RISK

DEFINE RISK:

Risk is the potential for loss or harm when a threat exploits a vulnerability, affecting the confidentiality, integrity, or availability of systems or data.

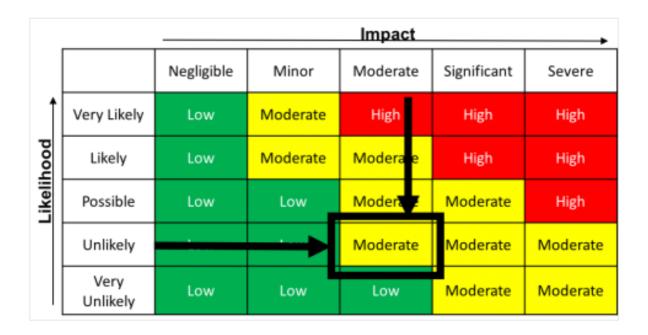
Risk = Threat × Vulnerability × Impact

Key Components:

- **Threat** Anything that can exploit a vulnerability (e.g., hackers, malware, natural disasters).
- **Vulnerability** Weakness in a system that can be exploited (e.g., unpatched software).
- **Impact** The potential consequence or loss (e.g., data breach, financial loss, reputational damage).



Calculating risk level:

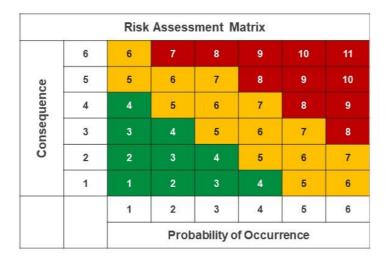


Example:

SYSTEM: IT Admin Laptop			
Threat Event	Likelihood	Impact	Risk Level
1. Loss of Confidentiality	Possible	Severe	HIGH
2. Loss of Integrity	Unlikely	Minor	LOW
3. Loss of Availability	Possible	Significant	MODERATE
		OVERALL RISK:	HIGH

Risk matrix:

High Medium Low Risk Assessment Matrix



High Severity Risks (8-11) This slide is 100% editable. Adapt it to your needs and capture your audience's attention.

Medium Severity Risks (5-7)

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Low Severity Risks (1-4)

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Impacts of Cybersecurity Risks:

- **Financial Losses -** Costs associated with incident response, data recovery, regulatory penalties, and lost revenue.
- **Reputational Damage -** Loss of customer trust and confidence, impacting business operations.
- **Operational Disruptions -** Service downtime, delays in business processes, and productivity losses.
- **Data Breaches** Unauthorized access to and disclosure of confidential information, leading to potential legal and financial consequences.
- **Compliance Issues -** Failure to meet regulatory requirements can result in fines and penalties.