knowledge of Cisco Platform Capabilities

#### **Deliver Outcomes**

- Build software applications as part of a team
- Build Network Automation scripts
- Build tools for logging, monitoring and testing



Creates opportunities to attract new instructors, departments and academies



52k+ NetAcad users already using DevNet (13% of total)



Emerging Tech Workshops & programming courses target network programmability



New course offering

# Suite of Digital Badges

#### Cisco Badges

#### **Certification Badges**



Pass Certification Exam

#### **Training Badges**



Completion of Training course and passing assessment

#### Learning Badges



#### **Recognition Badges**



**NetAcad Badges** 

- Resume-worthy skills
- Completion of NetAcad courses & passing assessments
- Complements Certificate of Completion

- Instructor recognition
- Academy recognition

## Upcoming activities and initiatives

- CCNA v7 adoption readiness seminars (5 days): Feb, May, Jun
- Programmability workshop (1 day): Feb, Apr (2<sup>nd</sup> half)
- Networking Academy Games 2020 (national): Apr 2, TUKE
- Annual CZ/SK NetAcad conference: Jun 11-13, TUKE
- Summer school 2020: instructor (and student) training

# Key takeaways

- Networking Engineers + Software Developers = IT Team of the future
- Industry certification remains extremely important for job market
- NetAcad CCNA: 4 courses -> 3 courses
- NetAcad CCNP: 3 courses -> 2 courses
- NetAcad CCNA CyberOps -> CyberOps Associate
- New DevNet Associate course opportunity to engage more students
- ASC and ITCs are supporting changes by 'bridge courses'
- Changes require support of the school management

# **CISCO** Academy