CompTIA Product Update

2016 Partner Summit

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refreshing existing products in 2017

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Refreshing certifications (2016 – 2017)

- Security+ (release Q3 2017)
  - *JTA begins August; get ready for SME requests*
  - Some bigger changes – IoT, mobile, and advanced persistent threats
  - End user support requiring a big change in social skills
- Project+ (planned release Q2 2017)
  - JTA complete; New Objectives released to Content Partners; Beta test coming soon
  - Updates consider existing audience, as well as need for entry-level non-technical PM knowledge
- Cloud+ (planned release Q4 2017)
  - JTA begins October
  - Release Q3 2017
- ITF (Start developing Q4 2017)
  - IoT
  - Database / search
  - Programming
  - Will be created with direct input from PM; different dev process

And of course, CSA+ . . .

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Cybersecurity Analyst+

Coming Q1 2017

Exam purpose

"This exam will certify that the successful candidate has the knowledge and skills required to configure and use threat detection tools, perform data analysis, interpreting the results to identify vulnerabilities, threats and risk to an organization with the end goal of securing and protecting applications and systems within an organization."

Currently in beta, as of June 30, 2016

Cybersecurity Analyst+ (cont'd)

Coming Q1 2017

Job roles

The Cybersecurity Analyst+ exam will demonstrate skills competence for key job roles shown below. Related job roles are included.

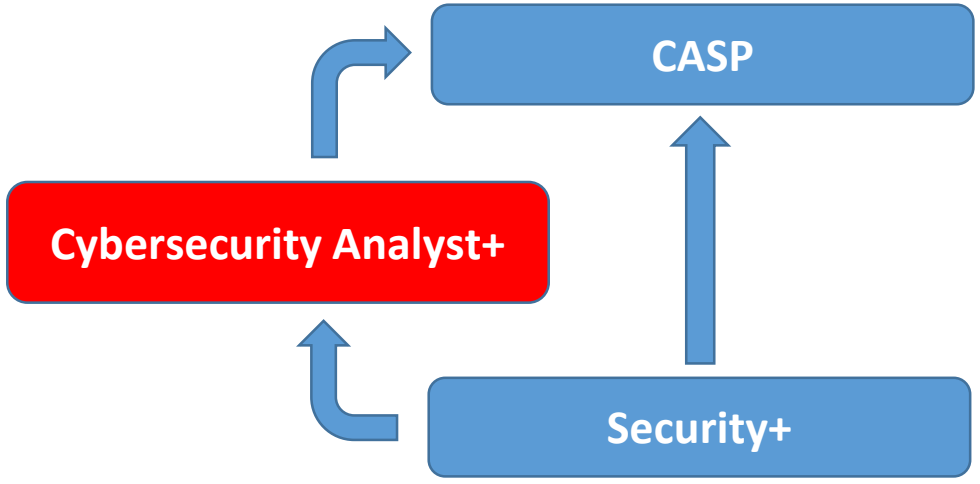
Key Job Roles	Related Job Roles
Security Analyst	Intrusion Detection System Analyst
Security Operations Center (SOC) Analyst	Risk Analyst
Vulnerability Analyst	Information Assurance Officer
Cybersecurity Specialist	Information Systems Security Officer
Threat Intelligence Analyst	Compliance Analyst
Security Engineer	Information Assurance Specialist
Information Systems Security Engineer	Threat Hunter

Cybersecurity Analyst+ (cont'd)

Coming Q1 2017

CompTIA cybersecurity certification path

Cybersecurity Analyst+ creates a certification path from Security+ to CASP, shown in Figure 1.



**The Figure 1 certification path is based on years of recommended experience: Security+ 2 years; Cybersecurity Analyst+ 2-3 years; and CASP 5-10 years.*

Cybersecurity Analyst+ (cont'd)

Coming Q1 2017

Security analysts require hands-on experience. Training must include virtual labs and software tools. Table 2 shows common open source tools used by security analysts, as determined by the security analysts that participated in the job task analysis workshop.

