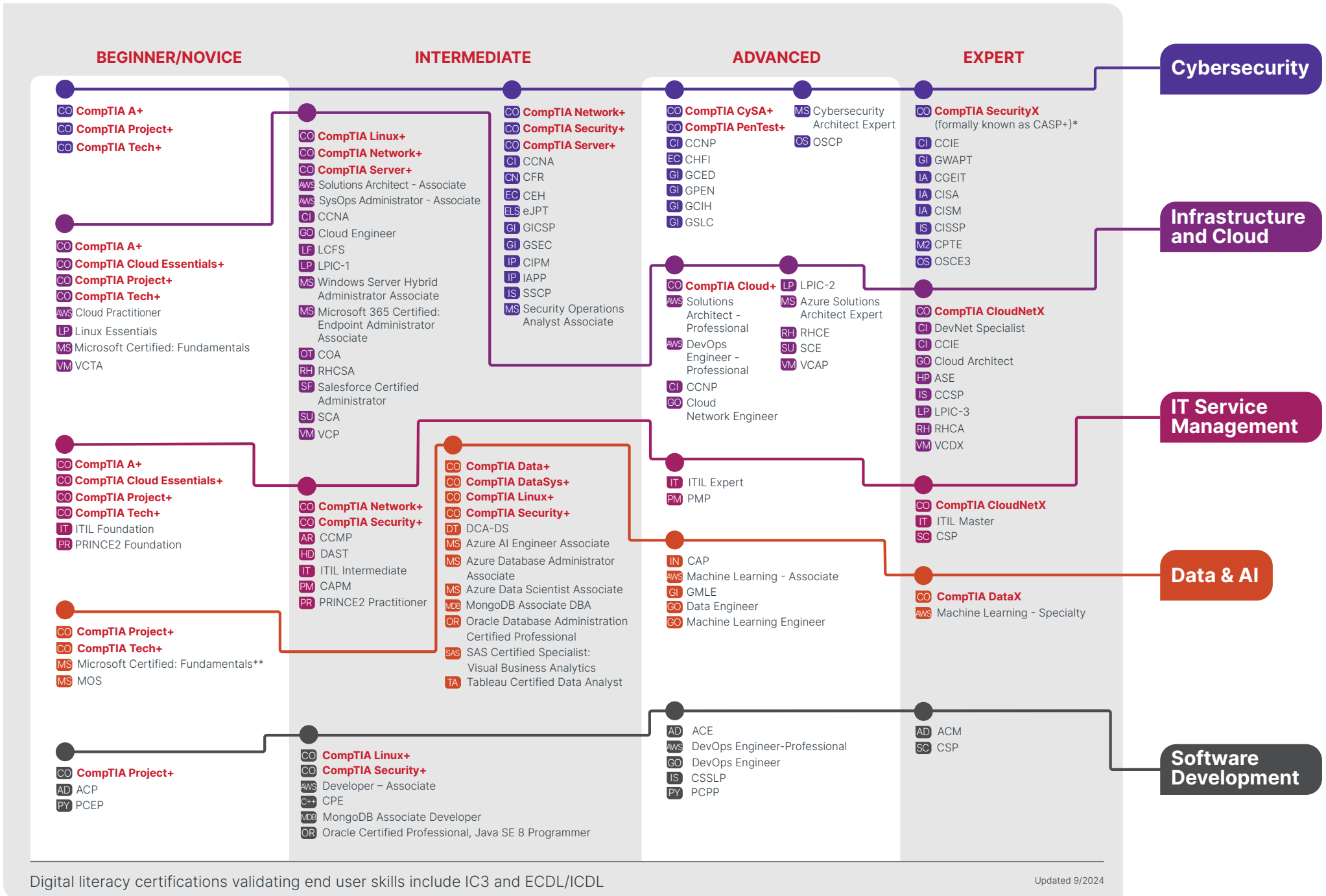


# IT Certification Roadmap

Explore the possibilities with the CompTIA Interactive IT Roadmap at [CompTIA.org/CertsRoadmap](https://CompTIA.org/CertsRoadmap)



Certifications validate expertise in your chosen career.



Digital literacy certifications validating end user skills include IC3 and ECDL/ICDL

Updated 9/2024

\*CASP+ renamed SecurityX November 2024

\*\*Microsoft offers several fundamental certifications that cover a wide range of their technology solutions.

## CO CompTIA Certifications

**BEGINNER/NOVICE**  
CompTIA A+  
CompTIA Cloud Essentials+  
CompTIA Tech+  
CompTIA Project+

**INTERMEDIATE**  
CompTIA Data+  
CompTIA DataSys+  
CompTIA Linux+  
CompTIA Network+  
CompTIA Security+  
CompTIA Server+

**ADVANCED**  
CompTIA Cloud+  
CompTIA CySA+  
CompTIA PenTest+

**EXPERT**  
CompTIA CloudNetX  
CompTIA DataX  
CompTIA SecurityX

## AD Adobe

**BEGINNER/NOVICE**  
ACP: Adobe Certified Professional

**ADVANCED**  
ACE: Adobe Certified Expert

**EXPERT**  
ACM: Adobe Certified Master

## AR Association of Change Management

**INTERMEDIATE**  
CCMP: Certified Change Management Professional

## AWS Amazon Web Services

**BEGINNER/NOVICE**  
AWS Cloud Practitioner

**INTERMEDIATE**  
AWS Certified Solutions Architect - Associate  
AWS Certified SysOps Administrator - Associate  
AWS Certified Developer - Associate

**ADVANCED**  
AWS Certified Solutions Architect - Professional  
AWS Certified DevOps Engineer - Professional  
AWS Certified Machine Learning - Associate

