



### Bio

Threat Modeling - 10 years

TMC - Founding Member

James Rabe

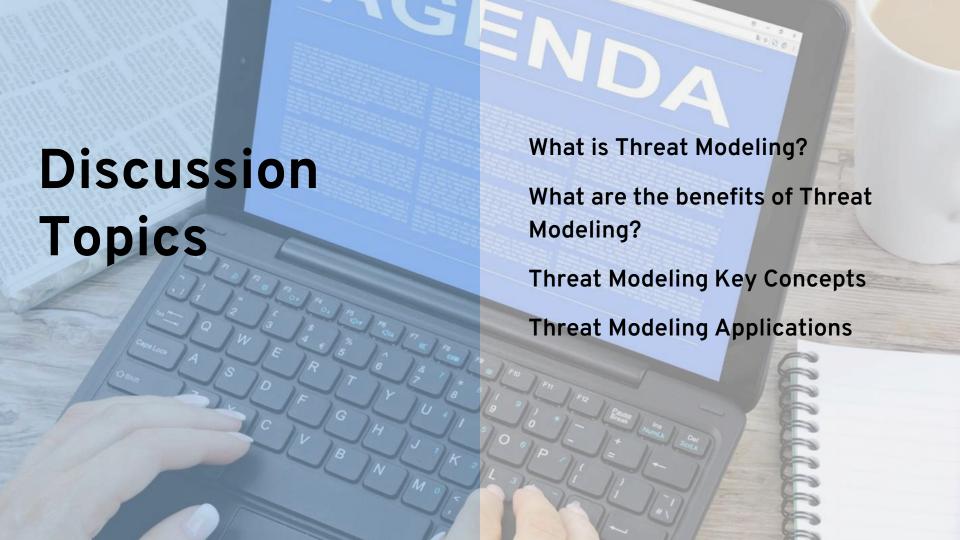


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# James Rabe Global Technical Program Manager | Sr. Solutions Architect | Bridging Inn...





#### What is Threat Modeling?

Threat Modeling is a proactive assessment of risk which starts with a well scoped description of change and results in a prioritized list of realistic threats and prioritized set of cost-effective mitigations with a timeline and plan for risk reduction.

statement o

etc. 2 distinct

photographic



Pre-Change Focused - Finding the problems as early as possible (design) vs finding them post implementation (production)

Problem Seeking - anticipating problems

Risk-Focused - organizational risk appetite

### Well Scoped Definition of Change

Mail Server

Accurate Enough Description of the Change

**Limited Scope to Prevent Over-Analysis** 

**Diagram Based** 

**Story Based** 

Should include what is not in scope

Prioritized List of Realistic Threats

Realistic Threat - Exploit likely threats

**Prioritized** 

**Enumerated and Cataloged** 

Tracked

Prioritized List of Cost-Effective Mitigations Mitigating Factors - Design Based or Corrective Based

**Cost-Effective** 

Prioritized (not everything is urgent)

