DevOpsSchool

Course curriculum · November 2026

LEVEL 03 OF 04 · INTERMEDIATE

Threat Modeling Intermediate Training

Model cloud, container and API architectures, store models as code and connect threat modeling to CI and security testing.

LIVE ONLINE **Max 8-10 hours**	CORPORATE (DAY-WISE) **3 days · Days 1-3**	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 · This curriculum	5 days · Next step

INSIDE THIS CURRICULUM

What you will achieve	Outcomes and level focus
Who should attend	Audience and prerequisites
Agenda	34 topics · Foundation to Intermediate
Hands-on labs	3 labs
Formats and fees	Live, 1:1, 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/threatmodeling/threatmodeling-and-intermediate-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 Threat Modeling course path, you will be able to:

1

Find design flaws early

Use data flow diagrams, STRIDE, attack trees and PASTA to find threats before code is written.

2

Turn threats into action

Rate risks and turn mitigations into tracked backlog work, security tests and pipeline checks.

3

Scale threat modeling

Run a sustainable programme with champions, threat modeling as code, metrics and governance.

WHAT THE INTERMEDIATE LEVEL ADDS

Threat modeling as code, cloud and pipelines

Hands-on: Model a Kubernetes service as code. Describe a containerised API on Kubernetes in pytm or Threagile, commit it to Git and generate the diagram and risk report from a CI job.

WHO SHOULD ATTEND

- Regular Threat Modeling users who want to automate, integrate and manage it at a deeper level.
- Specialists who support Threat Modeling for colleagues or customers.
- Leads preparing Threat Modeling for wider use across projects.

BEFORE YOU START

- The Essential level, or equivalent hands-on experience.
- You can already: Run a threat modeling workshop with your team, rate and prioritise threats and turn mitigations into tracked backlog work.
- 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 INTERMEDIATE

Threat Modeling Intermediate Training agenda

34 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: Threat modeling concepts, STRIDE and data flows

Included from Foundation

1. Why threat model: finding design flaws before code, shift-left security and the cost of late fixes
2. The four questions: what are we working on, what can go wrong, what will we do about it, did we do a good job
3. Core vocabulary: assets, threats, vulnerabilities, attack surface, trust boundaries and mitigations
4. Data flow diagrams: external entities, processes, data stores, data flows and trust boundaries
5. STRIDE: spoofing, tampering, repudiation, information disclosure, denial of service and elevation of privilege
6. Security properties: mapping STRIDE to authentication, integrity, non-repudiation, confidentiality, availability and authorization
7. Threat Modeling Manifesto: the values and principles behind practical, repeatable threat modeling
8. Tool setup: OWASP Threat Dragon, Microsoft Threat Modeling Tool and draw.io for diagrams
9. First model: diagramming a web application with login, API, database and a third-party payment service
10. Recording threats: clear threat statements, affected element, impact and proposed mitigation
11. Responding to threats: eliminate, mitigate, transfer or accept, with common controls for each STRIDE category

DAY 2 — Essential: Systematic analysis, risk rating and team workflow

Included from Essential

12. Scoping: system decomposition, choosing diagram depth and deciding what is in and out of scope
13. STRIDE per element and per interaction: applying STRIDE systematically across a diagram
14. Attack trees: attacker goals, AND and OR nodes and estimating attacker effort and cost
15. Attack knowledge bases: CAPEC attack patterns, CWE weaknesses, OWASP Top 10 and OWASP API Security Top 10
16. Privacy threats: LINDDUN categories such as linkability, identifiability and disclosure of information
17. Risk rating: OWASP Risk Rating Methodology, CVSS for severity, likelihood and impact matrices and DREAD limits
18. Prioritisation: ranking threats against business impact and deciding what must be fixed before release
19. Workshops: running sessions with developers, architects, testers and product owners in 60 to 90 minutes
20. Tool-based modeling: Microsoft Threat Modeling Tool stencils, auto-generated threats and reports
21. Mitigations to backlog: security user stories, acceptance criteria and linked tickets in Jira or Azure Boards
22. Elevation of Privilege card game: gamified threat discovery to engage development teams
23. Validating the model: review checklists, ownership and keeping models current as the design changes

DAY 3 — Intermediate: Threat modeling as code, cloud and pipelines

New at this level

24. Threat modeling as code: pytm and Threagile models kept in Git next to the application
25. Pipeline integration: generating diagrams and risk reports in CI and flagging unmitigated high risks
26. Cloud architectures: shared responsibility, IAM misconfiguration, metadata service and storage exposure on AWS and Azure
27. Microservices and APIs: service-to-service authentication, mTLS, API gateways and broken object level authorization

28. Containers and Kubernetes: RBAC, admission control, secrets, network policies and the Kubernetes threat matrix
29. PASTA: the seven-stage risk-centric process aligned to business objectives
30. MITRE ATT&CK: mapping modelled threats to adversary tactics and techniques for detection coverage
31. Software supply chain: dependency confusion, build system compromise and SLSA build levels
32. From model to tests: deriving security test cases, DAST scope and penetration test objectives
33. Agile cadence: lightweight per-feature threat modeling, change triggers and definition of done
34. Common pitfalls: over-scoped diagrams, stale models, missing owners and unactionable findings

PRACTICE

Hands-on labs

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

FOUNDATION

Threat model a simple web application

Draw a data flow diagram for a login, API and database system in OWASP Threat Dragon and record at least one STRIDE threat and mitigation per trust boundary.

ESSENTIAL

Run a team threat modeling workshop

Facilitate a STRIDE session on a microservice design, build an attack tree for the top risk and convert the agreed mitigations into prioritised backlog items.

INTERMEDIATE

Model a Kubernetes service as code

Describe a containerised API on Kubernetes in pytm or Threagile, commit it to Git and generate the diagram and risk report from a CI job.

HOW YOU CAN LEARN

Formats and fees

The same agenda in four 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**
1:1 live training (online)	Max 8-10 hours, one-to-one	The same agenda, taught one-to-one by the trainer. Starts immediately, without waiting for the next batch; sessions planned around your working hours, at your pace.	**INR 99,999**
Self-paced video	1-year LMS access	All four Threat Modeling levels, plus 20+ more courses and 50+ tools, at your own pace.	**INR 833/month** billed yearly at INR 9,996
Corporate (day-wise)	3 days for this level	A private batch for your team, on demand. Foundation 1 day, Essential 2, Intermediate 3, Advanced 5 (cumulative).	**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 THREAT MODELING 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. 1:1 training can start immediately; corporate 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/threatmodeling/

ENROL OR RESERVE A SEAT
Threat Modeling Intermediate Training

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Next step after this level: Threat Modeling Advanced Training - Scale threat modeling across an organisation with risk-based triage, champions, metrics and coverage of AI and zero trust designs.