



Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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Email: training.ecs.fr@arrow.com
Phone: 01 49 97 50 00



TCP/IP for z/OS: Diagnostics and Debugging

CODE: **DURÉE:** **PRIX H.T.:**

NW79G 32 Hours (4 Jours) €3,100.00

Description

This course is designed to give you the skill required to diagnose and debug TCP/IP problems when operating on z/OS. This skill consists in developing knowledge of commands and tools together with a methodology in tackling TCP/IP problems. The lab activity and paper projects provide an opportunity to debug real problems.

Objectifs

- Learn what commands are useful in a z/OS environment to control TCP/IP resources, the TELNET application, and debug TCP/IP simple network problems
- Learn which trace types (packet, TELNET, FTP, and so forth) are available in a z/OS environment and know:
 - What kind of information can be found in a trace
 - When to activate a trace
 - How to activate a trace
 - How to interpret a trace (for the packet trace there is a dedicated topic)
- Use the proper diagnostic technique to approach TCP/IP problems
- Describe the Syslog function in the UNIX environment and know how to configure the `/etc/syslog.conf` file
- Understand how to handle and modify the translate tables used by many TCP/IP applications that connect to remote systems which use ASCII character coding
- Activate and interpret several trace types, and debug some real problems which involve the use of various application protocols.

Audience

This intermediate course is for anyone who works on TCP/IP networks and provides support in the resolution of communication problems on z/OS.

Prérequis

You should have:

- Completed *TCP/IP for z/OS Implementation Workshop (CB695)*
- Knowledge of z/OS.

Programme

Day 1

- Welcome
- Unit 1: Introduction
- Unit 2: TCP/IP commands and utilities
- Exercise 1: TCP/IP commands and lab discovery
- Unit 3: TCP/IP traces
- Unit 4: Using IPCS with TCP/IP traces
- Exercise 2: Packet trace
- Exercise 3: OSA diagnosis lab

Day 2

- Unit 5: IP data flows
- Unit 6: Telnet
- Exercise 4: Telnet problems
- Unit 7: SyslogD and application traces
- Unit 8: FTP
- Exercise 5: FTP client
- Exercise 6: FTP server

Day 3

- Unit 8: FTP (continued)
- Unit 9: Debugging techniques
- Exercise 7: Problem Diagnosis (problem 1)
- Exercise 7: Problem Diagnosis (problem 2)
- Exercise 7: Problem Diagnosis (problem 3)
- Exercise 7: Problem Diagnosis (problem 4)
- Exercise 7: Problem Diagnosis (problem 5)

Day 4

- Unit 10: OMPRoute
- Exercise 8: OMPRoute
- Exercise 9: Storage usage
- Unit 11: Dump verification
- Exercise 10: Dump verification

Dates de session

Sur demande. [Merci de nous contacter](#)

Informations

Complémentaires

[Cette formation est également disponible sous forme de formation sur site. Veuillez nous contacter pour en savoir plus.](#)