

ZABBIX TRAINING:

- Overview: Zabbix functionality
- Zabbix definitions
- Zabbix user interface overview
- User profile
- Data visualization: Latest data
- Data visualization: Graphs
- Data visualization: Overview
- Data visualization: Web monitoring
- Data visualization: Problems
- Problem: Acknowledgement
- Data visualization: Maps
- Data visualization: Dashboard and widgets overview
- Data visualization: Inventory
- Data visualization: Services
- Data visualization: Reports
- Notifications: Overview
- Notifications: Escalations
- Notifications: Proactive monitoring
- Notifications: Maintenance
- Automation: Network discovery
- Automation: Auto-registration
- Configuration parameters: Zabbix server, Zabbix agent
- Installation: Encryption in Zabbix
- Installation: Docker images
- Administration: Maintenance and operations - best practices, DB sizing, upgrades
- Administration: Problems, challenges, and solutions

LAB:

- Provisioning a Linux to Install Zabbix Server
- Download and Install The Zabbix Repository
- Install Zabbix Server, Frontend and Agent
- Create the Initial Database - DONE
- Configure SSL for Zabbix Server Front end
- Configure a Domain name for the Zabbix Server
- Install Zabbix Agent on Same Network as Zabbix Server
- Install Zabbix Agent (Active) on a Windows Host Behind a Firewall
- Install Zabbix Agent on CentOS
- Zabbix Agent Auto Registration
- Install and Configure Zabbix Proxy
- Enable PSK Encryption for Zabbix Agents

- Creating host item, host triggers.
- Set up email media type
- Create host graph
- Convert Host Items, Triggers and Graphs To A Template
- Template dashboard, monitoring dashboard.
- Creating network map
- Reading Windows Event Logs
- Item Preprocessing with Regex, javascripts,d
- Item Cloning to Create a PCI DSS Windows Template
- Importing Templates
- Media type : telegram..
- Customising Trigger Alert Messages with Macros
- Add Disk Space History Graph To OS Linux Template
- Trigger Prototypes and Triggering within a Range
- Configure Trigger 'Ok Event Generation' to minimise Alert Flapping
- Remote HTTP monitoring using Web Scenarios
- JSON API Monitoring with the HTTP Agent Item
- Execute Bat File on Remote Windows Host with Zabbix Agent
- Execute Python Script on Remote Linux Host with Zabbix Agent
- Execute a Shell Script using Zabbix Agent
- User Defined Parameters
- Administration Scripts
- Creating Custom Low Level Discovery Rules
- Setup SNMP Hosts in Zabbix
- Query SNMP Hosts using OIDs
- Query SNMP Hosts using MIBs
- Set up a Network Discovery Rule and Action to Auto Configure SNMP
- Using the 'Zabbix Get' Command
- Zabbix Sender and Trapper
- Users, Groups & Roles

Extra Asked Topics:

- 1. Setup SNMP Trap
- 2. Show the demonstration of SMTP based Email Notification, it should be on Koenig-DC Lab
- 3. Use cases in Scripting and automation examples (Executing the script using zabbix agent) (IMPORTANT) – We will use Ansible