

Atos Unify Academy

Unify OpenScape 4000 Expert Training for Service

Course code OS4EXPESCS

Target Group Service technicians

Course language	Delivery type	Duration
English	Classroom	5 days

Course description

This is an advanced training course for HG3500/vHG3500. The participant learns advanced IP-trunking scenarios like SIP-trunking with Unify OpenScape Voice and the connectivity to an Internet Service Provider. Furthermore the features DMC and QoS are trained. Another issue of the course are the Signaling and Payload Survivability and Access Point Emergency. The encryption of Unify OpenScape 4000 subscribers and trunks is trained (feature Signaling and Payload Encryption). In addition, different IP Client szenarous will be explained and configured. At least, the participant gets an explanation how to handle the WBM as well as the troubleshooting.

Learning Target

The participant is able to:

- VoIP knowlege about Codecs, QoS and QoS methods, DMC and Jitter,
- Configure Direct Media Connections and End-to-end Payload connections
- Configure and maintain an IP trunking network between Unify OpenScape 4000 systems with Unify OpenScape Voice as SIP-Proxy
- Configure and maintain a SIP-Carrier (Internet Service Provider) to an Unify OpenScape 4000
- Configure networking of Unify OpenScape 4000 Systems via Point-to-Multipoint,
- Configuration of the OSMO Client with Unify OpenScape 4000,
- Configuration of Unify Phone for Unify OpenScape 4000,
- Configuration of a SIP (UFIP) subscriber and coresponding features,
- WEB RTC Client with Unify OpenScape 4000,
- Configuration of a Secure Remote Subscribers as well as SIP@Home,
- Configure and maintain Signaling and Payload Survivability (IP)
- Configure and maintain Access Point Emergency (APE)
- Signaling and Payload Encryption configuration and maintain
- Use the WBM of HG3500/vHG3500 and to perform trouble shooting
- Troubelshooting Tools (IP-Trace, Permanent Trace, Wireshark and Message Doctor Basics)

Prerequisites

Knowledge of the courses:

- OS4ADV1SCS
- <https://academy.unify.com/enweb/beschreibung1.jsp?Course=93AABUC>

- Wireshark knowledge communicated in course "Wireshark Training for VoIP and SIP" offered by the PTM Akademie
 - <https://www.ptm.de/de/training/d/t/wireshark-training-fuer-voip-und-sip-in-muenchen/>
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Contents

VoIP Infos

- Codecs
- QoS and QoS methods
- DMC and Jitter

Connections

- Configure Direct Media Connections and End-to-end Payload connections
- Configure and maintain an IP trunking network between Unify OpenScape 4000 systems with Unify OpenScape Voice as SIP-Proxy
- Configure and maintain a SIP-Carrier (Internet Service Provider) to an Unify OpenScape 4000
- Configure networking of Unify OpenScape 4000 Systems via Point-to-Multipoint,

Clients

- Configuration of the OSMO Client with Unify OpenScape 4000,
- Configuration of Unify Phone for Unify OpenScape 4000,
- Configuration of a SIP (UFIP) subscriber and corresponding features,
- WEB RTC Client with Unify OpenScape 4000,
- Configuration of a Secure Remote Subscribers as well as SIP@Home,

Configure and maintain Signaling and Payload Survivability (IP)

Configure and maintain Access Point Emergency (APE)

Signaling and Payload Encryption configuration and maintain

Use the WBM of HG3500/vHG3500 and to perform trouble shooting

Troubelshooting Tools

- IP-Trace
 - Permanent Trace
 - Wireshark and Message Doctor Basics
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Further information:

Please contact us for further information or bookings:

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