Open Source Software	Description	URL
Wireshark	Network protocol analyzer / packet capture tool	https://www.wireshark.org
Bro and/or Snort	Network intrusion detection systems (NIDS)	https://www.bro.org https://www.snort.org
AlienVault Open Source SIEM (OSSIM) with Open Threat Exchange [OTX])	Security Information and Event Management (SIEM) software	https://www.alienvault.com/products/ossim

retiring existing products in 2017

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Retiring products

- Healthcare IT (Q4 2016)
  - Already announced
  - Volume never lived up to promise
  - Topic important, but “not in our wheelhouse”

- Mobility+ (December 2017)
  - Job roles and skills are now covered in certs such as A+, Network+, and Security+
  - As of December 2017
  - Work with Tazneen on concerns

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investigating new products – 2017-2018

New product investigation

- No actual development plans
- We have a research methodology to follow
- Ideas nevertheless
  - Disaster Recovery / Business Continuity / Contingency planning
  - Data analytics / Business intelligence
  - IoT discussion
  - DevOps
  - Technical sales

Criteria

- What is the competition?
- Is it mapped to a job role?
- Is it mapped to a critical skill?
- Can this skill be taught through our channel or CompTIA Learning (vocational)?
- Can it be taught (cost)?
- Does it appeal to a large audience?
- Is it appropriate for a certification?
- Do corporations ask for it?
- Will customers want it?
- What is the total addressable market?
- What do our surveys say (Tim Herbert, informal gauges)?

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future vision for continuing education

New options

- We haven't changed the existing CE option
  - DOD specific
  - But, we need to diversify and include non-DOD individuals in CE
- To increase program appeal for all certification alumni we're *exploring* three new options:
  - Recertification exam
  - CompTIA Learning option (CertMaster)
  - CE KnowledgePath

