

Day - 1

- **Installation and Updates**

- Nagios Dependencies & Prerequisite
- Manual installation
- Upgrading your installation
- Installing of Nagios
- Nagios Configuration

- **Nagios Terminology**

- Host Checks & Service Checks
- Host groups
- Contacts
- Contactgroup
- Notifications
- State types: SOFT, HARD
- Time periods
- Event Handlers
- Addons& Plugins

Day - 2

- **Administration**

- Checking system status
- Managing users
- Cloning user accounts
- Masquerading as a user
- Managing components
- Managing plugins
- Core Configuration Manager:
- Accessing the CCM

- **Dashboards**

- Understanding and using dashboards
- Customizing dashboards

- **Using Nagios for Monitoring**

- Working with New Version Control Features
- Introduction
- Version Control Enhancements
- Demo: Git Branching Enhancements
- Demo: Working with Git Branches
- Git Rebase
- Demo: Git Rebase
- Git Branch Policies
- Demo: Configure Branch Policies
- Demo: Create a Pull Request
- Demo: Resolve Branch Policy Issues
- Quick Code Edit
- Demo: Quick Code Edit
- Summary

Day - 3

- **Using Nagios for Monitoring**

- Monitoring Windows machines:
- Installing the NSClient++ agent on Windows machines
- Monitoring a Windows desktop
- Monitoring a Windows server
- Monitoring Linux machines:
- Installing the Linux agent
- Using the Linux monitoring wizard
- Monitoring a website
- Monitoring website URLs
- Monitoring DNS
- Monitoring a router or switch
- Monitoring FTP servers
- Monitoring common TCP/UDP ports

- **Network Monitoring Using Nagios**

- Monitoring Network Devices
- Publicly Enabled Service (HTTP, FTP etc.)
- Hostgroup Configuration
- Service group Configuration
- Check Scheduling
- Event Handlers
- Runtime Modification of Nagios Parameters

Day - 4

- **Auto-Discovery**

- Running auto-discovery jobs

- **Notifications in Nagios**

- Configuring notification preferences
- Using different notification methods
- Customizing notification messages
- Customizing mobile providers
- Sending Notification via E-mail
- Scheduling the Notification

Day - 5

- **Building Software**

- Introduction
- Build Agent
- Demo: Configure a Build Agent
- Demo: Build Capabilities
- Build Definition
- Demo: Create a Build Definition
- Running a Build
- Demo: Running a Build
- Build Customization
- Demo: Customize a Build and View Test Results
- Demo: Customize with Build Steps
- Demo: Multiple Configurations and Parallel Builds
- Demo: Build Triggers - Continuous Integration and Pull Requests
- Demo: Capabilities and Demands
- Demo: Build Definition History
- Demo: Build Definition Templates
- Summary

- **Testing Software**

- Introduction
- Test Hub1
- Demo: Create a Test Plan
- Demo: Create Test Suites
- Demo: Create Test Cases
- Demo: Create Test Cases from the Grid View
- Demo: Shared Steps
- Demo: Test Parameters
- Demo: Shared Parameters
- Demo: Running Tests
- Demo: Test Run Analysis
- Demo: Export Test Plans
- Exploratory Testing Extension
- Demo: Install Exploratory Testing Extension
- Demo: Exploratory Testing Results
- Kanban Integration
- Demo: Creating Test Cases from the Kanban Board
- Summary

- **Integrating with TFS 2015**

- Introduction
- Marketplace
- Demo: Installing Marketplace Extensions
- Demo: Working with Extensions
- Demo: Manage Extensions
- Creating Extensions
- Demo: Create an Extension

- **Demo: Packaging Extensions**

- Demo: Packaging Extensions
- Demo: Install an Extension
- TFS 2015 API
- Demo: TFS 2015 API
- Service Hooks
- Demo: Service Hooks
- Summary