**EXPERT**  
AWS Certified Machine Learning - Specialty

## CI Cisco Systems

**INTERMEDIATE**  
CCNA: Cisco Certified Network Associate

**ADVANCED**  
CCNP: Cisco Certified Network Professional

**EXPERT**  
CCIE: Cisco Certified Internetwork Expert

## C++ C++ Institute

**INTERMEDIATE**  
CPE: C++ Certified Entry-Level Programmer

## DT Dell Technologies

**INTERMEDIATE**  
DCA-DS: Dell Technologies Data Science Associate

## EC EC Council

**INTERMEDIATE**  
CEH: Certified Ethical Hacker

**ADVANCED**  
CHFI: Computer Hacking Forensic Investigator

## ELS eLearnSecurity

**INTERMEDIATE**  
eJPT: eLearnSecurity Junior Penetration

## GI GIAC

**INTERMEDIATE**  
GSEC: GIAC Security Essentials

**ADVANCED**  
GCED: GIAC Certified Enterprise Defender

GCIH: GIAC Certified Incident Handler

GMLE: GIAC Machine Learning Engineer

GPEN: GIAC Penetration Tester

GSLC: GIAC Security Leadership

**EXPERT**  
GWAPT: GIAC Web Application Penetration Tester

## GO Google

**INTERMEDIATE**  
Google Cloud Engineer

**ADVANCED**  
Google Cloud Network Engineer  
Google DevOps Engineer  
Google Professional Machine Learning Engineer  
Google Professional Data Engineer

**EXPERT**  
Professional Cloud Architect

## HD HDI Global Certification

**INTERMEDIATE**  
DAST: Desktop Advanced Support Technician

## HP Hewlett-Packard

**EXPERT**  
ASE: Accredited Systems Engineer

## IA ISACA

**EXPERT**  
CISA: Certified Information Systems Auditor

CISM: Certified Information Security Manager

CGEIT: Certified in the Governance of Enterprise IT

## IP IAPP

**INTERMEDIATE**  
CIPM: Certified Information Privacy Manager

## IN Informa

**ADVANCED**  
CAP: Certified Analytics Professional

## IS ISC2

**INTERMEDIATE**  
SSCP: Systems Security Certified Practitioner

**ADVANCED**  
CSSLP: Certified Secure Software Lifecycle Professional

**EXPERT**  
CCSP: Certified Cloud Security Professional

CISSP: Certified Information Systems Security Professional

## IT ITIL

**BEGINNER/NOVICE**  
ITIL Foundation

**INTERMEDIATE**  
ITIL Intermediate

**ADVANCED**  
ITIL Expert

**EXPERT**  
ITIL Master

## LF The Linux Foundation

**INTERMEDIATE**  
LCFS: Linux Foundation Certified System Administrator

## LP Linux Professional Institute

**BEGINNER/NOVICE**  
Linux Essentials

**INTERMEDIATE**  
LPIC-1

**ADVANCED**  
LPIC-2

**EXPERT**  
LPIC-3

## M2 Mile2

**EXPERT**  
CPTE: Certified Penetration Testing Engineer

## MS Microsoft

**BEGINNER/NOVICE**  
Microsoft Certified: Fundamentals  
MOS: Microsoft Office Specialist

**INTERMEDIATE**  
Microsoft 365 Certified: Endpoint Administrator Associate  
Microsoft Certified: Azure AI Engineer Associate

Microsoft Certified: Windows Server Hybrid Administrator Associate

Microsoft Certified: Azure Database Administrator Associate  
Microsoft Certified: Azure Data Scientist Associate  
Microsoft Certified: Security Operations Analyst Associate

**ADVANCED**  
Microsoft Certified: Azure Solutions Architect Expert

Microsoft Certified: Cybersecurity Architect Expert

## MDB MongoDB

**INTERMEDIATE**  
MongoDB Associate Developer  
MongoDB Associate DBA (Database Administrator)

## OR Oracle

**INTERMEDIATE**  
Oracle Database Administration Certified Professional

Oracle Certified Professional, Java SE 8 Programmer

## OS OffSec

**ADVANCED**  
OSCP: OffSec Certified Professional

**EXPERT**  
OSCE3: OffSec Certified Expert3

## OT OpenStack

**INTERMEDIATE**  
COA: Certified Openstack Administrator

## PM PMI

**INTERMEDIATE**  
CAPM: Certified Associate in Project Management

**ADVANCED**  
PMP: Project Management Professional

## PR PRINCE2

**BEGINNER/NOVICE**  
PRINCE2 Foundation

**INTERMEDIATE**  
PRINCE2 Practitioner

## PY Python Institute

**BEGINNER/NOVICE**  
PCEP: Certified Entry-Level Python Programmer

**ADVANCED**  
PCPP: Certified Professional Python Programmer

## RH Red Hat

**INTERMEDIATE**  
RHCSA: Red Hat Certified System Administrator

**ADVANCED**  
RHCE: Red Hat Certified Engineer

**EXPERT**  
RHCA: Red Hat Certified Architect

## SAS SAS

**INTERMEDIATE**  
Certified Specialist Visual Business Analytics

## SC Scrum Alliance

**EXPERT**  
CSP: Certified Scrum Professional

## SF Salesforce

**INTERMEDIATE**  
Salesforce Certified Administrator

## SU SUSE

**INTERMEDIATE**  
SCA: SUSE Certified Administrator

**ADVANCED**  
SCE: SUSE Certified Engineer

## TA Tableau

**INTERMEDIATE**  
Tableau Certified Data Analyst

## VM VMware

**BEGINNER/NOVICE**  
VCTA: VMware Certified Technical Associate

**INTERMEDIATE**  
VCP: VMware Certified Professional

**ADVANCED**  
VCAP: VMware Certified Advanced Professional

**EXPERT**  
VCDX: VMware Certified Design Expert