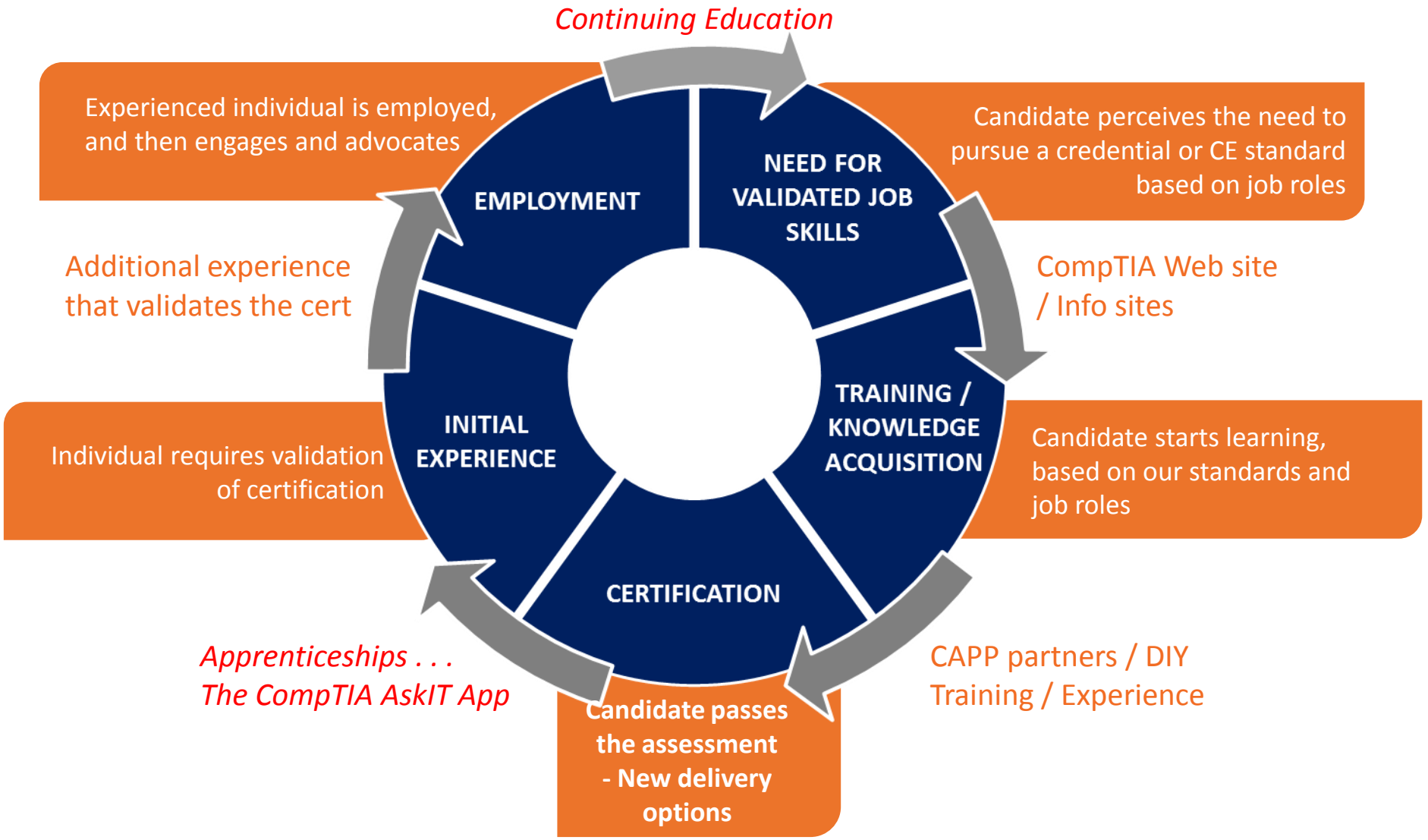
The CompTIA A+ Recertification Exam

(announced July 12)

- People can study for the new A+ exam by using existing courseware; very efficient
- Reseller opportunities: We're being cautious right now

the candidate's journey

The candidate's journey . . .



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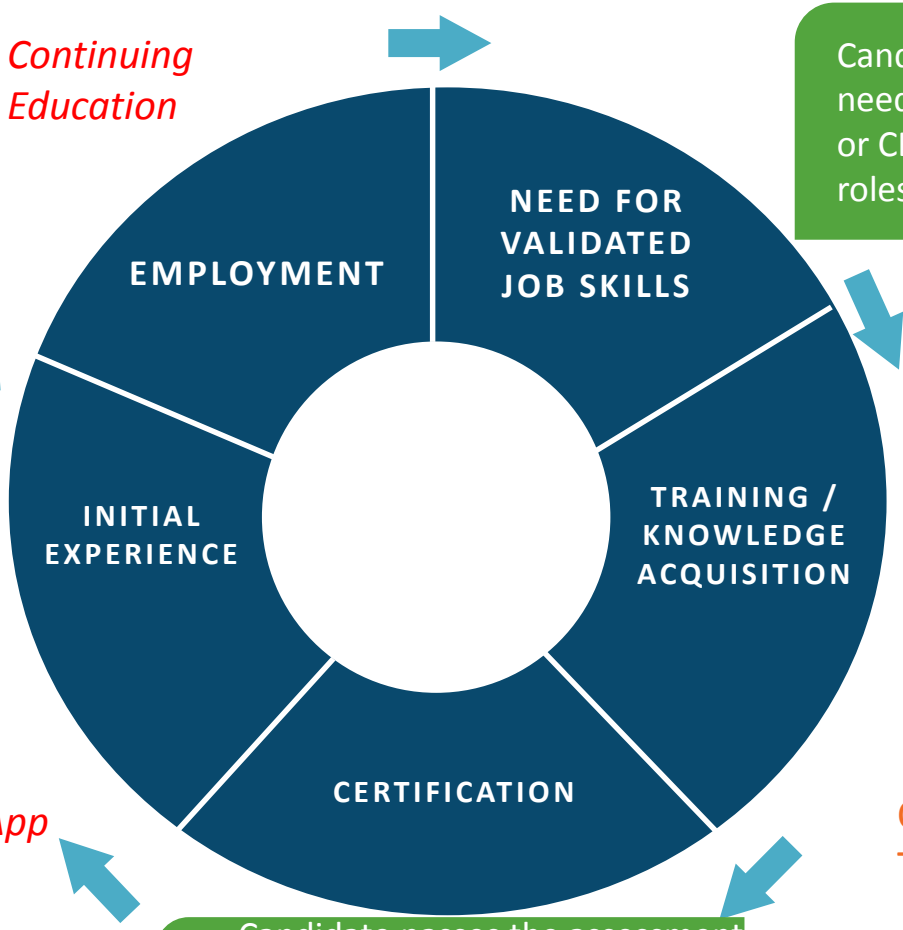
The candidate's journey . . .



