

Asterisk Development

Day 1:

Introduction to Asterisk and Basic Configuration

Overview of Asterisk: What it is and its significance in telecommunication

Understanding VoIP (Voice over Internet Protocol) and SIP (Session Initiation Protocol)

Installation and setup of Asterisk on Linux

Basic configuration of Asterisk: Configuring extensions, trunks, and dial plans

Hands-on lab: Installing Asterisk and configuring a basic phone system

Day 2:

Advanced Configuration and Customization

Exploring advanced features and capabilities of Asterisk

Customizing dial plans and call routing in Asterisk

Implementing call queuing and automatic call distribution (ACD)

Integration with external applications and databases

Hands-on lab: Customizing dial plans and implementing call queuing

Day 3:

Asterisk Application Development

Overview of Asterisk APIs (Application Programming Interfaces)

Introduction to Asterisk AGI (Asterisk Gateway Interface) and AMI (Asterisk Manager Interface)

Developing custom Asterisk applications using AGI and AMI

Implementing call recording, IVR (Interactive Voice Response), and voicemail

Hands-on lab: Developing custom Asterisk applications