CICS for AS/400

The strength of CICS - the cost-effectiveness of AS/400

Space for CICS family motif

The cost-effective solution - CICS/400

. . . gives distributed computing	CICS is, and always has been, an industry leader. It has become a true open systems enabler, spanning platforms of all sizes and architectures. Its powerful communications features dissolve barriers between applications, data and users on different systems.
. . . means client/server	CICS/400 provides cost-effective client/server technology to support direct connection of workstations, not only running application front-ends with graphical user interfaces, but also sharing resources easily across servers.
. . . enables right-sizing	CICS/400 ensures that your existing CICS skills and applications can easily be migrated to the cost-effective and easy-to-use AS/400.
. . . gives you business solutions	You can mix CICS applications and existing AS/400 packages to give you access to a vast range of business solutions.

CICS/400

The AS/400 computer system′s ease-of-use and cost-effectiveness are due to the integration of important services into the OS/400 operating system. CICS/400 is designed in a similar way to this software and, by exploiting the integrated services, is able to offer a very low cost per transaction.

Like CICS and other important software, DB2/400 is also integrated in the AS/400, allowing complete portability of applications, and full interoperability with other systems. CICS/400 allows you to integrate your AS/400s with your other computers as part of an enterprise-wide solution.

When you invest in CICS you invest in the future.

CICS/400 gives distributed computing

CICS is a family of programming products that enables your business to exploit applications and data on many different hardware and software platforms. It provides an easy route to open systems with the portability of the CICS application programming interface and easy access to programs and data on other systems through CICS intersystems communications.

CICS is the most widely used transaction management system and is used by most of the world′s top companies. CICS supplies transaction integrity to business data through a set of services that improves your programmer and end-user productivity.

Application programmers need not be concerned with the location of resources - CICS tables define resources, and CICS handles the communications to remote systems if necessary. Relocation of applications can be accomplished through a single table update, making application development and management simple.

No matter what the size of your enterprise, and whatever the underlying technology, CICS can help you create integrated business solutions that span your enterprise and reach out to your customers, suppliers and business partners, wherever they may be.

Client/server with CICS/400

CICS on AS/400 provides a strong client/server platform. It can act either as front-end to a mainframe, or serve LAN-connected CICS client workstations.

CICS clients make provision for a workstation to contain varying amounts of function, from simply providing a GUI front-end to an AS/400 application, to having the client run the application and use the AS/400 only as a data server.

An AS/400 with CICS/400 allows users to run applications on any connected CICS system as if they were running on the local AS/400. This means that resources and data can be close to the users, allowing them to process as the business requires, with seamless access to remote data servers when required.

Rightsizing with CICS/400

CICS/400 allows you to migrate or modernize your host-based applications to the cost-effective AS/400 platform to take advantage of high availability, ease of use, and lower cost.

CICS COBOL command level applications can be easily migrated, with some modifications. Migration is even simpler using the cooperative software that IBM offers, IBS/MIGRATOR.

Data integrity is provided by the AS/400 security and database facilities, CICS/400 adding the emulation of VSAM file control.

With the announcement of DB2/400 building on improvements to the AS/400 database, migration of host CICS-DB2 applications will become easy.

CICS/400 reduces the risk in migration: your applications will work as before, with full functionality, no disruption to end-users, and minimum application redevelopment costs.

Business solutions with CICS/400

The flourishing industry that has grown around CICS provides 1000's of applications and CICS products from IBM and from 2000 independent software and systems suppliers.

IBM is working to help these suppliers provide their solutions on the AS/400. If there is a host-based CICS application that meets your requirements, ask the suppliers if they can migrate it to CICS/400: you may find that they already anticipated your need.

Enterprises using CICS have access to a unique development resource of over 300,000 CICS application programmers around the world and, in addition, IBM offers a comprehensive range of CICS software tools, services and experience to help customers design, implement, run and build CICS systems.

Space for diagram illustrating CICS connectivity

What you need to run CICS/400

Hardware requirements	CICS/400 is designed to run on all models of the AS/400 system
Operating system	CICS/400 will run under the Operating System/400 V2 R2, V2 R3, and V3 R1
Language requirements	Currently, languages supported are: • IBM COBOL/400 • IBM Integrated Language Environment C/400

What's new in CICS/400 V3 R1

- Support for modern client/server computing through the direct connection of workstations. IBM has made a statement of direction that it will provide CICS/400 clients on OS/2, DOS, Windows and Macintosh, containing External Presentation Interface (EPI) for adding GUI front-ends to existing character-based applications, and External Call Interface (ECI) for communication between clients and the AS/400 server.
- Support for applications written in the C programming language
- Even greater integrity for multiple database updates across systems, with two-phase-commit technology

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