



First Select

## SPSS (Data Management, Analysis and Control)

Date	Venues	(\$)Fees	Book your seat
08 Jun -12 Jun 2025	Istanbul	3300	<a href="#">Register Now</a>

### OBJECTIVES:

This course provides lecture and hands-on technical training on how to use Show Case Essbase, a component of the Show Case Suite from SPSS. The course begins with an introduction to the concepts and terminology of multidimensional data structures and a discussion of the basics of multidimensional database design.

### WHO SHOULD ATTEND?

This course is intended for new users and data administrators who need to understand the basic concepts and functionality of Essbase for developing and managing a multidimensional database on an iSeries (AS/400) system

### PROGRAM TOPICS:

#### Overview of Essbase and Multidimensionality:

- Describe the business need for transforming data into information.
- Describe the Essbase product and its functionality.
- Discuss the concept of multidimensionality.
- Describe the process for creating an Essbase database.
- Identify and compare the types of storage options available for Essbase databases.

#### Basics of Outline Design:

- Describe how to implement Essbase within your corporation.
- Define some common terminology used in Essbase.
- Describe the structure of an Essbase database.
- Explain how to structure dimensions, members, and attribute dimensions in an Essbase outline.
- Perform selected tasks in a lab exercise.

#### Building a Block Storage Outline:

- Describe the features that are unique to block storage:
  - The Time dimension
  - Dynamic Time Series
  - Formulas
  - Expense reporting and variance calculation
  - Shared members
- Perform selected tasks in a lab exercise.

#### Optimizing a Block Storage Outline:

- Describe the structure of a block storage database.

- Identify some techniques for improving performance when loading data and calculating the database.
- Perform selected tasks in a lab exercise.

#### Loading Data in Block Storage:

- Identify the ways to load data into a block storage database.
- Describe how to load data from a spreadsheet using the Lock and Send function in the Essbase add-in menu.
- Describe how to load data from an SQL source using an Essbase rules file.
- Identify some common errors that can occur during a data load.
- Perform selected tasks in a lab exercise.

#### Calculating a Block Storage Database:

- Describe a database calculation.
- Describe the process for calculating the database.
- Describe the various options for calculating the database.
- Discuss why it is important to validate the data in the database after the calculation.
- Identify some methods for accessing data in the database for review purposes.
- Perform selected tasks in a lab exercise.

#### Building an Aggregate Storage Outline:

- Identify the features unique to the Aggregate Storage Option:
  - Dimensions (more, sparse)
  - Label only members
  - Formulas and MDX
  - Database restructuring
- Perform selected tasks in a lab exercise.

#### Loading Data in Aggregate Storage:

- Describe the methods available for loading data into an aggregate storage database.
- Discuss some general considerations for loading data.
- Discuss some special considerations for performing incremental loads.
- Perform selected tasks in a lab exercise.

#### Aggregating an Aggregate Storage Database:

- Define aggregation.
- Describe the phases of the aggregation process.
- Perform selected tasks in a lab exercise.

#### Automating the Essbase Build Process:

- Identify the processes for automating the build for each type of database.
- Describe how to use Warehouse Builder to automate the build for a block storage database.
- Review some examples of commands to use in a CL program to automate the build for a block storage database.
- Describe how to use MaxL to automate the build for an aggregate storage database.
- Perform selected tasks in a lab exercise.

#### Managing the Essbase Environment:

- Describe how to set Essbase security to manage access to applications and databases.
- Describe how to manage users and groups.
- Describe how to work with database filters.
- Describe how to define and use a substitution variable.
- Perform selected tasks in a lab exercise.

#### WORKSHOP STYLE:

A mixture of short presentations, interactive discussion, individual exercises and group work. The emphasis throughout is on a practical approach using case material and examples



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