Networking Academy
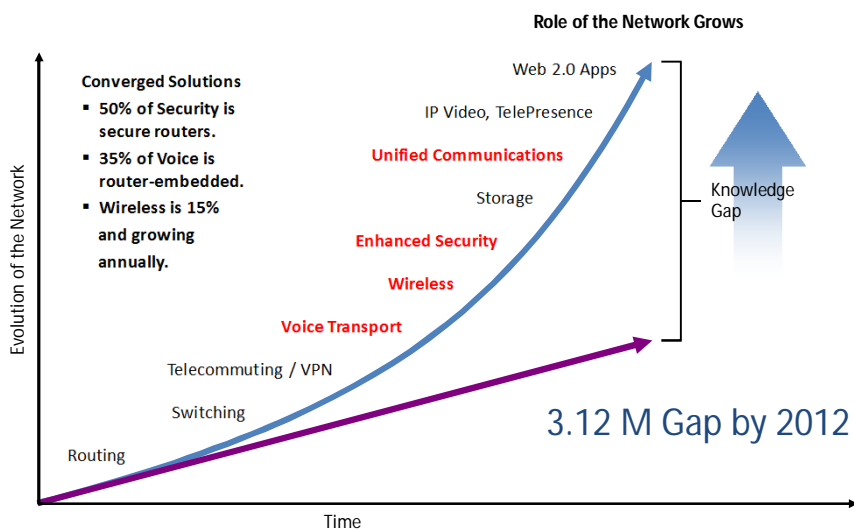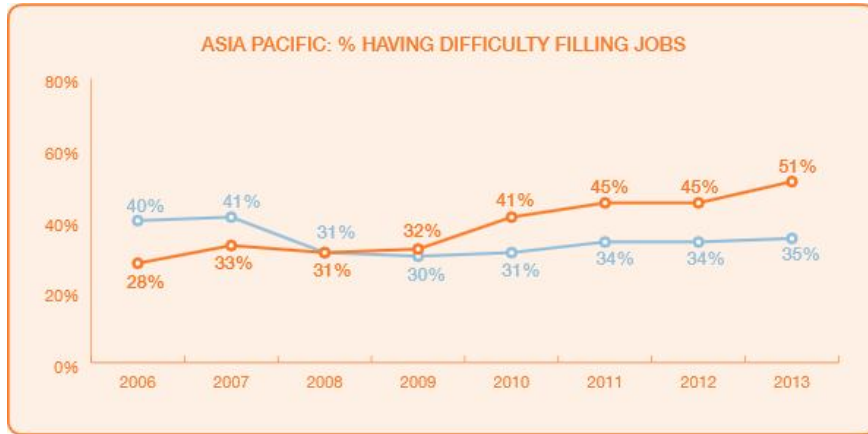# Bridging the GAP

Eko Prasetyo
ITC – Instructor Trainer
ASC – Support Advisor

Situation: Global IT Talent Gap Challenge

Role of the Network Grows

Converged Solutions

- **50% of Security is secure routers.**
- **35% of Voice is router-embedded.**
- **Wireless is 15% and growing annually.**

Web 2.0 Apps

IP Video, TelePresence

Unified Communications

Storage

Enhanced Security

Wireless

Voice Transport

Telecommuting / VPN

Switching

Routing

Evolution of the Network

Knowledge Gap

3.12 M Gap by 2012

Time

2013 Talent Shortage Survey

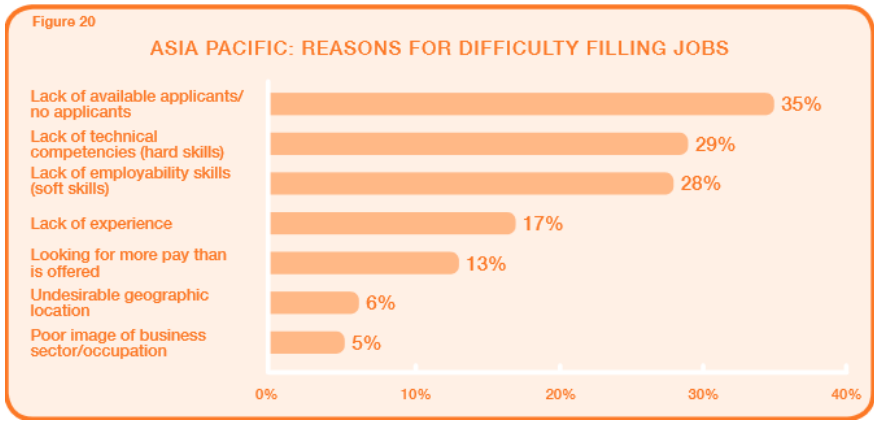ASIA PACIFIC: % HAVING DIFFICULTY FILLING JOBS

