

# CSP Application Development

CDT660

The Cross System Product (CSP) has been identified as the basis for application generation within IBM's System Application Architecture (SAA). CSP can be used to generate applications that are portable to any of these environments: CICS, MVS, VM, PC-DOS, AS400, OS/2.

---

## Audience

- Managers
- System Designers
- Application Programmers

## Prerequisites

- Familiarity with Structured Query Language (SQL) and procedural programming fundamentals.
- Understanding of large system data management concepts such as concurrency control (locking) and data integrity (logical units of work, dynamic backout, update commitment) is recommended but not required.

## Learning Objectives

- Manipulate data stored in DB2, DB2/VM and DB2/2 tables
- Interact with a terminal user through CSP maps
- Execute correctly and efficiently in a CICS pseudoconversational environment
- Use the SQLEXEC interface to incorporate SQL statements coded by the programmer outside CSP
- Invoke the CSP application by way of the DXFR facility

## Teaching Methods

- Hands-on instruction

## Course Length

- Three Days

---

## Course Outline

PC2

- CSP's place within the Systems Application Architecture
- Defining CSP records for use with DB2 and DB2/VM and DB2/2 tables
- Defining CSP maps; using the CSP CONVERSE process option
- CSP processes that operate upon relational data bases
- Browsing and updating relational data in a concurrent processing environment
- The significance of pseudoconversational processing in the relational data base environment
- When and how to incorporate your own SQL statements in a CSP application