C3 SECURITY

Threat Modelling Cheat-Sheet v0.20
https://0x6333.com

PROCESS ←→ EXTERNAL SERVICE → DATA STORE
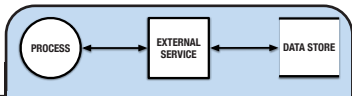
Spoofing	**Authentication**	Fraudulent Data Pretending to be something it isn't
Tampering	**Integrity**	Unauthorised changes to Data Man-In-The-Middle (MITM)
Repudiation	**Non-Repudiation**	Is there an Audit Trail? Can an Attacker hide their activity?
Information	**Confidentiality**	Data transmitted un-encrypted Leaking of Personal Data (PII)
Denial	**Availability**	Inaccessbile products or services Reduced performance
Elevation	**Authorisation**	Users being able to access services or resources which they shouldn't

Low	3	Medium	6	High	8	Critical	10

Damage	How much damage would this vulnerability cause if exploited?	How bad would an attack be from both the Business and Service perspectives (Reputation & Business)
Reproducability	How difficult is it to reproduce this vulnerability?	Is it predictable or unpredictable? Are there other factors required?
Exploitability	How easy is it to exploit?	Is exploiting simple or complex? Are multiple vulnerabilities required?
Affected	Who is affected?	How many users will it impact? Does it affect only service users?
Discoverability	How difficult is it to discover this vulnerability?	How easy is it to discover? Does exposed configuration or version information make it easier?