

IBM System z Fast Track (ESZ0G)

ID ESZ0G **Price** 8,500.— €(excl. tax) **Duration** 10 days

Who should attend

This basic class is intended for the technical professional that is new to the mainframe environment.

Prerequisites

You should have an understanding of:

- Basic data processing concepts
- I/O concepts

Course Objectives

This 10 day course is intended to give IT professionals a well rounded introduction to the System z environment, current servers, operating systems, software utilities, and middleware. Through lecture and hands-on labs it will provide the basic skill set to jump start productivity for technical professionals new to the mainframe environment. The skills taught in this course can be applied across multiple mainframe job roles.

The course consists of 24 units and 16 hands-on lab exercises.

Course Content

This course is designed to give new hire IT professionals an introduction into the IBM Z environment. The IBM mainframe servers, operating systems and software products will be discussed. Through lecture and hands-on labs, this course will provide the basic skill set to jump start productivity for technical professionals who are new to the mainframe environment. The skills taught in this course can be applied across multiple mainframe job roles. This course consists of 16 lecture units and 11 lab exercises.

Detailed Course Outline

- Mainframes and distributed server comparisons: Why so

- many servers?
- Mainframe directions: Past, current, and future
- Mainframes: System z introduction and relative performance comparisons
- IBM System z hardware design: Frames, CEC cage, books, models and MSUs
- I/O Infrastructure and processor usage: zEC12 to z10 comparisons
- System z Capacity on Demand
- Physical/Logical partitioning, server initialization, and CHPIDs
- I/O configuration and HCD overview
- MVS to z/OS software overview
- z/OS Parallel Sysplex
- z/OS enhancements on the zPlatform
- z/Architecture overview and virtual addressing concepts
- System concepts: The big picture
- HMC introduction, groups, and activation profiles
- Determining object status and error conditions
- Activation and operating system interface
- z/OS base elements and optional features
- z/OS system programming
- z/OS system libraries
- Data center components and trends
- TSO/E and ISPF/PDF
- Data sets and accessing with ISPF/PDF
- ISPF/PDF editor
- Copy/Move/Rename/Delete
- Data Set List
- TSO/E commands and TSO/E programming
- Introduction to JES and JCL
- JOB, EXEC, and DD statements
- DD parameters
- Traditional applications
- Programming languages
- Object technology
- System-level-security
- Network-level security
- Transaction-level security
- Directory services
- z/OSMF
- SDSF
- Working with UNIX System Services
- Introduction to utilities and conditional execution
- Data management, organization, and format
- Generation data groups
- Procedures

- More about utilities
- More on procedures
- Selected JCL topics
- SORT and MERGE
- ABENDs

About Fast Lane



Fast Lane is a global, award-winning specialist in technology and business training as well as consulting services for digital transformation. As the only global partner of the three cloud hyperscalers- Microsoft, AWS and Google- and partner of 30 other leading IT vendors, Fast Lane offers qualification solutions and professional services that can be scaled as needed. More than 4,000 experienced Fast Lane professionals train and advise customers in organizations of all sizes in 90 countries worldwide in the areas of cloud, artificial intelligence, cyber security, software development, wireless and mobility, modern workplace, as well as management and leadership skills, IT and project management.

Fast Lane Services

- ✓ High End Technology Training
- ✓ Business & Soft Skill Training
- ✓ Consulting Services
- ✓ Managed Training Services
- ✓ Digital Learning Solutions
- ✓ Content Development
- ✓ Remote Labs
- ✓ Talent Programs
- ✓ Event Management Services

Training Methods

- ✓ Classroom Training
- ✓ Instructor-Led Online Training
- ✓ FLEX Classroom – Classroom & Online Hybrid
- ✓ Onsite & Customized Training
- ✓ E-Learning
- ✓ Blended & Hybrid Learning
- ✓ Mobile Learning

Technologies & Solutions

- ✓ Digital Transformation
- ✓ Artificial Intelligence
- ✓ Cloud
- ✓ Networking
- ✓ Cyber Security
- ✓ Wireless & Mobility
- ✓ Modern Workplace
- ✓ Data Center



Worldwide Presence
with high-end training centers
around the globe



Multiple Awards
from vendors such as AWS,
Microsoft, Cisco, Google, NetApp,
VMware



Experienced SMEs
with over 19.000 combined
certifications

Germany

**Fast Lane Institute for Knowledge
Transfer GmbH**
Tel. +49 40 25334610
info@flane.de / www.flane.de

Austria

ITLS GmbH
(Partner of Fast Lane)
Tel. +43 1 6000 8800
info@itls.at / www.itls.at

Switzerland

**Fast Lane Institute for Knowledge
Transfer (Switzerland) AG**
Tel. +41 44 8325080
info@flane.ch / www.flane.ch