http://www.manpowergroup.com

2013 Talent Shortage Survey

ASIA PACIFIC: TOP 10 JOBS EMPLOYERS ARE HAVING DIFFICULTY FILLING

1 | SALES REPRESENTATIVES
2 | ENGINEERS
3 | TECHNICIANS
4 | MANAGEMENT/EXECUTIVES
5 | ACCOUNTING & FINANCE STAFF
6 | IT STAFF
7 | SKILLED TRADES WORKERS
8 | SALES MANAGERS
9 | LABORERS
10 | RESEARCHERS (R&D)

http://www.manpowergroup.com

2013 Talent Shortage Survey

Figure 20

ASIA PACIFIC: REASONS FOR DIFFICULTY FILLING JOBS

Reason	Percentage
Lack of available applicants/no applicants	35%
Lack of technical competencies (hard skills)	29%
Lack of employability skills (soft skills)	28%
Lack of experience	17%
Looking for more pay than is offered	13%
Undesirable geographic location	6%
Poor image of business sector/occupation	5%

0% 10% 20% 30% 40%

http://www.manpowergroup.com

Bridging the Gap for Students

Learning CCNA Discovery and Exploration → Take New Certification Exams

CCNA Routing and Switching Curriculum

- Align to CCENT and CCNA Routing and Switching certifications
- Major content revision to incorporate technology changes
- Improved instructional design
- The courses map to globally recognized certifications to help students and alumni stand out in the job market and demonstrate their skills and competencies to employers
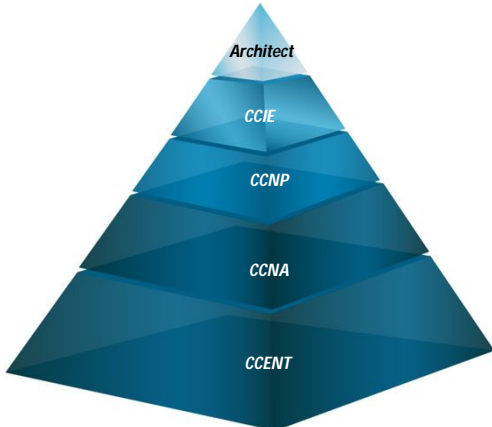
Market Shifts in Networking Skills

- Shrinking gap in general networking (routing and switching) skills
- Essential and emerging networking technologies skills gap is large and growing
  - Essential: Security, Voice, Wireless
  - Emerging: Data Center, Cloud, Video

Source: IDC Skills Gap research, Jan-Apr 2013

Cisco Certifications

- •Cisco Certified Architect
- •Cisco Certified Infrastructure Expert (CCIE)
- •Cisco Certified Network Professional (CCNP)
- •Cisco Certified Network Associate (CCNA)
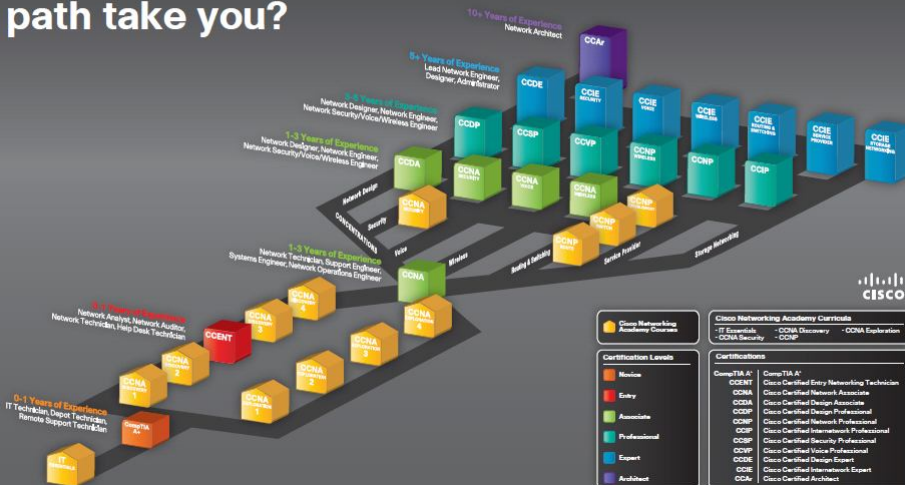- •Cisco Certified Entry Networking Technician (CCENT)

