

Product description

With its unsurpassed availability, integrity, security, power and reliability, S/390 is unlike other servers in its ability to manage sensitive data and applications. A good reason for keeping your financial applications running under CICS or for returning them to CICS.



integrate standard banking exchange protocols into your CICS transactions.



- Payment authorization servers
- EFTPOS



- Financial applications / CICS : ATM, EFTPOS, authorization server.
- VIRCSA manages RCB, PNCSA, PNO, CB2A, CBSA, CBPR, ISO8583 protocols and cryptographic boxes.

A pragmatic approach

VIRTEL™ has been running mission-critical applications since 1988. More than 300 sites have tested and proved its robustness, and millions of transactions are handled by **VIRTEL™** each day.

VIRKIX is designed to **prolong the life** of financial applications under CICS where support for the underlying network layers is no longer guaranteed.

These are some of the key features of Authorization Center Server access (CSA) via **VIRTEL™**:

- No middleware (intermediate server).
- Functions accessible by a simple CALL from your CICS application programs.
- IP connections managed by CICS (BNT V7, RSB...).

Benefits

VIRCSA simplifies your architecture by allowing Payment Authorization Client and Server functions to be integrated into your CICS transactions.

Implementing **VIRCSA** provides you with:

- The **performance** (assembler, VTAM, and C), **reliability, availability, and integrity** of **S/390**
- Transparent migration from X25 to IP: your applications using **VIRCSA, VIRSTI or VIRE115** use the same **VIRKIX** components to manage X25 via **VIRTEL**, or IP directly.
- Connection via **VIRTEL™** allows use of **VIRTEL's** HTTP server, and provides access to terminals and servers on the X25 or IP network.

- z/OS or OS/390 MVS
- CICS

Technical information

Applicable applications:

- All **CICS transactions** which guarantee a financial transaction.
- Your current and future e-business applications can easily incorporate the functions provided by **VIRCSA**.

Small programming interface: Session- or presentation-level: two functions in asynchronous mode, and one function in synchronous mode.

Dictionary-based management allows easy introduction of new message formats.

The application program exchanges request/response messages with **VIRCSA** via one of two types of interface:

- **session-level** interface: **VIRCSA** does not alter the message content; messages are formatted by the user.
- **presentation-level** interface: messages are exchanged in an extended format, **VIRCSA** manages presentation-level conversion between the user and the session service.

Conversion between **application format** and **ISO8583 format** is controlled by **field dictionary** and **message format** files.

Presentation-level conversion functions are accessible from both CICS and batch programs.

Requester mode offers two types of interface: **asynchronous** where the request and the response are processed by two independent transactions, and **synchronous** where the whole exchange is performed by a single function call.

Multiple connections to the same remote node are grouped into **pools**, whose characteristics are defined in the configuration. **VIRCSA** distributes requests among the connections in the pool. The user only needs to know the name of the pool.