Data Analytics/Science Certification Focus Group

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CompTIA.

COMPTIA OVERVIEW

- Used as a qualifying credential in thousands of job ads across all industry segments

- Globally recognized, vendor-neutral & ISO 17024 compliant

- Minimize training costs & simplifies hiring processes for IT support roles
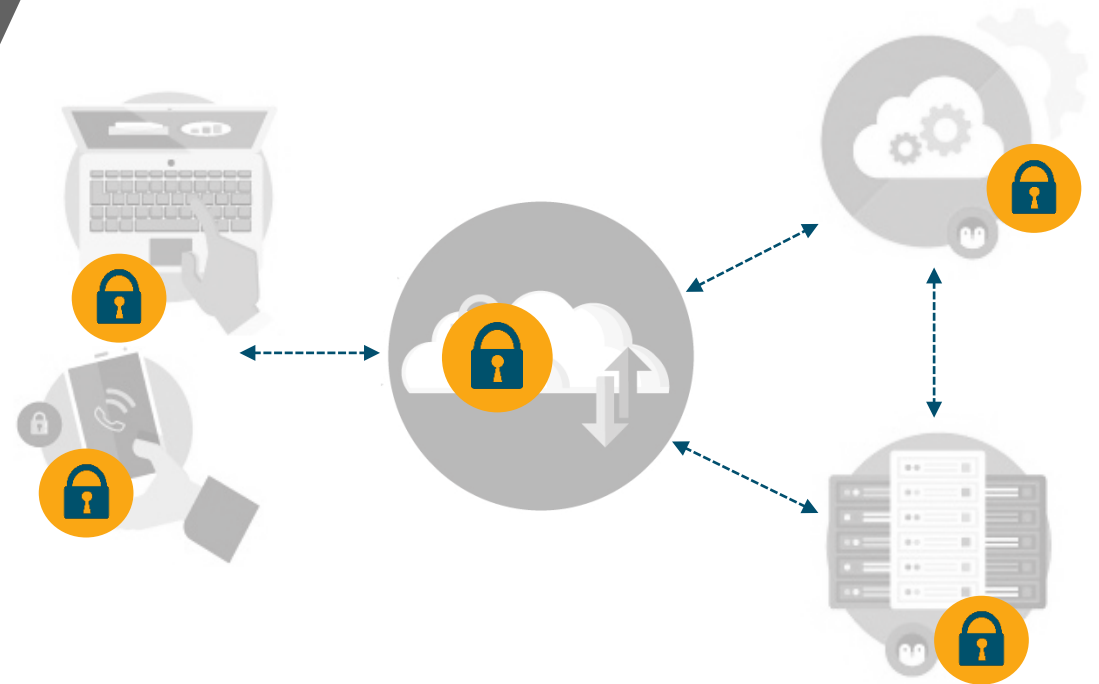
- Over 2 million CompTIA certified IT Pros

IT Cybersecurity and CompTIA Certifications

The CompTIA Cybersecurity Career Pathway helps IT pros achieve cybersecurity mastery, from beginning to end. The centerpiece is the CompTIA Security+ certification. It establishes the core knowledge required of any cybersecurity role and provides a springboard to intermediate-level cybersecurity jobs.
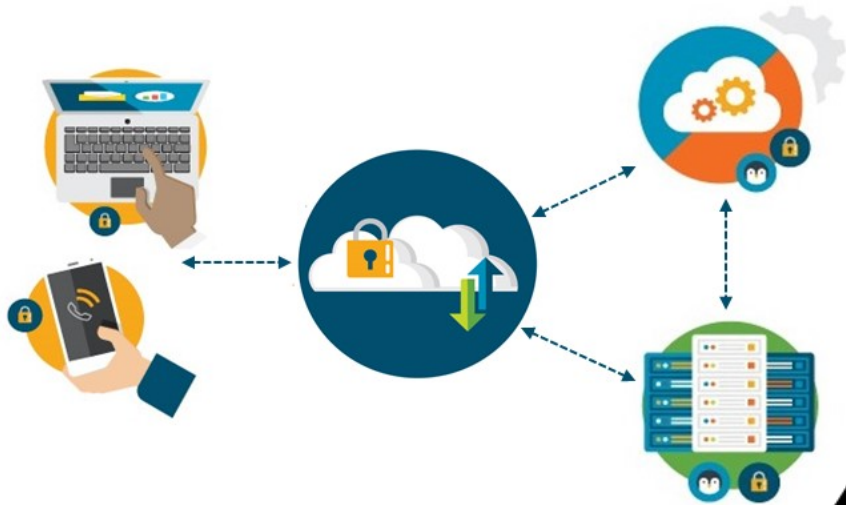
Baseline cybersecurity skills

No matter your job role within IT, an awareness of how your activities and work product impact an organization's security posture is a key part of your job. For IT infrastructure professionals, Security+ offers validation of the knowledge and skills required as a baseline. The cybersecurity skills gap cannot be closed by specialists alone; instead every IT pro will need to gain cyber competencies. It is the distribution of *security knowledge throughout an organization* that best equips an organization to mitigate risk in an age where every organization is a digital one.

