

NOMAD Application Development

I270

Environment

z/OS or z/VM/CMS

Audience

This course is designed to introduce mainframe NOMAD procedural syntax to users or application developers who will be building or maintaining NOMAD applications.

Format

Lecture/Workshop - 2 days

Prerequisites

- B200 Intro to NOMAD for z/VM and z/OS
- B210 Intro to Reporting for z/VM and z/OS
- I201 NOMAD Database Structures

Objectives

Upon completion of this course, the student will be able to perform the following tasks:

- Control procedural translation using directive commands
- Direct application flow within and between procedures
- Build procedures that accept user input for menus and database update
- Effectively use NOMAD's database management syntax
- Use event-triggered processing and in-line code to handle error conditions
- Program functionkeys
- Test and debug at an application or procedural level
- Perform symbolic substitution
- Write maintainable, efficient NOMAD procedures

Outline

The NOMAD Application Programming course is presented as a series of short lectures followed by one or more exercises that provide hands-on experience with the topic. There are a total of twelve exercises over the two-day course that cover the following topics:

- NOMAD concepts and usage
- Controlling translation
- Controlling procedural execution
- Loading and updating NOMAD databases from external files
- Interactive database maintenance
- Programming functionkeys
- Error handling
- Utilizing NOMAD functions in procedures
- Symbolic substitution
- Testing and debugging techniques
- Writing readable, maintainable applications

Course Summary

This course introduces mainframe NOMAD syntax and coding techniques through a structured workshop. Students concentrate on coding an application, utilizing each concept as it is introduced.