

Online Seminar

NTP

Key Features, Monitoring & Management

Overview

Everything you ever wanted to learn on Network Time Protocol (NTP) in a compact and efficient way. NTP is the most widely used time protocol for network synchronization which has been invented in the late 1980s. This standard protocol is used for time synchronization of Unix/Linux and Windows systems with accuracies ranging from micro to milliseconds, depending on different network environments. It is applied in various industries from power, automation, traffic and controlling, telecommunications, data centers to corporate IT to list a few of them.

In order to configure a timeserver for your particular architecture extensive options and protocols are available. In the class we will introduce you to remote management and monitoring of Meinberg LANTIME servers via Web GUI, CLI, front panel and SNMP. Redundant NTP server configuration will be explained in detail; a cluster server mode and high-availability bonding will be shown and practiced as hands-on examples.

Target Audience

- | Network Administrators
- | Network Architects
- | Network and IT Engineers

Agenda

Thematic Block I

- | NTP overview and key features
- | Time packet sequence
- | Ntpd, ntpq, ntp.conf
- | Linux / Windows Time Service (w32time)
- | Stratum 1 to Stratum n architectures
- | Redundancy Concepts
- | Cluster mode and High Availability Bonding
- | NTP security measures

Thematic Block II

- | Management and monitoring of LANTIME and microSync devices
- | LTOS7 Web UI and Meinberg Device Manager
- | NTP Client Monitoring
- | Trigger alarms and notification channels
- | Firmware update / upgrade
- | SNMP Management
- | CLI, SSH, Telnet, FPC und other remote connections
- | NTP short listed Linux commands

Key Takeaways

After the NTP Complete course the participants will be able:

- | To describe benefits of an NTP synchronized network
- | To apply NTP synchronization in different platforms and industries
- | To understand important NTP network related concepts
- | To install and configure an NTP server for a particular use and functions
- | To efficiently manage and monitor Meinberg LANTIME NTP server
- | Basic troubleshooting of an NTP server

Session Details

DURATION	Approx. 1 Day
LANGUAGE	German / English (Depending on Participants)
PRICE	558,00 EUR excl. VAT; Additional participants from the same company receive a 10 % discount on the registration fee
COURSEWARE	Cisco Webex / Microsoft Teams / GoToWebinar

Registration

To register for our NTP training course, please submit your data using our contact form at:

www.mbg.link/training

You can also choose to register by emailing to info@meinberg.de or calling our headoffice at +49 5281 9309-0.

Your registration will become mandatory after we send you a confirmation.

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