INFRASTRUCTURE PATHWAY

CORE SKILLS CERTIFICATIONS

CompTIA IT Fundamentals+ → **CompTIA A+** → **CompTIA Network+** → **CompTIA Security+**

CompTIA Linux+ → **CompTIA Server+** → **CompTIA Cloud+**

CompTIA PenTest+

CompTIA CASP+

CompTIA CySA+

CYBERSECURITY PATHWAY

PROFESSIONAL SKILLS

CompTIA Project+   **CompTIA Cloud Essentials**   **CompTIA CTT+**
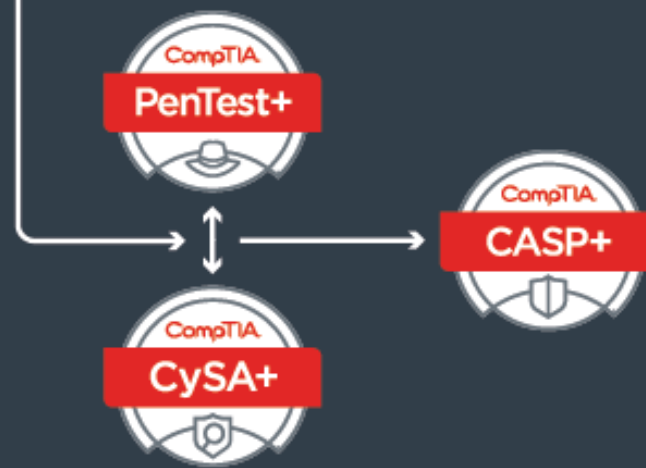
DATA CERTIFICATION EXPLORATION

IT Framework

The IT Framework defines technology operations and skills

Infrastructure

The hardware that provides the foundation for business systems

Development

The software that enables workflow and drives automation

Security

The technology, processes, and education needed for safe operations

Data

The management and analysis of information to provide insights
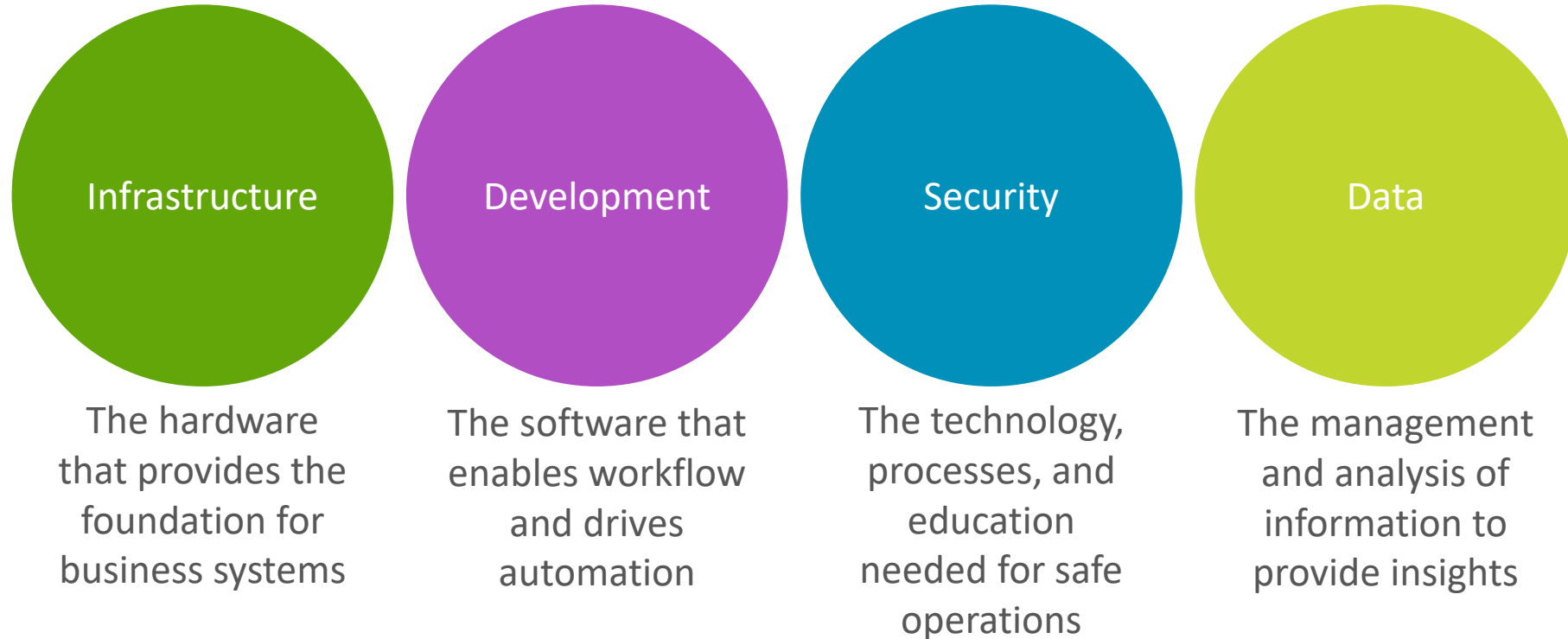
The IT Framework – Sample Roles

