SEC202 -THREAT MODEL EXPRESS

Course Learning Objectives

Understand the benefits of a traditional threat model versus a threat model express session. Engage in asking valuable questions that will effectively identify potential threats within an application. Learn who should be involved in a Threat Model Express session and how to apply the model within your organization. The course will discuss the outcome of performing a TME session and will discuss potential countermeasures to secure an application.

Description

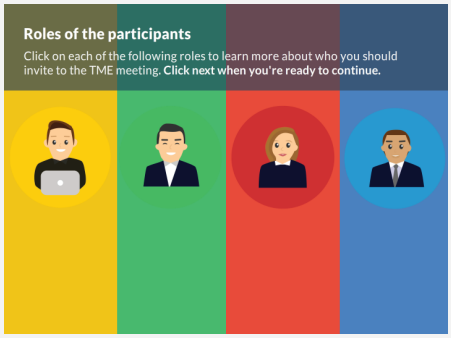
Students will learn about the attacks that their applications may face and then an informal approach to threat modeling. They will first learn the steps in executing a Threat Model Express, and then they will engage in a guided fictional exercise.

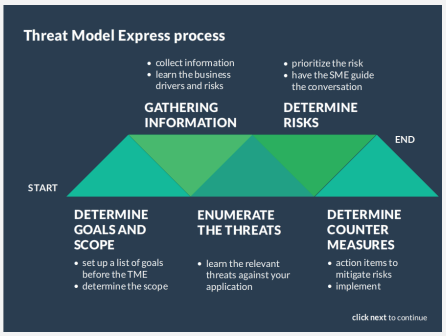
Audience

Application developers / Application architects
Security professionals

Time Required

Tailored learning - 42 minutes total





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Course Outline

1. Gathering Requirements

- What is threat modeling?
- Traditional vs. express
- Goals of the threat model
- Importance of scope
- TME process
- What kinds of information to gather
- Sources to gather information from
- Finding more about the application
- Distilling an application
- Developing data flow diagrams
- Asking the right questions
- Who to invite
- Roles of the participants

2. Performing a TME Session

- Determining threats
- STRIDE
- Attacker motivations
- Establishing threats
- Determining risks
- Factors of impact
- Impact rating
- Factors of likelihood
- Likelihood rating
- Risk ranking
- Countermeasures
- What's next?

Security Compass