SLIIT
Discover Your Future

BSc (Hons) in IT Specialized in CS
Year 2, 2022

Tutorial 03
SNP **DevSecOps**

---

1. What is DevSecOps?

    - DevSecOps is a trending practice in application security (AppSec) that involves introducing security earlier in the software development life cycle (SDLC). It also expands the collaboration between development and operations teams to integrate security teams in the software delivery cycle.

2. What is the difference between DevSecOps and DevOps?

    - Modern software development leverages an agile-based SDLC to accelerate the development and delivery of software releases, including updates and fixes. DevOps and DevSecOps use the agile framework for different purposes. DevOps focuses on the speed of app delivery, whereas DevSecOps augments speed with security by delivering apps that are as secure as possible as quickly as possible. The goal of DevSecOps is to promote the fast development of a secure codebase.

3. Which application security tools are used in DevSecOps?

    - Static application security testing (SAST).
    - Software composition analysis (SCA).
    - Interactive application security testing (IAST).
    - Dynamic application security testing (DAST).

4. Do you think Kubernetes is secure?

    - Kubernetes provides innate security advantages. For example, application containers are typically not patched or updated — instead, container images are replaced entirely with new versions. This enables strict version control and permits rapid rollbacks if a vulnerability is uncovered in new code.

5. You are asked to develop an application from scratch. When will you start performing Threat Modeling of the application