There are many different IT roles within the framework

System admin
Network admin
Help desk

Web dev
App dev
Product dev

Process mgt
Compliance
User education

DBA
Data analyst
Data visualization
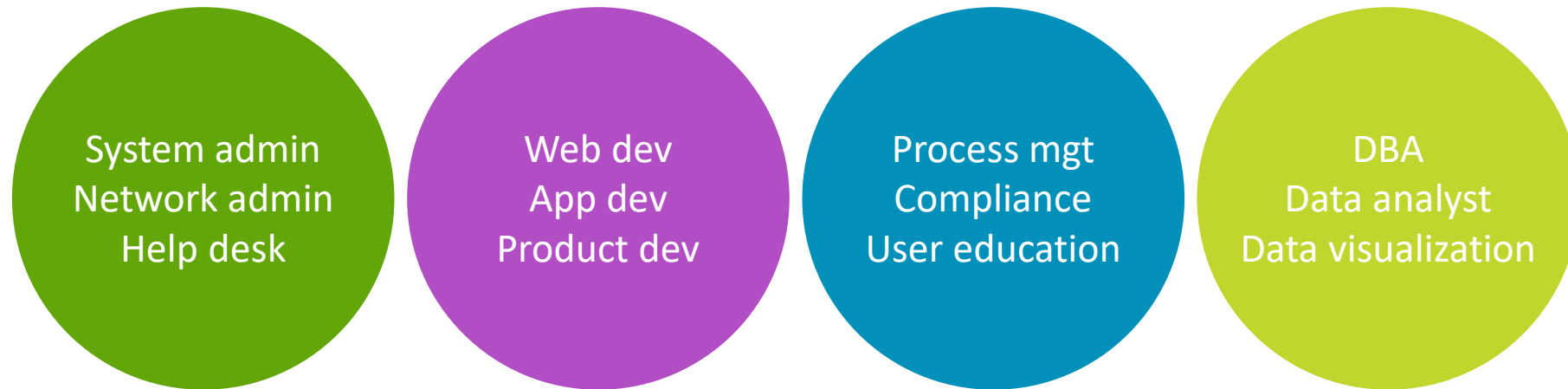
Data Analysis Certification Market Overview

- Significant and growing data analytics market
  - Estimates worldwide show double digit job growth and widening skills gap
  - Separate from traditional DBA roles

- CompTIA is exploring data analysis skill sets in reaction to observations of three related challenges:
  - A shortage of data analysis skills
  - Wide variation in job titles and responsibilities
  - Lack of consistency in educational program offerings and credentials

Swerving a bit....

- Yesterday was intriguing (we didn't talk about cyber itself THAT much)

- The idea here then is a bit more specific to this domain
  - Exam build in the next 6-9 months
  - We're here to listen (and recruit)

- Let's grossly simplify with two big buckets (and knock out one of them)
  - Data Analysts, Business Intelligence Analysts, Business Analysts
  - Data Scientists, Advanced Analysis

- DBA roles and Systems roles are excluded for purposes of, well, focusing...

Topic 1 - Overview

- What is the data analytics/science skills gap that universities are trying to address?

- Said another way, what trends are emerging, present and/or accelerating?

Topic 2 – Who?

- Where are universities experiencing a demand for data analytics/science skills?

- Is this pressure for data analytics/science skills coming from students, employers, both? (Identify some specific examples)

Topic 3 – Complimentary Opportunities?

- How could a data analytics/science certification offered by CompTIA help universities demonstrate that students have acquired specific data analytics/sciences skills?

- Or, what is going to complement work that is underway? Is there anything specifically data science certification related that would run counter to university success metrics?

Topic 4 - Futureproofing

- What would an embedded data analytics/science certification look like in five years at your university?

- Reframed after day 1 – theory may remain consistent, but tools and techniques grow daily. What would a unified partnership in this discipline look like?

Topic 5 – World's smallest JTA

- What domains in data analytics/science would be most relevant in a certification?

- Reframed with Topic 3, what specifically would you want a cert to help with ensuring competency with data analysis?

THANKS!

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