Master Class: Advanced Python (Associate Training) (PYTHON03)

ID PYTHON03 **Price** CHF 2,550.—(excl. VAT) **Duration** 3 days

Who should attend

Entry-level Python developers who want to deepen their knowledge and skills and Python developers who want to make the step from script to application.

Prerequisites

Previous course Python for Beginners 1 (PYFUN1) or Python for Beginners 2 (PYFUN2) or equivalent knowledge

Course Objectives

After this course you will be able to use Python in a deeper and more efficient way to develop more complex scripts or whole applications.

Course Content

1. Organizing and Structuring Projects in Python

- Virtual Python environment
- Version management

2. Modularisation

- Global modules
- Local modules
- Packages
- Importlib

3. Iterators

- Comprehension
- Chained lists
- Generators

4. Object-Oriented Programming in Python

- Classes and objects
- Access to attributes
- Inheritance

5. Naming Conventions and Best Practices

6. System Functions

- The modules os, sys, psutil
- Standard input and output
- Working with files

7. Working with Third-Party Packages

- Numpy
- Matplotlib
- Pandas
- Scipy
- etc.

8. Testing and Tuning

- Automated testing
- Logging
- Performance Analysis
- Optimization

9. Simple Web Applications with Python

- Django

10. Outlook Machine Learning with Python

11. Outlook Network Programming with Python

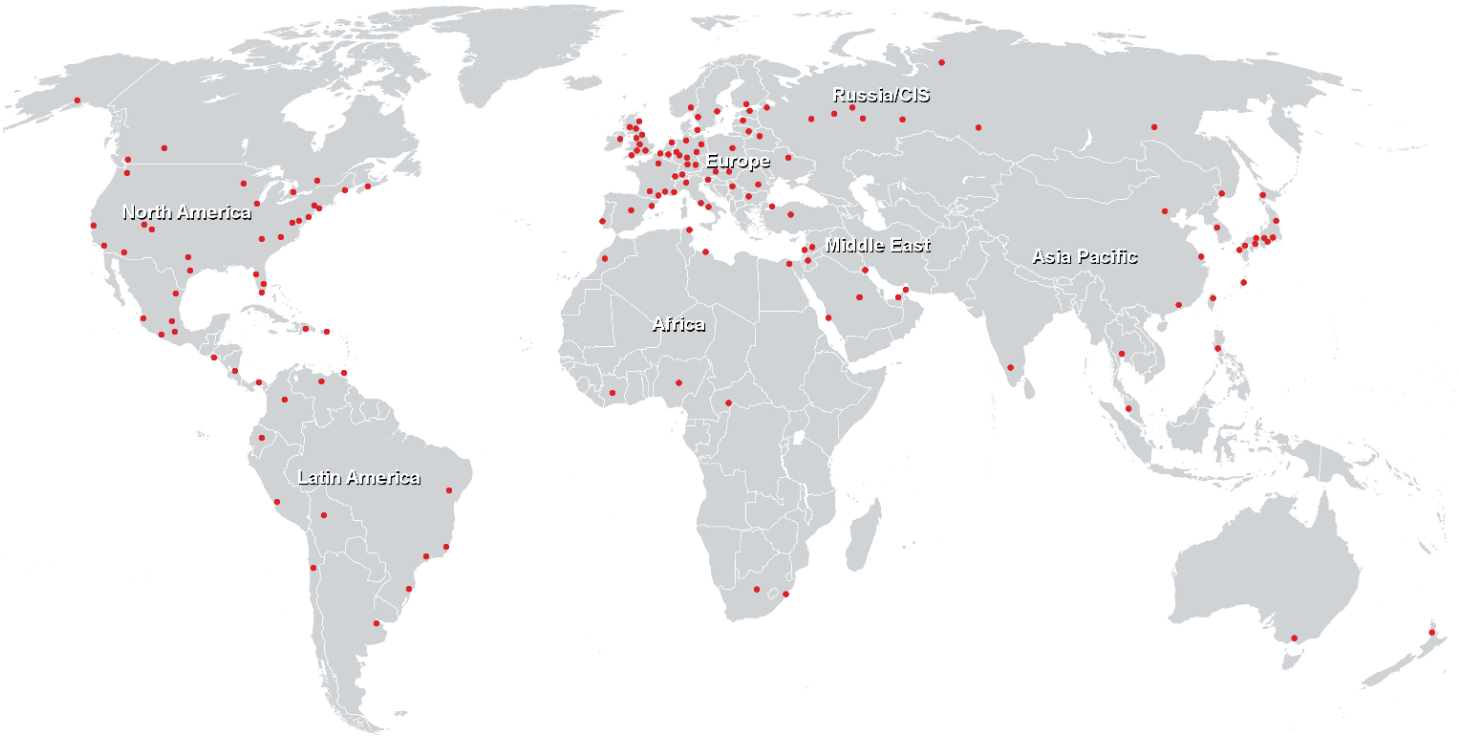
12. Python Hosting

- Program Distribution
- Python in SQL Server
- Python in Power BI

13. Programming Style, Best Practices

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Training Centres worldwide





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