

# SSDLC (Security Software Development Lifecycle)

Integrating security into the development process



# SSDLC

## (Security Software Development Lifecycle)

### What is SSDLC?

organizations today have a well-oiled machine with the purpose to create, release, and maintain functional software. However, the increasing cyber security concerns and business risks associated with insecure software have brought increased attention to the need to integrate security into the development process. Implementing a proper Secure Software Development Life Cycle (SDLC) is important now, more than ever.

SSDLC (Secure Software Development lifecycle) is a process model used by organizations to build secure applications. The SSDLC Process define how to integrate security into the software development process.

### Why is it so important?

A secure SDLC process ensures that security assurance activities such as design review, architecture analysis , , code review, and penetration testing are an integral part of the development lifecycle. The SSDLC process helps with those topics, by integrating them into the overall development lifecycle with the following results:

- More secure software
- Reducing / preventing damage caused by cyber attacks
- Early detection of flaws in the system
- Reducing the costs of repairing information security weaknesses in applications
- Significantly decreasing the number of vulnerabilities in the application when it is ready to go live, thereby reducing delays in the go-live process.
- Awareness of security considerations by developers and stakeholders.
- Overall reduction of inherent business risks for the organization.

### Consumer Problems

Most organizations conduct security testing after they finish developing the Application and a short time before going "live" with the application, the result might be:

- Finding the vulnerabilities late, hence the cost of fixing them is higher.
- there might not be enough time to fix all vulnerabilities
- might cause delay in launching the application, or launching a not secured enough application.
- Lack of Awareness to security considerations by developers and stakeholders.
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### Our Solution

Comsec assists organizations implement an SSDLC process including:

- Writing the SSDLC process itself
- Conducting secure development training sessions for developers
- Design review
- Architecture analysis
- Code review
- Penetration testing

### Why comsec

Many organizations that tried to implement SSDLC Process failed!

The reason lies in that SSDLC Process must be assimilated into the organization, according to each organization's requirements. Comsec has years of experience in assisting organizations implement a solution that fits their needs. With vast background in Application development and application Security, Comsec professionals will fit the most appropriate SSDLC process for your organization.