DevOpsSchool

Course curriculum · November 2026

LEVEL 04 OF 04 · ADVANCED

Comptia It Fundamentals Advanced Training

Apply security fundamentals, protect devices and data, plan continuity and prepare for the CompTIA fundamentals objectives.

LIVE ONLINE **Max 8-10 hours**	CORPORATE (DAY-WISE) **5 days · Days 1-5**	SELF-PACED VIDEO **1-year LMS access**
BATCH SIZE **Max 10 learners**	NEXT BATCHES **1st of every month · weekends: first Saturday**	CERTIFICATE **Verifiable certificate of completion**

Foundation	Essential	Intermediate	Advanced
1 day · Included	2 days · Included	3 days · Included	5 days · This curriculum

INSIDE THIS CURRICULUM

What you will achieve	Outcomes and level focus
Who should attend	Audience and prerequisites
Agenda	42 topics · Foundation to Advanced
Hands-on labs	4 labs
Formats and fees	Live, self-paced, corporate
Trainer and reviews	Rajesh Kumar
Enrolment	Batches, payment, contacts

WHY DEVOPSSCHOOL

- Rated 4.6 on Google
- 1,500+ verifiable certificates issued in the public registry
- Trainer Rajesh Kumar: 20 years in industry
- Small batches: max 10 learners, every session recorded

Course page: www.devopsschool.com/courses/comp-tia/comptia-it-fundamentals-advance-training.html
Talk to us: WhatsApp +91 99057 40781 · +1 (469) 756-6329 · contact@DevOpsSchool.com · reply within 1 hour

OUTCOMES

What you will achieve

By the end of the Comptia It Fundamentals course path, you will be able to:

1

Explain IT fundamentals

Describe computing concepts, hardware, networking, operating systems and software clearly.

2

Handle everyday IT tasks

Set up devices and networks, use databases and troubleshoot common problems methodically.

3

Apply security basics

Protect devices, accounts and data and prepare for CompTIA fundamentals objectives.

WHAT THE ADVANCED LEVEL ADDS

Security, continuity and exam readiness

Hands-on: Secure a small office capstone. Produce and apply a security and continuity plan for a small office covering accounts, devices, Wi-Fi, encryption and backups.

WHO SHOULD ATTEND

- Experienced Comptia It Fundamentals practitioners responsible for quality, security and scale.
- Senior engineers, architects and leads who design and troubleshoot Comptia It Fundamentals solutions.
- Teams making Comptia It Fundamentals an organisation-wide standard.

BEFORE YOU START

- The Intermediate level, or equivalent hands-on experience.
- You can already: Read and write simple program logic and pseudocode, and design, query and back up a small relational database.
- Basic computer skills and a laptop with a stable internet connection for the live sessions and labs.
- This curriculum includes every earlier level, so it is complete on its own.

AGENDA · FOUNDATION TO ADVANCED

Comptia It Fundamentals Advanced Training agenda

42 topics. Each level builds on the one before it, so this curriculum lists every earlier level in full. Days are for corporate (day-wise) delivery; live online batches cover the same agenda in max 8-10 hours.

DAY 1 — Foundation: IT concepts, terminology and hardware

Included from Foundation

1. Course map: CompTIA ITF+ (FC0-U61) and its successor Tech+ (FC0-U71) objective domains
2. Notational systems: binary, decimal and hexadecimal, and data units from bits to petabytes
3. Data types: integers, floats, characters, strings and Boolean values
4. Basics of computing: input, processing, output and storage; the value of data and information
5. Troubleshooting methodology: identify, theorize, test, plan, implement, verify and document
6. Computer components: CPU, RAM, storage types (HDD, SSD, NVMe), motherboard and GPU
7. Peripherals and connectors: USB, HDMI, DisplayPort and Thunderbolt, installing devices
8. Device types: workstations, laptops, mobile devices, servers and IoT
9. Computer setup: installing and configuring a PC and its drivers
10. Measuring performance: clock speed, throughput units and storage speeds

DAY 2 — Essential: Infrastructure, networking, OS and applications

Included from Essential

11. Networking concepts: LAN and WAN, IP addressing, DNS and DHCP
12. Wired and wireless: Ethernet, Wi-Fi standards, routers, switches and access points
13. SOHO network setup: router configuration, SSID and WPA3 encryption
14. Internet service types: fiber, cable, DSL, cellular and satellite
15. Storage types: local, network-attached and cloud storage
16. Cloud computing basics: IaaS, PaaS and SaaS
17. Operating systems: Windows, macOS, Linux, Android and iOS, file systems and features
18. OS functions: process, memory, disk and device management, and file management
19. Applications and software: productivity, collaboration and business software, licensing
20. Application delivery: local, network-hosted and cloud-hosted; one-tier, two-tier and n-tier architecture
21. Web browser configuration: caching, extensions, privacy settings and certificates

