



# 4D Database Administrator Advanced

**Level 3 Course**

**Course Duration : 1 day**

**Course Code : 4D-DBA2**

## About the Course

This course will give an in-depth review of the 4D architecture and the administration of a production database. Many of the topics introduced on the foundation course are revisited but this time in much greater detail.

The 4D Server Administration courses (levels 1 & 3) are run on consecutive days so you can choose whether to combine the two days together or spend one day on the foundation course and come back at a later date for the advanced level.

## Benefits

- Advanced installation of 4D Server and 4D Client, including network components.
- Learn about advanced configuration of 4D Server databases.
- Advanced use of 4D Tools and DataCheck to carry out maintenance tasks.
- Advanced use of 4D's built in tools for querying the database and creating Quick Reports.
- Use of 4D as a web server.
- Learn how to manage users and satisfy their needs.
- Advanced use of 4D Backup for recovery and database mirroring.

## Prerequisites

It is recommended that you have attended our 4D Database Administrator Level 1 course (4D-DBA1) or that you have good knowledge of the topics covered in that course.

## What Next ?

Bespoke Training

## Course Content

### Database Parameters • Database Parameters overview

- Using Customiser Plus • Setting Memory Allocation
- Data Cache Settings • Other Tabs and Options
- Client Side Database Objects • Setting Client Memory

### Web Service • Overview of 4D as an HTTP Server

- Web Settings • Optimising Performance
- IP Number Allocation and DNS.

### Network Components • Review of NC Architecture

- Setting up for TCP/IP • 4D Ports • 4D over a WAN
- Multiple instances of 4D Server.

### Advanced Data Recovery • 4D Backup Review

- DataCheck Overview • Runtime Options
- Gremlins & NANS • Dropping Indices
- Indexation Choices and Consequences • Bad Records
- Export and Re-import • Compact and Rebuild.

### Advanced Use of 4D Backup • Scenarios and Remedies

- 4D Backup Scheduling • 4D Restore • Log file operation
- Starting a log file • Recovery from log.

### Mirroring with 4D Backup • What is database mirroring

- How does it work • Mirroring issues • Mirror set up
- Keeping your mirror working.

### Keeping the Users Happy

- Responding to Users' Functional Needs
- Changes, Requirements and Wish List Items
- Managing the development team - an administrator's perspective.

### Advanced Reporting • Quick Report Editor

- 4D Query Editor • 4D Sort Editor • Simple usage
- Adding break level reporting • Hidden columns and rows
- Calculated columns.

To make a course booking or to discuss your training requirements, please call us on **020 8245 4545** or email [training@mehdiward.com](mailto:training@mehdiward.com).

