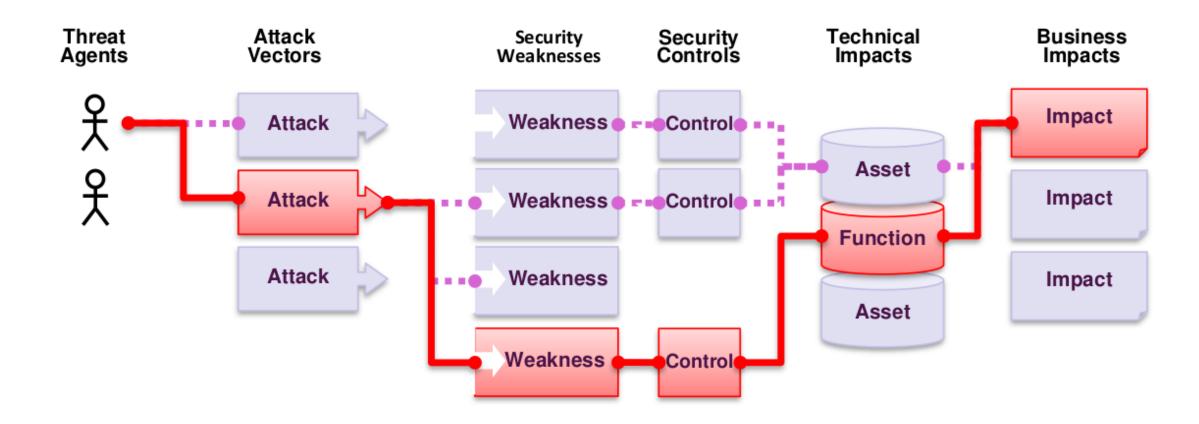
Riesgo como proceso



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Thread Modeling

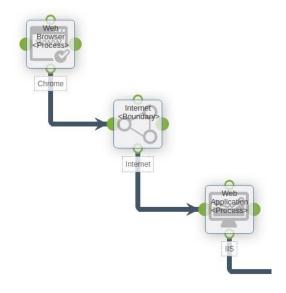
- What are we working on?
- What can go wrong?
- What are we going to do about it?
- Did we do a good job?

Fuente: Thread Modelling Manifesto

https://www.threatmodelingmanifesto.org/

Threat Modeling: cómo hacerlo

- 1. Scope: Diagrama de arquitectura
- Threats STRIDE
 - Spoofing
 - Tampering
 - Repudiation
 - Information disclosure
 - Denial-of-service
 - Elevation privilege
- 3. Contramedidas o gestión del riesgo
- 4. Evaluar



Herramientas: Microsoft Thread Modeling Tool https://www.microsoft.com/en-us/securityengineering/sdl/threatmodeling

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Demo de MS Threat Modeling Tool

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Risk Rating

Risk = Likelihood * Impact

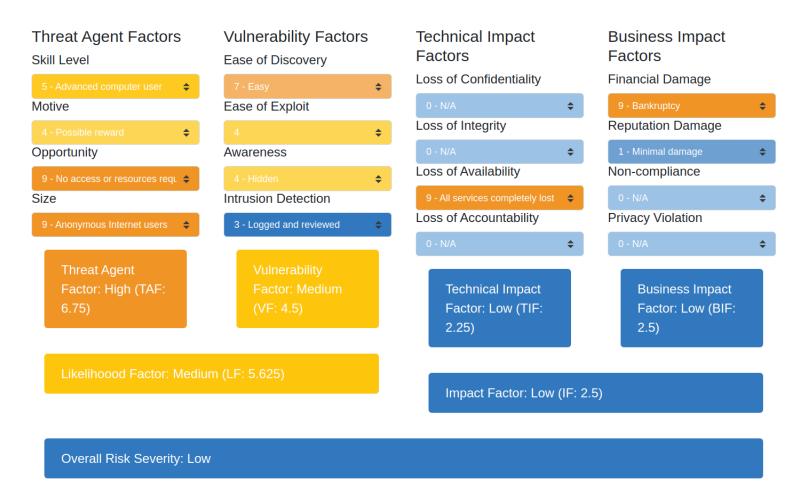
- Steps:
 - 1: Identifying a Risk
 - 2: Factors for Estimating Likelihood
 - 3: Factors for Estimating Impact
 - 4: Determining Severity of the Risk
 - 5: Deciding What to Fix
 - 6: Customizing Your Risk Rating Model
- Sacado del OWASP, así que empezemos a utilizarlo

https://owasp.org/www-community/OWASP Risk Rating Methodology

Fuente: https://owasp.org/www-community/OWASP_Risk_Rating_Methodology

Alternativas: NIST-800-30, Magerit

Calculadora de riesgos OWASP



https://owasp-risk-rating.com/

Tipos de atacantes

	Corporations	Hacktivists	Cyber criminals	Cyber terrorists	Script kiddies	Online social hackers	Employees	Nations states
Physical attacks	✓	-	✓	✓	-	-	✓	✓
Disasters	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Failures/ Malfunctions	✓	-	-	-	-	-	✓	-
Outages	✓	✓	✓	✓	✓	✓	✓	✓
Unintentional damages	✓	-	-	-	-	-	✓	-
Damage/Loss	✓	✓	✓	✓	✓	✓	✓	✓
Nefarious activity/Abuse	✓	✓	✓	✓	✓	✓	✓	✓
Eavesdropping/ Interception/ Hijacking	~	√	~	~	✓	√	√	✓
Legal	✓	✓	✓	✓	✓	✓	✓	✓