

ABSTRACT

TOPIC: DevSecOps

DevSecOps adds security into DevOps, further refining the concept to address code quality, security, and reliability assurance through automation, enabling continuous security and compliance.

DevSecOps stands for development, security, and operations. It is an extension of the DevOps practice. Each term defines different roles and responsibilities of software teams when they are building software applications. It is the practice of integrating security testing at every stage of the software development process. It includes tools and processes that encourage collaboration between developers, security specialists, and operation teams to build software that is both efficient and secure. DevSecOps brings cultural transformation that makes security a shared responsibility for everyone who is building the software.

Key themes explored in this seminar include DevSecOps in the SDLC, working components, DevSecOps tools, DevSecOps in agile development, Launching a DevOps to DevSecOps transformation, how AWS support DevSecOps implementation.

DevSecOps is a response to the evolving challenges and demands of the real-world cybersecurity landscape. It reflects a holistic and proactive approach to security that recognizes the interconnections of development, security, and operations in the face of modern cyber security threats.