

<b>Chapter 1: Introduction</b>
You will learn: <ul style="list-style-type: none"><li>• Multi tasking features of CICS.</li><li>• The structure of the CICS system and how it relates to the application programmer.</li><li>• CICS storage management.</li><li>• The functions of the various CICS tables.</li><li>• Advanced features of BMS.</li><li>• Debugging aids including CEDF, CEBR, (InterTest or Xpediter).</li></ul>
<b>Chapter 2: Linkage Section</b>
You will learn: <ul style="list-style-type: none"><li>• To pass the DFHCOMMAREA to a COBOL program.</li><li>• The differences between VS COBOL and VS COBOL II.</li><li>• Addressability issues.</li></ul>
<b>Chapter 3: Dynamic Storage</b>
You will learn: <ul style="list-style-type: none"><li>• To dynamically allocate memory.</li><li>• How to free memory.</li><li>• The pitfalls of dynamic memory allocations.</li></ul>
<b>Chapter 4: BMS Advanced Features</b>
You will learn: <ul style="list-style-type: none"><li>• The advanced features of BMS.</li><li>• Creating and work with floating maps.</li><li>• Routing messages.</li><li>• Building pages for screens.</li><li>• Building pages for printing.</li></ul>
<b>Chapter 5: Advanced VSAM/CICS Features</b>
You will learn: <ul style="list-style-type: none"><li>• The browse operation and the related pitfalls.</li><li>• How to work with alternate indexes.</li><li>• Performance considerations including strings and buffers.</li><li>• Locking considerations for VSAM.</li></ul>

<b>Chapter 6: Internal Control</b>
You will learn: <ul style="list-style-type: none"><li>• How to start a transaction.</li><li>• How to start a transaction at a specified expiration time.</li><li>• Dispatching and priority logic.</li><li>• How to start jobs that are not attached to a terminal.</li><li>• How to pass information to a STARTed transaction.</li></ul>
<b>Chapter 7: VSAM Pools</b>
You will learn: <ul style="list-style-type: none"><li>• Where VSAM strings and pools are defined.</li><li>• How to utilize both shared and non-shared strings.</li><li>• The number of strings which are needed for an application.</li><li>• How to specify buffer size.</li><li>• Creating VSAM files for use in CICS.</li></ul>
<b>Chapter 8: Task and Resource Control</b>
You will learn: <ul style="list-style-type: none"><li>• The performance differences between LINK, XCTL and CALL.</li><li>• How to use the CALL statement.</li><li>• How to use the SUSPEND statement.</li><li>• How to lock resources.</li></ul>
<b>Chapter 9: Passing Data and Pseudo Conversational Programming</b>
You will learn: <ul style="list-style-type: none"><li>• Issues relating to psuedo conversational programming.</li><li>• How to pass data between programs, tasks and applications.</li><li>• Program design.</li><li>• How to handle abnormal conditions.</li><li>• Program structures and logical levels.</li></ul>
<b>Chapter 10: Temporary Storage</b>
You will learn: <ul style="list-style-type: none"><li>• How to create and delete TS queues.</li><li>• Issues relating to using all of TS queues memory.</li><li>• TS queues exceptional conditions.</li><li>• How to pass scratchpads and large queues to another application.</li></ul>

<b>Chapter 11: Transient Data</b>
You will learn: <ul style="list-style-type: none"><li>• Reading and writing with intrapartition queues.</li><li>• Reading and writing with extrapartition queues.</li><li>• Deleting the contents of an TD queue.</li></ul>
<b>Chapter 12: DB2/CICS</b>
You will learn: <ul style="list-style-type: none"><li>• The connection between DB2 and CICS.</li><li>• RCT and its parameters.</li><li>• Coding and debugging issues.</li><li>• The CICS attachment facility and how its is controlled.</li><li>• Design and production considerations.</li><li>• How to debug CICS/DB2 programs.</li><li>• Thread considerations.</li><li>• Indoubt Urs.</li></ul>
<b>Chapter 13: Recovery/Restart</b>
You will learn: <ul style="list-style-type: none"><li>• Recovery/restart and its affect on the application development.</li><li>• CICS recovery/restart features.</li><li>• DB2 recovery/restart features (optional).</li><li>• Forward and backward recovery.'</li><li>• How to create a protected resource.</li></ul>
<b>Chapter 14: EDF: Execute Diagnostic Facility</b>
You will learn: <ul style="list-style-type: none"><li>• How to debug CICS programs with CEDF.</li><li>• How to check the EIB before the transaction starts.</li><li>• Breaking on CICS statements.</li><li>• Displaying the contents of memory.</li><li>• The benefits and shortcomings of CEDF.</li></ul>

**Chapter 15: CICS Programming Considerations**

You will learn:

- CICS factors that affect performance.
- Problems with intrapartition TD queues.
- Storage controls and protection under CICS.

**Chapter 16: SDT: Shared Data Table**

You will learn:

- How to create, use and delete the sharing of tables.
- The VSAM share option.
- Passing functions to other CICS regions.
- How to work with cross memory services.

**Chapter 17: CICS New Features**

You will learn:

- New features of CICS.
- Transaction isolation.
- New and removed options of the CICS ASSIGN statement.
- Issues relating to Y2K.
- External CICS interface.