Redesigned Cisco CCNA Certifications

Associate Level Advanced Technology Certifications

CCNA Composite Certification Exam

| CCNA Routing and Switching (ICND2 exam) | CCNA Security | CCNA Voice | CCNA Wireless | CCNA SP Ops | CCDA |

Entry Level Pre-Requisite Certification

CCENT (ICND1 exam)
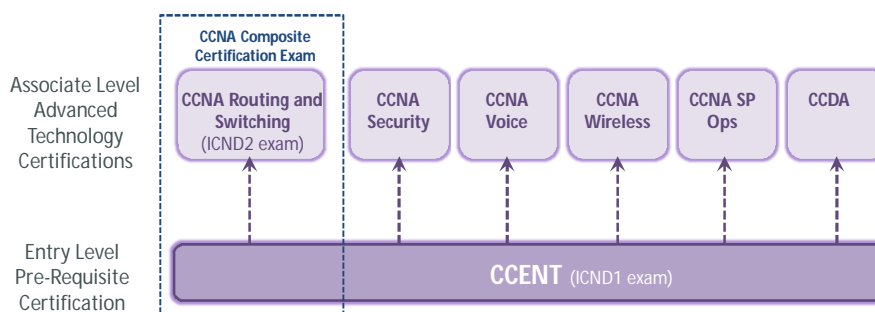
- **CCENT** is the new pre-requisite certification for advanced technology certifications
- CCNA Routing and Switching *retains a single exam option*, **CCNA Composite**
- NetAcad CCNA Routing and Switching curriculum aligns to the redesign of the Cisco CCENT and CCNA Routing and Switching certification exams

Get Ready for a 'Mind Wide Open' Future
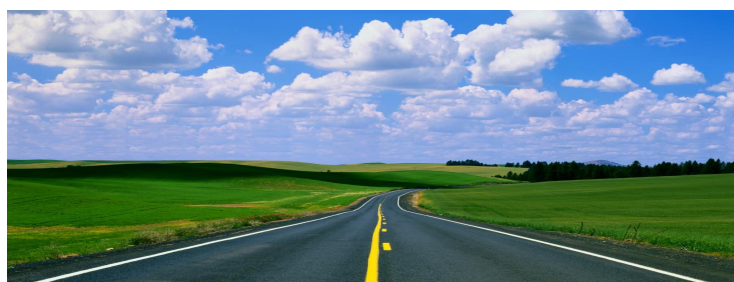
- Strategically, CCNA Routing & Switching courses continue to move toward greater certification alignment for market relevance
- Streamlining number of CCNA R&S courses over time = increased opportunities to invest in high demand advanced technologies

Courses and Certifications

Courses	Certifications	Description	Associated Career Paths
IT Essentials: PC Hardware and Software	CompTIA A+	The CompTIA A+ certification for computer support technicians demonstrates competence in areas such as installation, preventative maintenance, networking, security, and troubleshooting.	IT technician IT administrator Field service technician
CCNA Routing and Switching 1 - 2	CCENT	The Cisco CCENT certification for entry network technicians validates the ability to install, operate, and troubleshoot a small enterprise branch network and perform basic network security tasks.	Help desk technician Network support technician
CCNA Routing and Switching 1 - 4	CCNA	The Cisco CCNA certification for network associates validates the ability to install, configure, operate, and troubleshoot medium-sized routed and switched networks, and implement and verify connections to remote sites in a wide-area network (WAN).	Network administrator Network installer Network engineer

Courses and Certifications

Courses	Certifications	Description	Associated Career Paths
CCNA Security	CCNA Security	The Cisco CCNA Security certification for network security professionals validates the knowledge needed to install, troubleshoot, and monitor Cisco network security devices; develop a security infrastructure; recognize network vulnerabilities; and mitigate security threats.	Network security specialist
CCNP Routing CCNP Switching CCNP Troubleshooting	CCNP Routing CCNP Switching CCNA Troubleshooting	The Cisco CCNP certification for network professionals validates the knowledge and skills needed to install, configure, and troubleshoot converged local and wide area networks, and manage routers, switches and edge applications that integrate voice, wireless, and security into the network	Level II network engineer Network technician

Importance of CCNA Certificate

- A CCNA can help technology pros better familiarize themselves with the network OS's fundamentals, while simultaneously strengthening their resume critical component of enterprise systems.
- iPhones, Blackberries, iPads, Androids, laptops, etc., there is trend towards moving away from traditional PC's, and why a Cisco Certified Network Associate certification is an appealing accreditation for 2013. Many senior level system and network administration careers, and IT Manager positions all highlighted this skill set.
- This is another example of one of Cisco's finest certification courses. The CCNA will prepare IT professionals for the ability to install and configure routed and switched networks, while applying the basic principles of operation and troubleshooting.
- Cisco Certified Network professional or CCNP certification is number 9 on the list of highest paying technical certifications. The average annual salary reported by CCNP holders is $84,161.

