



aractech

Global Learning for Operational Leaders

IT MANAGEMENT AND CYBER SECURITY | IMCS-023

Systems Administration: Windows and Linux Servers

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Course content

Why Attend

System administrators keep servers secure, available and performing well. Many organisations run mixed Windows and Linux environments, requiring broad practical skills.

This Aractech course covers server roles and installation, user and permission management, directory services, file and print services, Linux administration fundamentals, patching, backup, monitoring, scripting basics and server hardening. Participants complete practical administration exercises in lab environments.

Course Methodology

- Hands-on labs
- Demonstrations
- Troubleshooting exercises
- Scripting practice
- Group discussions

Course Objectives

- Install and configure Windows and Linux servers
- Manage users, groups and permissions
- Administer directory and core network services
- Apply patching and backup routines
- Monitor performance and troubleshoot issues
- Harden servers and automate routine tasks

Target Audience

- System administrators
- IT support staff

Course content

- Infrastructure technicians
- Junior network administrators

Course outline

Detailed course outline

Day-by-day outline for Systems Administration: Windows and Linux Servers.

Day 1 - Server Fundamentals

- 09:00-09:39 | Server roles
- 09:39-10:18 | Installation
- 10:18-10:57 | Configuration
- 10:57-11:00 | Remote management
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Remote management (continued)
- 12:05-12:43 | Documentation
- 12:43-14:00 | Lab: Server setup

Day 2 - Windows Server Administration

- 09:00-09:39 | Directory services
- 09:39-10:18 | Group policy
- 10:18-10:57 | File and print services
- 10:57-11:00 | DNS and DHCP
- 11:00-11:30 | Coffee break
- 11:30-12:05 | DNS and DHCP (continued)
- 12:05-12:43 | Permissions
- 12:43-14:00 | Lab: Directory administration

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Day 3 - Linux Administration

- 09:00-09:39 | Linux fundamentals
- 09:39-10:18 | Users and permissions
- 10:18-10:57 | Package management
- 10:57-11:00 | Services
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Services (continued)
- 12:05-12:43 | Logs
- 12:43-14:00 | Lab: Linux administration

Day 4 - Maintenance and Monitoring

- 09:00-09:39 | Patching
- 09:39-10:18 | Backup and restore
- 10:18-10:57 | Performance monitoring
- 10:57-11:00 | Troubleshooting
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Troubleshooting (continued)
- 12:05-12:43 | Capacity
- 12:43-14:00 | Lab: Troubleshooting scenarios

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Day 5 - Security and Automation

- 09:00-09:45 | Server hardening
- 09:45-10:30 | Access control
- 10:30-11:00 | Scripting basics
- 11:00-11:30 | Coffee break
- 11:30-11:45 | Scripting basics (continued)
- 11:45-12:30 | Automation
- 12:30-13:15 | Best practices
- 13:15-14:00 | Capstone: Administration project

Seminar dates

Available seminar dates

Live dates and pricing for Systems Administration: Windows and Linux Servers generated from the course details page.

Date	Location	Format	Fee
4 - 8 January 2027	Amsterdam	Classroom	€2,830
1 - 5 February 2027	Cape Town	Classroom	€1,625
1 - 5 March 2027	Barcelona	Classroom	€2,815
5 - 9 April 2027	London	Classroom	€2,315
3 - 7 May 2027	Barcelona	Classroom	€2,815
7 - 11 June 2027	Istanbul	Classroom	€1,978
5 - 9 July 2027	Madrid	Classroom	€3,400
2 - 6 August 2027	Istanbul	Classroom	€1,978
6 - 10 September 2027	Paris	Classroom	€3,825
4 - 8 October 2027	Barcelona	Classroom	€2,815

Seminar dates

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Date	Location	Format	Fee
1 - 5 November 2027	Munich	Classroom	€3,225
6 - 10 December 2027	Kuala Lumpur	Classroom	€1,925
4 - 8 January 2027	Online / Live	Online / Live	€1,815
1 - 5 February 2027	Online / Live	Online / Live	€1,815
1 - 5 March 2027	Online / Live	Online / Live	€1,815
5 - 9 April 2027	Online / Live	Online / Live	€1,815
3 - 7 May 2027	Online / Live	Online / Live	€1,815
7 - 11 June 2027	Online / Live	Online / Live	€1,815
5 - 9 July 2027	Online / Live	Online / Live	€1,815
2 - 6 August 2027	Online / Live	Online / Live	€1,815

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