CUBE Maintainer Course (Level 0,1&2)

Target group	Location
Maintainers and system administrators	Customer site or Frequentis TEC (Vienna)
Language	**Max. number of participants**
English (unless otherwise agreed)	8
Duration	**Course ID**
2 days	CU0330

Participants will, through extensive practical exercises, learn how to perform scheduled and corrective system maintenance for CUBE up to level 2.

Course goals

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

〉 identify and describe the system components and their functions
〉 check system status
〉 identify and rectify faults
〉 respond to major faults
〉 perform snapshot handling
〉 perform parts replacement
〉 perform vSAN administration

Knowledge

It is assumed that participants

〉 have a good understanding of written and spoken English
〉 have a good understanding of IT infrastructure management:
  – server hardware maintenance and operation
  – configuration of IT routers and switches
  – IT infrastructure monitoring (e.g. ZABBIX), logging (e.g. ELK) and troubleshooting
  – virtualisation technologies (e.g. VMware) and storage (e.g. vSAN)

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- managing Windows environment (e.g. Windows Active Directory)
- deployment (e.g. Ansible)

Qualifications

The following qualifications are necessary:

〉 English language level (CEFR): minimum B2
〉 VMware VCP Certification and/or 3 years' engineering experience in administration of virtual environments
〉 Cisco CCNA certification or equivalent experience and/or 3 years' engineering experience in IT and networking environments.

Training agenda

Day 1	Welcome | Health and safety | Course documentation overview | Introduction to the working environment | Server hardware and resources overview | Virtualisation recap | Conclusion
Day 2	Review | System administration (vCenter and VM) | vSAN administration | Inspection processes and troubleshooting (failover scenarios) | Maintenance procedures | Case studies and best practices (instructor guided) | Summary and review | Student assessment | Assessment feedback | Student feedback | Student certification | Course closure

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