Home / 10 Things

10 Things
The 10 best IT certifications: 2012
By Erik Eckel | March 26, 2012, 6:34 AM PDT

The 5 best IT certifications of 2013

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30

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Top 10 IT Certifications for IT Professionals in 2013
JANUARY 22, 2013

Top 15 Highest Paying Certifications in the Technology Industry
From Laura Schneider, former About.com Guide

The 10 best IT certifications: 2012

No	In-Demand Certifications
1	MCITP: Enterprise Administrator on Windows Server 2008
2	MCTS: Microsoft Certified Technology Specialist
3	VCP: VMware Certified Professional
4	CCNA: Cisco Certified Network Associate CCIE: Cisco Certified Internetwork Expert
5	CSSA: Certified SonicWALL Security Administrator
6	PMP: Project Management Professional
7	CISSP: Certified Information Systems Security Professional
8	ACSP: Apple Certified Support Professional
9	CompTIA's Network+ and A+
10	CompTIA Healthcare IT Technician

http://www.techrepublic.com/blog/10-things/the-10-best-it-certifications-2012/

Best Computer Networking Certifications for 2014

No	
1	MCSE: Microsoft Certified Solutions Expert
2	CCNP: Cisco Certified Network Professional
3	RHCE: Red Hat Certified Engineer
4	CompTIA Network+
5	CWNA: Certified Wireless Network Administrator

http://www.tomsitpro.com/articles/networking-certifications,2-208.html

15 Top Paying Certifications for 2013

1	PMP: Project Management Professional	$105,750
2	CISSP: Certified Information Systems Security Professional	$103,299
3	MCSD: Microsoft Certified Solutions Developer	$97,849
4	MCDBA: Microsoft Certified Database Administrator	$95,950
5	CCDA®: Cisco Certified Design Associate	$94,799
6	MCAD: Microsoft Certified Application Developer	$93,349
7	VCP-DV: VMware Certified Professional Datacenter Virtualization	$92,400
8	CNE: Certified Novell Engineer	$91,350

15 Top Paying Certifications for 2013

9	Information Technology Infrastructure Library - v3 Foundation	$90,900
10	CCA: Citrix Certified Administrator - Citrix XenServer 6	$90,850
11	MCITP: Database Administrator	$90,200
12	MCTS: SQL Server 2005	$90,100
13	MCT: Microsoft Certified Trainer	$89,949
14	CCNP®: Cisco Certified Network Professional	$89,749
15	CCA: Citrix Certified Administrator - Citrix XenDesktop 5	$89,499

http://www.globalknowledge.com/training/generic.asp?pageid=3430

Top 15 Highest Paying Certifications in the Technology Industry

		Average Annual Salary
1	PMI Project Management Professional (PMP)	$101,695
2	PMI Certified Associate in Project Management (CAPM)	$101,103
3	Information Technology Infrastructure Library – v2 Foundation	$95,415
4	Certified Information Systems Security Professional (CISSP)	$94,018
5	Cisco CCIE Routing and Switching	$93,500
6	Cisco CCVP - Certified Voice Professional	$88,824
7	Information Technology Infrastructure Library – v3 Master	$86,600
8	MCSD - Microsoft Certified Solution Developer	$84,522

Top 15 Highest Paying Certifications in the Technology Industry

9	Cisco CCNP - Cisco Certified Network Professional	$84,161
10	Red Hat Certified Engineer	$83,692
11	MCITP - Microsoft Certified IT Professional (Enterprise)	$82,941
12	Cisco CCSP - Cisco Certified Security Professional	$80,000
13	MCAD - Microsoft Certified Applications Developer	$79,444
14	MCITP - Microsoft Certified IT Professional (Database)	$77,000
15	MCDBA - Microsoft Certified Database Administrator	$76,960

http://jobsearchtech.about.com/od/educationfortechcareers/tp/HighestCerts.01.htm

Webinar: Using your Personal Strengths for Career Success

- Webinar: Using your Personal Strengths for Career Success

- Date: 12 December 2013

- Time: 10h PST (San Jose, California)

- 1pm EST (New York)

- 19h Central European Time (Amsterdam)

- 23:30 IST (Delhi)

- Click here to register for this free event.
- https://cisco.webex.com/cisco/onstage/g.php?t=a&d=209673222

Terima kasih

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