DAY 3 — Intermediate: Software development and database fundamentals

Included from Intermediate

22. Programming language categories: interpreted, compiled, query and assembly languages
23. Programming concepts: variables, constants, arrays, functions and objects
24. Logic and flow: pseudocode, flowcharts, branching and looping
25. Data structures: structured, semi-structured and unstructured data
26. Relational databases: tables, schemas, primary and foreign keys and constraints
27. SQL basics: SELECT, INSERT, UPDATE, DELETE and CREATE TABLE
28. Non-relational databases: key-value and document stores and when to use them
29. Data access methods: direct access, user interfaces, queries and reports
30. Backups: database dumps and file backups, verifying restores

31. Using data: data-driven decisions and basic analytics

DAYS 4-5 **Advanced: Security, continuity and exam readiness** **New at this level**

32. Security concepts: confidentiality, integrity and availability, and privacy concerns
33. Common threats: malware, phishing, social engineering, snooping and eavesdropping
34. Device security: hardening, patching, antivirus and host firewalls
35. Authentication and authorization: passwords, MFA, SSO and least privilege
36. Password best practices: length, uniqueness and password managers
37. Encryption basics: data at rest and in transit, HTTPS and VPNs
38. Business continuity: fault tolerance, backups and disaster recovery
39. Safe browsing: public Wi-Fi risks, certificate warnings and secure downloads
40. Exam readiness: objective-by-objective review and practice questions
41. Career paths: help desk and support roles and next steps such as A+, Network+ and Security+
42. Capstone: secure home or small office IT plan with backups and recovery steps

PRACTICE

Hands-on labs

You build these yourself during the course, guided by the trainer.

FOUNDATION

Set up and troubleshoot a PC

Assemble or configure a PC, install drivers and peripherals, then use the troubleshooting method to fix a seeded fault.

ESSENTIAL

Build a secure small office network

Configure a wireless router with WPA3, connect devices, share network storage and set up browsers safely for users.

INTERMEDIATE

Design and query a small database

Write pseudocode for a simple inventory task, create the matching relational tables and answer business questions with SQL queries.

ADVANCED

Secure a small office capstone

Produce and apply a security and continuity plan for a small office covering accounts, devices, Wi-Fi, encryption and backups.

HOW YOU CAN LEARN

Formats and fees

The same agenda in three formats. Fees are in Indian rupees as of November 2026; the course page shows them in your currency.

FORMAT	DURATION	WHAT YOU GET	FEE
Live & interactive (online)	Max 8-10 hours	Instructor-led public batch of max 10 learners with demos, labs, Q&A and assignment review. Weekday batches start on the 1st of every month, weekend batches on the first Saturday of every month.	**INR 34,999**
Self-paced video	1-year LMS access	All four Comptia It Fundamentals levels, plus 20+ more courses and 50+ tools, at your own pace.	**INR 833/month** billed yearly at INR 9,996
Corporate (day-wise)	5 days for this level	A private batch for your team, on demand. Foundation 1 day, Essential 2, Intermediate 3, Advanced 5 (cumulative). 1:1 training is also available on demand.	**Quote on request**

ASSESSMENT AND CERTIFICATE

Your progress is checked through hands-on labs and assignments at every level. On completion you receive a DevOpsSchool certificate of completion with a unique credential ID that anyone can verify at devopsschool.com/certificates.

INCLUDED WITH EVERY LIVE BATCH

- Every live session is recorded and stays in your LMS for a year.
- Can't attend your batch? Move to next month's batch.
- Free demo class before you pay.
- Free 10-15 minute call with an advisor or the trainer to check the course fits you.

YOUR TRAINER

Learn from Rajesh Kumar

Principal Architect, trainer and mentor in DevOps, SRE, DevSecOps and platform engineering, with 20 years across 8+ software MNCs, including Staff DevOps/SRE Engineer for a leading Japanese mobile-payment platform and Principal DevOps Architect and Manager in Europe.

Profile: www.rajeshkumar.xyz · Videos: youtube.com/@TheDevOpsSchool

20 years in industry	**200+** corporate trainings
10,000+ engineers mentored	**70+** organisations coached

REVIEWS

What learners say

Rated 4.6 on Google · more reviews at devopsschool.com/testimonials and in our video testimonials.

> “Rajesh is very good trainer. Rajesh was able to resolve our queries and question effectively. We really liked the hands-on examples covered during this training program.”
>
> Indrayani, India

> “The training was very useful and interactive. Rajesh helped develop the confidence of all.”
>
> Abhinav Gupta, Pune

START YOUR COMPTIA IT FUNDAMENTALS TRAINING

Join the next batch

Weekday batches start on the 1st of every month and weekend batches on the first Saturday of every month, with max 10 learners each. Corporate and 1:1 batches run on demand. We reply within 1 hour.

Pay by UPI, credit and debit cards, net banking or PayPal. Before you pay, read our refund policy. All levels of this course: www.devopsschool.com/courses/comp-tia/

ENROL OR RESERVE A SEAT **Comptia It Fundamentals Advanced Training**	WHATSAPP · INDIA **+91 99057 40781**
WHATSAPP · USA **+1 (469) 756-6329**	EMAIL **contact@DevOpsSchool.com**