

Vulnerability Assessment

Vulnerability assessment is a systematic process of identifying, quantifying, and prioritizing weaknesses in computer systems, networks, applications, and other IT assets.

Goal : of vulnerability assessment is to proactively discover potential security flaws and weaknesses before they are exploited by malicious actors. By doing so, organizations can take appropriate measures to mitigate or eliminate these vulnerabilities, thus improving their overall cybersecurity posture.

This should not be a manual process and should be definitely part of CI/CD or DevOps pipeline

Key Steps

- Asset Identification
- Vulnerability Scanning
- Vulnerability Detection
- Vulnerability Classification
- Risk Prioritization
- Remediation Planning
- Vulnerability Remediation
- Verification and Reassessment
- Continuous Monitoring