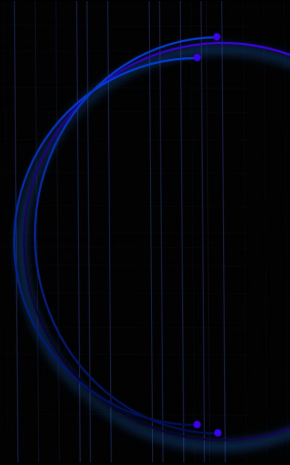


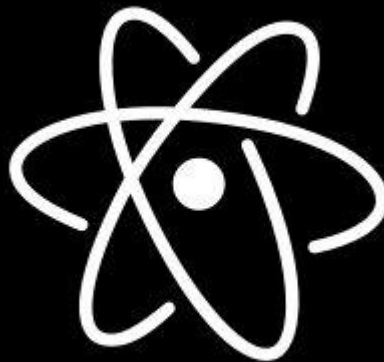
Security automation,(re) defined.



@[DhiyaneshDk](#)

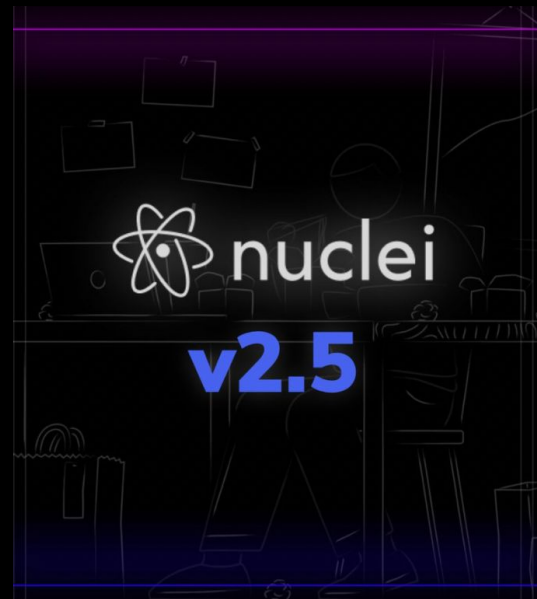
Agenda

- Introduction to Nuclei
- Power of Nuclei
- Live Demo
- Leveraging Nuclei in DevSecOps



Introduction to Nuclei

- Fast and customisable vulnerability scanner developed using simple YAML based DSL.
- Fuzz all the things , such as
 - Race Condition
 - HTTP Pipelining
 - HTTP Connection Pooling
 - Non-RFC Compliant Requests
 - Automated OOB Based Scanning



Power of Nuclei

- Community Powered (300+ Contributors shared Template)
- Exposed API Keys
- CVE based Findings
- Tech Stack Misconfigurations
- Exploiting a Single vulnerability at Larger Scale
- Writing Custom Templates for New Vulnerability

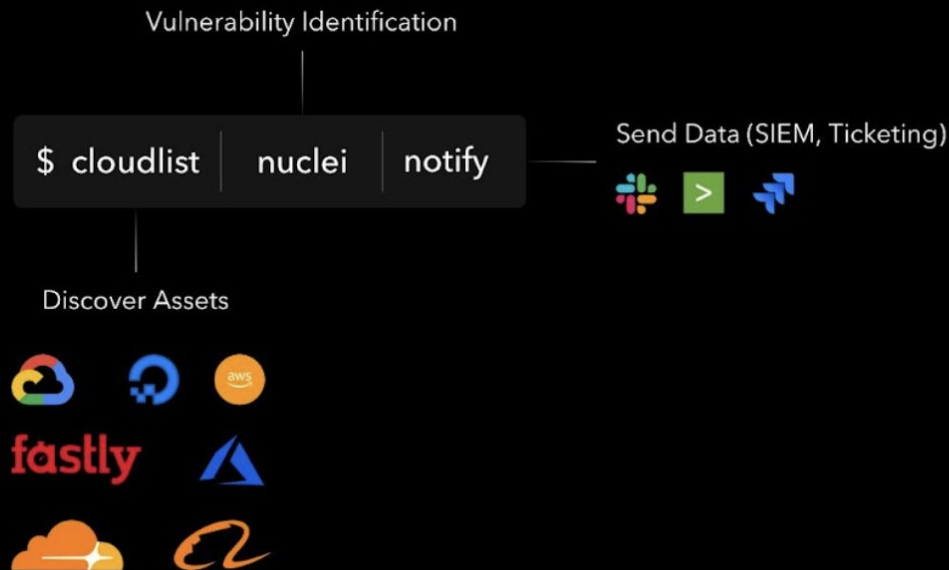


Demo Time

- Nuclei
- Prerequisites for setup & execution of the tool
- Workflow of the tool with example
- Vulnerability Demo
- Methodology of writing Custom Templates
- How to utilize it during your daily security assessments



Continuous Monitoring of Attack Surface

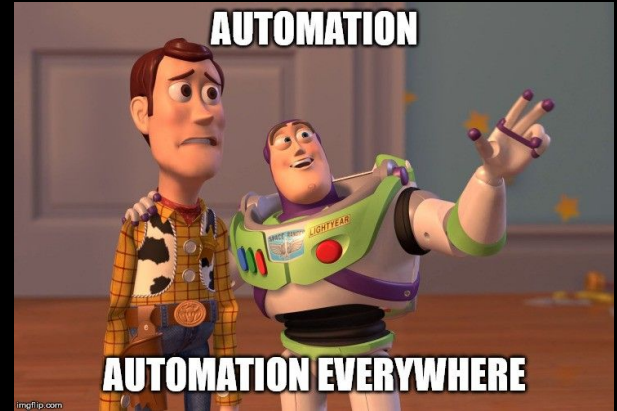


Automation Workflow



Similar Open Source Tools for Automation

1. [jaeles-project/jaeles](https://github.com/jaeles-project/jaeles) - **Jaeles Project**
2. [detectify/ugly-duckling](https://github.com/detectify/ugly-duckling) - **Detectify**
3. [google / tsunami-security-scanner](https://github.com/google/tsunami-security-scanner) - **Google**
4. [1N3/Sn1per](https://github.com/1N3/Sn1per) - **Xero Security**



References

- [Nuclei - Fuzz all the things](#)
- [Writing Network Templates with Nuclei](#)
- [Community-powered scanning with Nuclei](#)
- [Github Actions for Application Security](#)
- [Nuclei Unleashed - Quickly write complex exploits](#)
- [Hack with Automation !!!](#)
- [Recon with Me !!!](#)