



3020 LifeX Administrator Course

[Level 2]

Target group System administrators and technicians	Location Customer site or Frequentis TEC (Vienna)
Language English (unless otherwise agreed)	Max. number of participants 6
Duration 3 days	Course ID PS1220

Participants will, through extensive practical exercises, learn how to perform system administration including scheduled and corrective system administration tasks for 3020 LifeX up to level 2.

Course goals

Upon successful completion of this course, participants will be able to

- › integrate the telephone network, including its services, into 3020 LifeX
- › integrate the TETRA network, including its services, into 3020 LifeX
- › integrate TETRA-PEI radios, including their services, into 3020 LifeX
- › integrate analog radios into 3020 LifeX
- › set system-wide parameters (e.g. telephone, TETRA)
- › set operations-relevant parameters (e.g. call routing)
- › perform system administration tasks
- › run backup and restore procedures
- › perform disaster recovery procedures

Knowledge

It is assumed that participants

- › have successfully completed the 3020 LifeX Administrator Course [Level 1] (PS1210) immediately prior to attending this course

- › have experience in IT infrastructure management
 - IT infrastructure monitoring (e.g. ZABBIX), logging (e.g. ELK) and troubleshooting
 - virtualisation technologies (e.g. VMware, Hyper-V)
 - managing Windows server (e.g. Windows Active Directory)
 - IT security (e.g. Kerberos authentication, certificates)
 - database administration (e.g. MS SQL, postgres, mongoDB)
- › have good knowledge of VoIP (e.g. SIP, RTP, SIPRec)

Qualifications

The following qualifications are necessary:

- › English language level (CEFR): minimum B2
- › 5 years' engineering experience in IT and networking environments
- › Certified IP Telecom Network Specialist (CIPTS) certification or equivalent experience
- › Certified Telecommunications Analyst (CTA) certification or equivalent experience
- › Cisco CCNA certification or equivalent experience
- › Either VMware Certified Associate (VCA) or Microsoft Specialist for Server Virtualization with Windows Server Hyper-V or equivalent (depending on solution in use) or equivalent experience
- › MCSA SQL Server certification or equivalent experience

Training agenda

Day 1	Welcome Health and safety Course documentation overview Introduction to the working environment System architecture and services Integration of services into 3020 LifeX Conclusion
Day 2	Review System administration Backup and restore Disaster recovery Conclusion
Day 3	Review Case studies and best practices (instructor guided) Summary and review Student assessment Assessment feedback Student feedback Student certification Course closure

