

CRTE — Red Team Experienced Practitioner Preparation Training

Delivered from Hacky Security's own curriculum, by instructors who also work our security operations centre. Classroom, online live, or at your office.

EXPERT

At a glance

COURSE	CRTE — Red Team Experienced Practitioner	WHAT IS INCLUDED ✓ Instructor-led delivery by practitioners who also work our SOC ✓ Hands-on lab access for the duration of the course ✓ Course materials and lab guides ✓ Hacky Security certificate of completion ✓ Post-course support by email
TRACK	Zero-Point Security	
DOMAIN	Cyber Security	
LEVEL	Expert	
DURATION	On request	
DELIVERY	Classroom · Online live · On-site at your office	
LANGUAGE	English	
CLASS SIZE	Small cohorts — everyone gets lab time	

Who this is for

This is an expert course. It suits people already working in or moving into Cyber Security who want structured, hands-on preparation rather than a video library. If you are unsure whether the level fits your team, send us the job titles and we will tell you honestly — including if a different course would serve you better.

Course outline

About this course map

CRTE — Certified Red Team Expert — is the Active Directory specialist certification from Altered Security. Where a general penetration test touches AD as one component, CRTE is about nothing else: it goes deep into the way a Windows domain, and a whole forest of them, can be enumerated, abused, escalated through and persisted in. It is the certification for someone who has decided that Active Directory is where enterprise compromise actually happens and wants to master it specifically.

The course behind it teaches tradecraft against a large, realistic multi-domain, multi-forest lab — the kind of environment a mature enterprise actually runs, with trusts, delegation and defences in the way. The emphasis is on understanding *why* each attack works at the protocol level, not just running a tool.

The exam is a practical: a fully patched lab environment that you enumerate, exploit, escalate and move through, ending in a report of the paths you found.

Module 01 — Active Directory as an attack surface

The model you need before any technique makes sense.

- Domains, trees, forests and the trust relationships that bind them
- How Kerberos and NTLM authentication actually work
- Where enterprise AD deployments go wrong by default
- Enumerating a domain thoroughly and quietly

Module 02 — Local privilege escalation

Getting from a foothold user to local administrator.

- Enumerating a Windows host for escalation paths
- Service, permission and configuration weaknesses
- User Account Control and bypassing it
- Harvesting credentials once you are local admin

Module 03 — Lateral movement

Spreading through the domain with what you have collected.

- Credential theft: hashes, tickets and plaintext
- Pass-the-hash, pass-the-ticket and over-pass-the-hash
- Remote execution techniques across hosts
- Moving without generating obvious noise

Module 04 — Domain privilege escalation

The Kerberos attacks that turn a foothold into domain control.

- Kerberoasting and AS-REP roasting
- Unconstrained, constrained and resource-based delegation abuse
- The golden and silver ticket, and what each forges
- DCSync and pulling the domain's secrets

Module 05 — Cross-trust and forest attacks

The part that separates CRTE from a general AD course — moving between domains and forests.

- Enumerating trusts and understanding their direction
- Attacking across a parent-child trust
- Cross-forest attack paths and their conditions
- Reaching an objective in a forest you did not start in

Module 06 — Persistence and defence evasion

Staying in, and staying quiet.

- Domain persistence techniques and their durability
- Evading the logging and monitoring an enterprise deploys
- Understanding what defenders see, to avoid showing it to them

Module 07 — Reporting the attack paths

Turning the engagement into something the client can fix.

- Documenting each attack path with its preconditions
- Explaining why the path existed, not just that it did
- Remediation that closes the path rather than the symptom

Sitting the official exam

Exam voucher sold separately. We buy it from the certification body on your behalf and send you the code — you book your own exam date. This course is Hacky Security's own preparation training. The certification itself is awarded by the certification body, not by us.

Investment

Priced per cohort. Tell us how many people and which delivery mode and we will send a quote the same working day.

Book this course

Tell us how many people, where, and when — we will come back with dates and a quote within one working day.

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