Candidate perceives the need to pursue a credential or CE standard based on job roles

CompTIA Web site / Info sites

Candidate starts learning, based on our standards and job roles

CAPP partners / DIY Training / Experience

Candidate passes the assessment
- New delivery options

Apprenticeships . . .
The CompTIA AskIT App

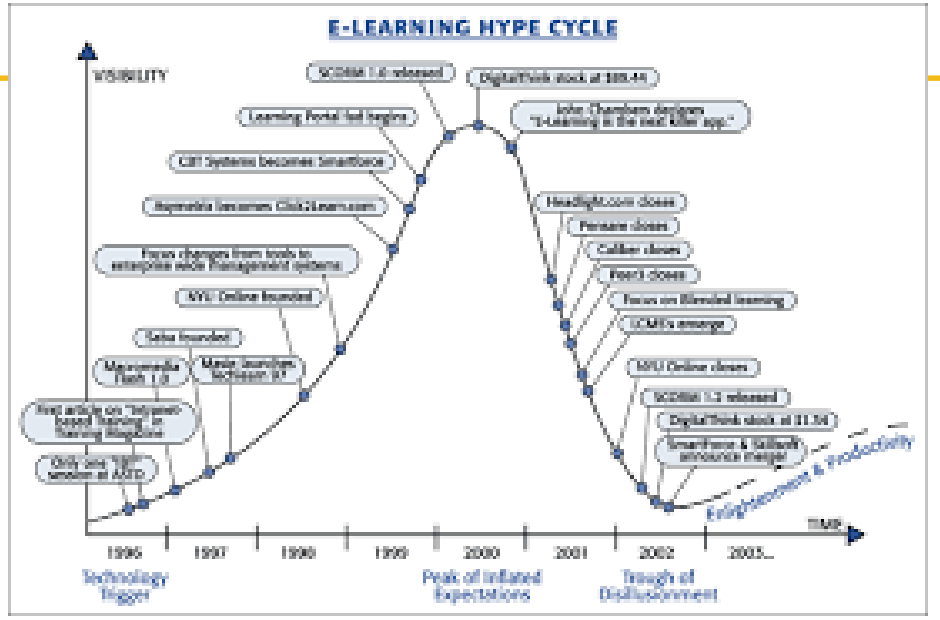
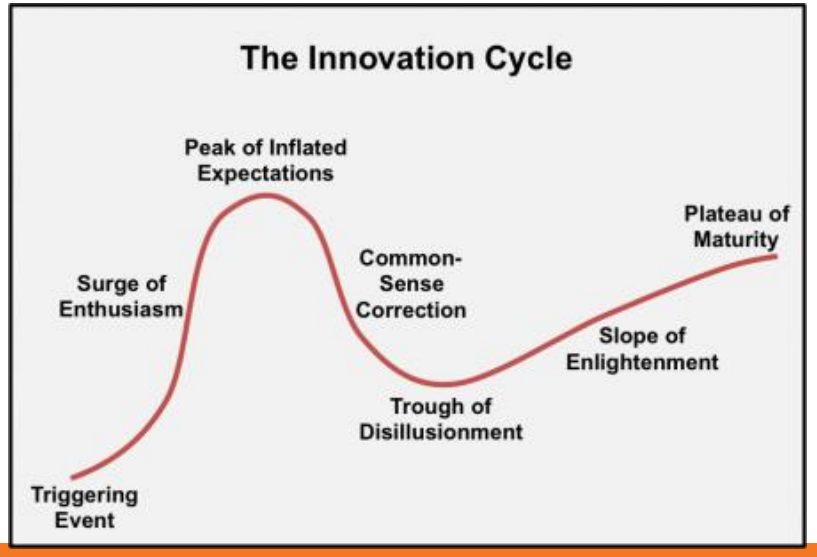
Individual requires validation of certification

Additional experience that validates the cert

Experienced individual is employed, and then engages and advocates

Continuing Education

innovation and adoption in the industry: A perspective

Cycles: Innovation and adoption

- Complaint: “Your certs aren’t new/updated enough.”
  - We update every 3 years or so
  - Customer says “tech changes every day” or ”every 18 months,” misquoting Moore’s Law
  - Assertion: Certs are outdated
- Response?
  - There’s a difference between innovation and *adoption*
  - We’re driven by industry
  - SMEs know the adoption cycle, which is the most relevant for IT careers