Timeline and Plan

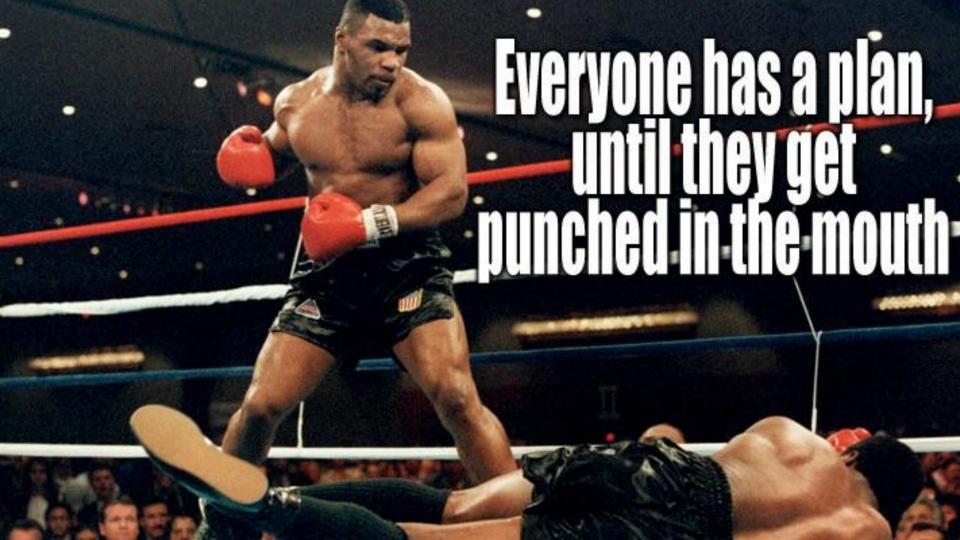
#### Realistic & Flexible Timelines

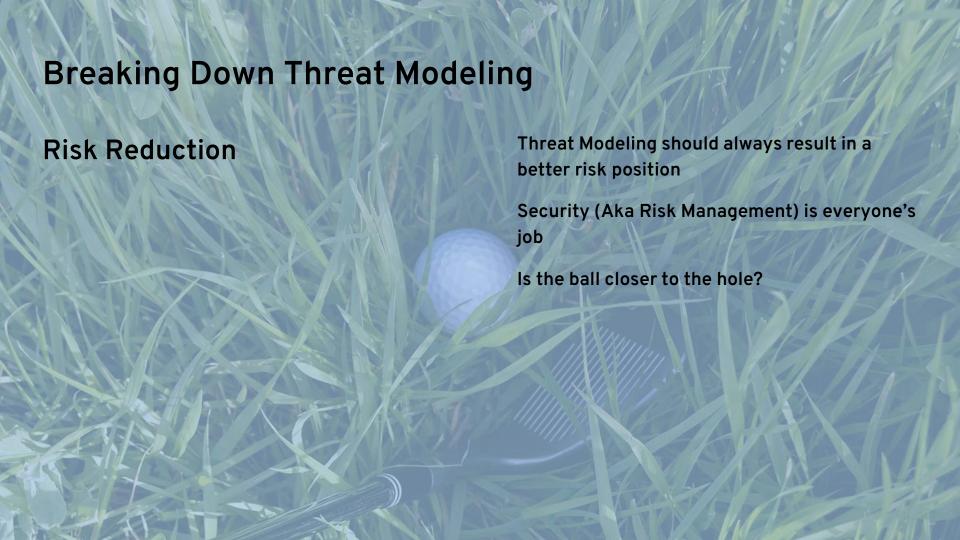
- Document dependencies
- Barriers to success

Agile Milestones

Stakeholder Buy-in

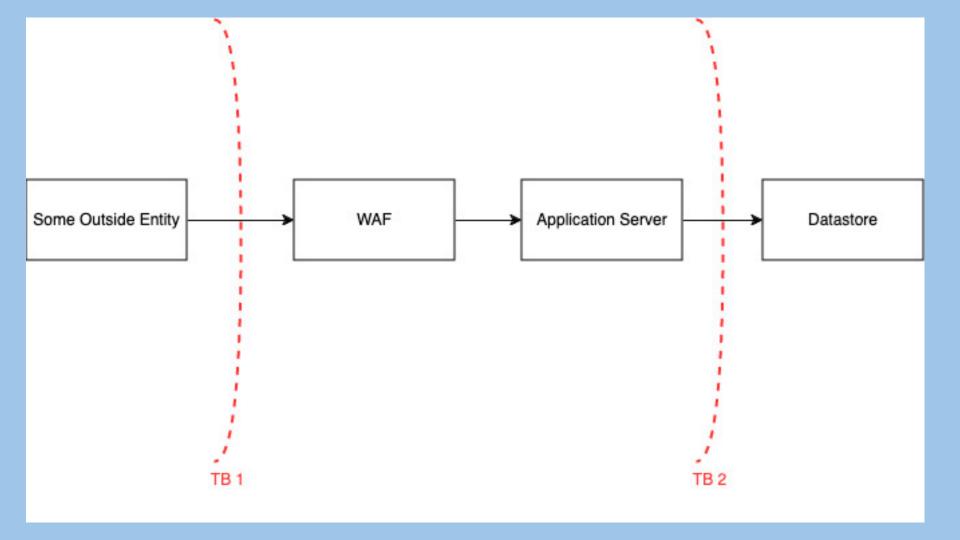
Assigned and Responsible Personnel





#### **Threat Modeling Process**





Threats							
STRIDE	Component	Threat	Threat ID	Weakness	Weakness ID	Impact	
Spoofing							
Tampering							
Repudiation							
Information Disclosure							
Denial of Service							
Elevation of Privilege							

Controls									
Component	Weakness	Control	Control ID	Cost					

#### Freesources (Free + Resources)

Free Platform for Threat Modeling - <a href="https://community.iriusrisk.com">https://community.iriusrisk.com</a>

OWASP Threat Modeling Cheat Sheet -

<u>https://cheatsheetseries.owasp.org/cheatsheets/Threat\_Modeling\_Cheat\_S</u> <u>heet.html</u>

World's Shortest Threat Modeling Course - <a href="https://www.youtube.com/watch?v=2pvprvsr1lo">https://www.youtube.com/watch?v=2pvprvsr1lo</a>

Threat Modeling Connect - <a href="https://threatmodelingconnect.com">https://threatmodelingconnect.com</a>

### Connect with me

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