Xroad communication protocol and administration

Duration : 2 Days

Course Content

X-ROAD® is open-source software and ecosystem solution that provides unified and secure data exchange between organisations. X-Road provides a robust and secure solution to exchange data and establish a collaborative ecosystem. It streamlines data exchange processes, enhances security, and facilitates interoperability, enabling organisations to derive greater value from their data assets.

X-Road provides a centrally governed distributed platform for managing data exchange within an ecosystem. It enables organisations to manage data sharing policies, access controls, and data usage guidelines across multiple participants. X-Road is designed to handle large-scale data exchange ecosystems. It supports the ecosystem's growth by accommodating new participants and scaling up the infrastructure as needed. X-Road promotes trust among ecosystem participants by ensuring secure and auditable data exchange. It enables organisations to track and monitor data transactions, ensuring transparency and accountability within the ecosystem. X-Road fosters collaboration among participating organisations by enabling seamless data sharing. It allows organisations to discover and connect with potential partners, opening up opportunities for joint initiatives, research, and innovation. By deploying X-Road, organisations can avoid the development costs of building custom data exchange solutions. It offers a reusable solution, reducing the overall investment required for setting up a data exchange ecosystem.

Prerequisite

- XRoad Installing and Configuring

Who Should Attend

- Xroad Administrator
- Developer
- Network and System Administrator

Course Outline

- Xroad Technology and Architecture Overview
- Xroad Configuration
  - System services
  - Memory allocations
  - Configuration
  - Autologin
- Xroad Operations
  - User management
  - Logs
  - Backups
  - Monitoring
  - System parameters
  - Communication with the client information systems
  - Management REST API
  - Federation
- Data exchange
  - Introduction
  - Transport protocol
  - Message protocol for REST
  - Message protocol for SOAP
  - Identifying entities
  - Understanding error messages