IBM CICS for VSE/ESA Version 2

CICS and VSE - the enduring virtues

Space for CICS family motif.

CICS for VSE/ESA means. . .

constancy
The durable and dependable virtues of CICS for VSE that made version 1 vitally important to many top businesses have been developed and extended in version 2. CICS for VSE/ESA provides even better value and still higher levels of service and security.

continuity
Beyond the latest enhancements in Version 2.3, CICS for VSE/ESA customers can look forward to benefits and features to match those of the flagship CICS for MVS/ESA. CICS for VSE/ESA will be adopting the same software base as the CICS for MVS/ESA product.

confidence
CICS for VSE/ESA has a dynamic and exciting future as a key member of the fast-growing family of CICS products that carry the same application server capabilities across many different platforms. CICS for VSE/ESA is poised to stride into the future.

CICS for VSE/ESA means . . .

Constancy

Users of Version 1 have always enjoyed the benefits of ease of installation, ease of use, remarkable transaction processing performance and extensive terminal and communications support.

But CICS has always been more than just a transaction processor: it is an application server family that embraces new technologies, unites different systems and scales effortlessly to accommodate as many users as you need.

CICS Application Server represents all the values that have made CICS vitally important to so many customers. Version 2 of CICS for VSE/ESA has reinforced and developed the benefits of Version 1 to underline the application server qualities:

. . . it is *reassuring:*
Version 2 customers enjoy even greater availability through the extended recovery facility (XRF) which minimizes the effects of planned and unplanned system outages.

. . . it is *far-reaching:*
CICS for VSE/ESA connectivity includes advanced program-to-program communications (APPC) support for workstations products, including CICS for OS/2. Both APPC capability and dynamic transaction routing (DTR) allow you to distribute your workload, putting data and processing where they best meet your needs.

. . . it is *empowering:*
Client/server operations become much easier with the distributed program link (DPL) function. Now requests can be made - in both directions - between server programs running on CICS for VSE/ESA and all other CICS platforms. The ability to separate business logic from presentation logic means that you can run your CICS for VSE/ESA applications from workstations, giving them GUI front ends for still greater productivity. Now your applications become even more valuable as they open the way into the client/server world.

. . . it is *all-embracing:*
System growth is natural and straightforward with features such as data tables (data in memory, improving response and throughput), relief from virtual storage constraint (VSCR), and support for VS COBOL II and Language Environment for VSE/ESA (LE). Application programmers can be more productive, because now they can write programs in standard, powerful and easy-to-use VS COBOL II, and also take advantage of the much increased virtual storage availability.

Continuity

The business world is dynamic and fast-moving, and to compete successfully, modern enterprises depend on the power of information systems. CICS has always played an important part in business data processing and CICS for VSE/ESA customers have been able to exploit the application server abilities of CICS easily and with economy.

Just as the world of business never stands still, so CICS is always evolving to keep ahead of the demands on it. In future, CICS for VSE/ESA will be adopting much of the capability of CICS for MVS/ESA so that VSE customers have the potential for gaining even more advantages from CICS.

CICS for VSE/ESA customers are used to value for money, and there is even greater value and price performance in prospect. Some of the possibilities in the future are:

- Even higher availability and data integrity through exploitation of storage protection facilities.
- Improved performance through the use of shared data tables to give faster access to common data shared between different CICS regions.
- Continuous operation potential through improvements to Resource Definition On-line (RDO).
- Faster return to work for users after unplanned outages.
- . . . and a host of other enhancements.

Version 2.3 of CICS for VSE/ESA will enable VSE customers to take advantage of the new capabilities as soon as they become available, and should be seen as the natural migration platform.

Version 2.3 is a co-existence release which will have long-term support. It will be the last release supporting non-ESA systems and applications still making use of macro level services.

To make migration easier from macro level services to the highly productive command level interface (CLI), Version 2.3 provides additional CICS API and SPI commands.

More affordable COBOL and PL/I compilers can be used, with support for IBM Language Environment for VSE/ESA Version 2.

In addition, Version 2.3 provides a utility that extracts security data from CICS control blocks and makes it available for further processing and analysis. In a future version of CICS for VSE/ESA where CICS internal security is not provided this data can be used to establish a security environment, to be managed by an External Security Manager (ESM).

Confidence

CICS for VSE/ESA customers are accustomed to the traditional virtues of CICS on the VSE platform: reliability, ease of use and cost effectiveness, to name but a few.

And CICS for VSE/ESA has always been well-supported by business applications from IBM and third party software vendors, and the range continues to increase. As CICS for VSE converges with CICS for MVS/ESA, even more applications will become available, as packages that can exploit the new functions are ported to the VSE platform.

You can depend on all the CICS virtues that have made CICS respected worldwide. You can depend on CICS in the future delivering even more value and function to keep you and your business on the competitive edge. And you can depend on CICS and VSE together to sustain your business into the next century.

Space for CICS for VSE/ESA connectivity diagram

Highlights of Version 2 of CICS for VSE/ESA

- Virtual storage constraint relief, with partitions extending beyond 16MB
- Extended recovery facility (XRF)
- Dynamic transaction routing (DTR)
- Support for APPC LU6.2 communications protocol
- Distributed program link (DPL) allowing links to remote CICS regions
- Support for VS COBOL II
- Predefined CICS partition in VSE/ESA
- Improved performance with the data tables data-in-memory facility
- National language support (NLS)
- Dump analyzer program and other utilities for problem determination
- Enhancements to the report controller and file control
- Greater performance and flexibility from task-related and global user exits
- Support for Language Environment, allowing more affordable compilers
- Additional API and SPI commands for macro level services not supported in Version 2
- CICSPlex System Manager/ESA V1R1.1, running on MVS/ESA, provides remote systems management for CICS for VSE/ESA V2R2 and later

Information for decision makers

Ordering information	CICS/VSE V2.3 Program number 5686-026
Helpful guide	CICS/VSE V2.3 Release Guide (GC33-0700)
Complementary products	• DATABASE 2 for VSE & VM (SQL/DS) (5688-103) • Language Environment for VSE/ESA (5686-067) • COBOL for LE for VSE/ESA (5686-068) • PL/I for LE for VSE/ESA (5686-069) • MQSeries for VSE/ESA (5758-SM1 in US, 5787-ECX non-US)

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