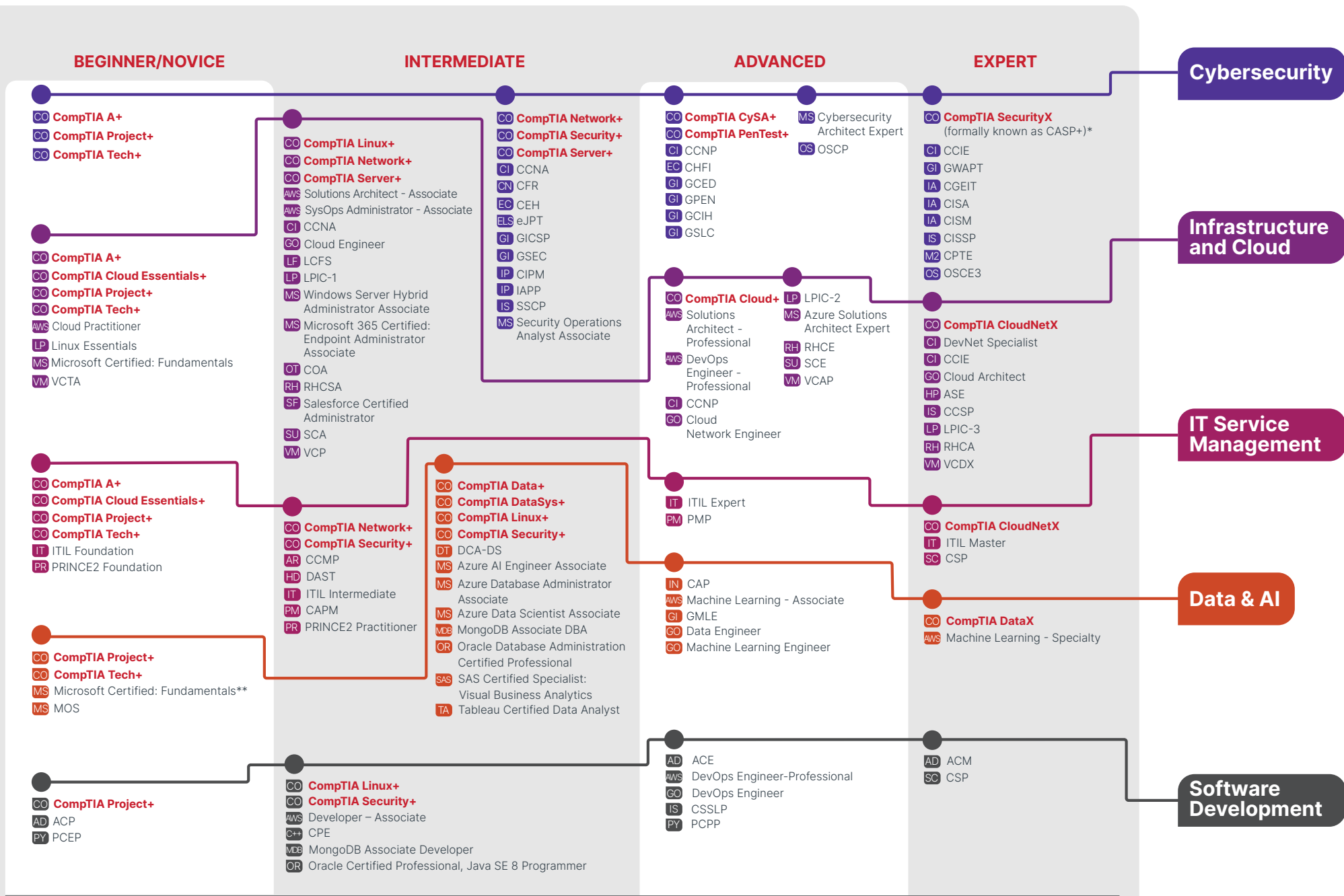


IT Certification Roadmap

Explore the possibilities with the CompTIA Interactive IT Roadmap at 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 Informs

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