

BMS (Basic Mapping Support)

Duration	1 day.
Participants	Application developers and screen designers.
Objectives	Upon successful completion of this course, you will be able to: • Describe the use of BMS mapsets and maps in a CICS application program. • Initialize and manipulate attribute bytes. • Generate symbolic and physical maps using BMS macros.
Overview	This course is designed to be part of a beginning CICS course. However, it can be presented as a stand-alone course if participants are already familiar with CICS command language programming.
Format	Lecture and hands-on workshop. Access to a CICS test region and to TSO and working BMS JCL are required for the workshops.
Prerequisites	Basic understanding of CICS.
Topic Outline	Basics of BMS - Purpose - Terminology - Physical vs symbolic maps - Fields in the symbolic map - Special endings - Assemble/ disassemble, link, and execute steps - Three basic BMS macros - DFHMSD - DFHMDI - DFHMDF DFHMSD - mapsets - TYPE - MODE - LANG - STORAGE - TERM - CTRL - EXTATT - COLOR - TIOAPFX

BMS – Basic Mapping Support *(continued)*

Topic Outline

DFHMDI - maps

SIZE
LINES
COLUMN
JUSTIFY
CURSLOC
CTRL
DATA
HIGHLIGHT
Multiple maps in a mapset

DFHMDF - fields

POS
LENGTH
ATTRB
INITIAL, XINIT
PICIN, PICOUT
JUSTIFY
GRPNAME
OCCURS
HIGHLIGHT
COLOR
Protect vs unprotect vs askip
NUM implications
MDT - Modify Data Tag setting implications
Name limitations
Stopper byte attributes

JCL

Creating physical and symbolic maps
Verifying that jobs ran successfully

Testing Mapsets and Maps

Starting CICS
CEMT SET PROG(name) NEWCOPY
CECI SEND MAP