

zPL3035 - IBM CICS Transaction Server for z/VSE update

Ingolf Salm
z/VSE Lead Architect
IBM Germany

My blog: <https://www.ibm.com/developerworks/mydeveloperworks/blogs/vse/?lang=en>



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CICS TS for VSE History

- CICS TS for VSE/ESA 1.1.0 - released June 1999
 - VSE ported up to 100 OS/390 services
 - New CICS TS port from OS/390
 - Released with VSE/ESA 2.4

- Next major CICS TS update - September 2000
 - CICS TS for VSE/ESA 1.1.1
 - Provides CICS Web Support (CWS), 3270 Bridge, REXX for CICS, Subsystem Storage Protection (SSP), ...
 - Released with VSE/ESA 2.5

- CICS Explorer monitoring support - released June 2012

- Thanks to WAVV, GSE, zUniversity and customer requirements

We now have a GA announcement for a new CICS TS version !



z/VSE Statement of Direction (SOD) in z/VSE 5.2 Announcement

- IBM intends to provide
 - new capability in a future release of IBM CICS Transaction Server for z/VSE, to provide:
 - (i) Updates to CICS resources for CICS Explorer, and
 - (ii) Channels and Containers to enable the transfer of large amounts of data between CICS applications.

- IBM intends to rename
 - the product z/VSE Central Functions to z/VSE in a new z/VSE version.

- z/VSE V5.2 will be the last release that supports IBM System z9. Future releases of z/VSE will support IBM System z10 and higher.

- Stabilization of support and discontinued functions:
 - CICS DDM: Support for CICS Distributed Data Management (DDM) is stabilized in CICS TS for VSE/ESA V1.1.1.
In a future release of CICS TS for z/VSE, IBM intends to discontinue support for CICS DDM.

All statements regarding IBM's plans, directions, and intent are subject to change or withdrawal without notice.



z/VSE 6.1 GA Announcement

- Preview: May 11, 2015, GA ann.: 10/05/2015, planned for GA 11/27/2015

- Hardware support
 - Architectural Level Set to IBM System z10 or later
 - IBM z13 support
 - Configurable Crypto Express5S
 - More than 16 cypto domain support
 - FICON Express16S for ECKD, channel to channel or FCP-attached SCSI
 - IBM System Storage options
 - IBM System Storage TS7700 Virtualization Engine Release 3.3
 - IBM System Storage DS8870 Release 7.5 (ECKD and FCP-attached SCSI disks)
 - IBM FlashSystem V900 for use with FCP-attached SCSI disks.



z/VSE 6.1 GA Announcement ...

- New CICS version: CICS TS for z/VSE 2.1 - fulfills Statement of Direction (SOD)
- Networking enhancements
 - IPv6/VSE 1.2 – new release
 - TCP/IP for z/VSE 2.1 – new version
- Connectors
 - MQ Client Trigger Monitor
- z/VSE 6.1 requires an initial installation, Fast Service Upgrade (FSU) from z/VSE V5 not supported
- z/VSE 6.1 will be delivered in English only
- Statement of direction:
IBM plans to deliver future upgrades of z/VSE on DVD or electronically only.

All statements regarding IBM's plans, directions, and intent are subject to change or withdrawal without notice.



CICS TS for z/VSE 2.1

- A new CICS TS version for z/VSE - The first major CICS TS update since 1999
 - GA Announcement 10/05/2015, GA 11/27/2015
 - Based on CICS TS for VSE/ESA 1.1.1
 - A complete new build of CICS TS
 - Fully compatible with CICS TS for VSE/ESA 1.1.1
 - No recompile or re-link of CICS applications required
 - New APIs described in CICS Enhancements Guide
 - Migration considerations described in migration white paper available at z/VSE 6.1 GA

- Only available for z/VSE 6.1 and later, replaces CICS TS for VSE/ESA 1.1.1
 - CICS TS for VSE/ESA 1.1.1 still delivered with z/VSE Version 5



CICS TS for z/VSE 2.1 - Enhancements

- CICS Explorer update capability
- Channel & Container support - Lifts the 32K Commarea limitation
- CICS requirements
 - More current cypher suites (AES128/256) to CICS Web Support
 - Support for EXEC CICS INQUIRE SYSTEM OSLEVEL
 - Millisecond support in EXEC CICS ASKTIME
 - Millisecond option to EXEC CICS FORMATTIME
- CICS DDM (CICS Distributed Data Management) not supported



Channels and Containers

- z/VSE ported channel and container APIs from CICS TS for z/OS 3.1

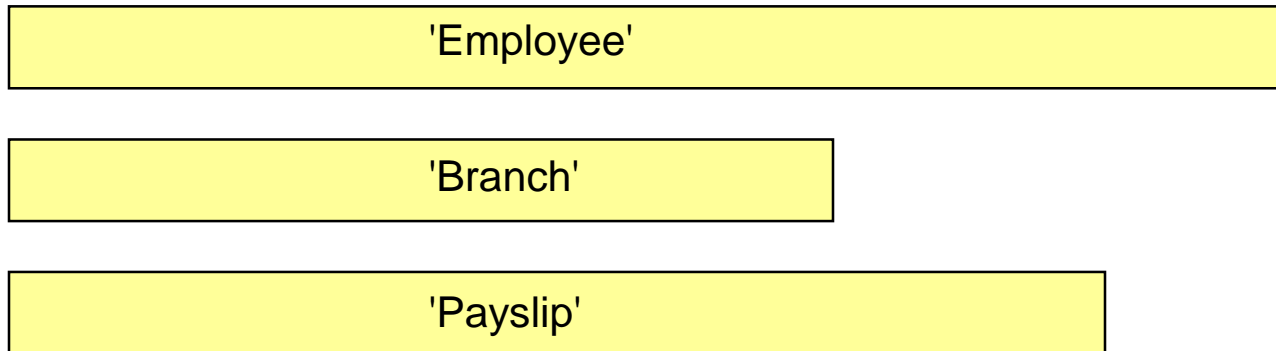
- Channels and containers lift the 32K Commarea limitation
 - Applicable for both LINK and XCTL, Distributed Program Link (DPL)
 - Affects the exchange of data between CICS tasks
 - Local and transaction routing
 - START with data

- Language support is provided for C, COBOL, HLASM, and PL/I.

- Channels and Containers limitations
 - In 31 bit virtual storage only
 - No support for
 - External CICS Interface (EXCI), External Call Interface (ECI), CICS Web Support (CWS)
 - Business Transaction Services (BTS)



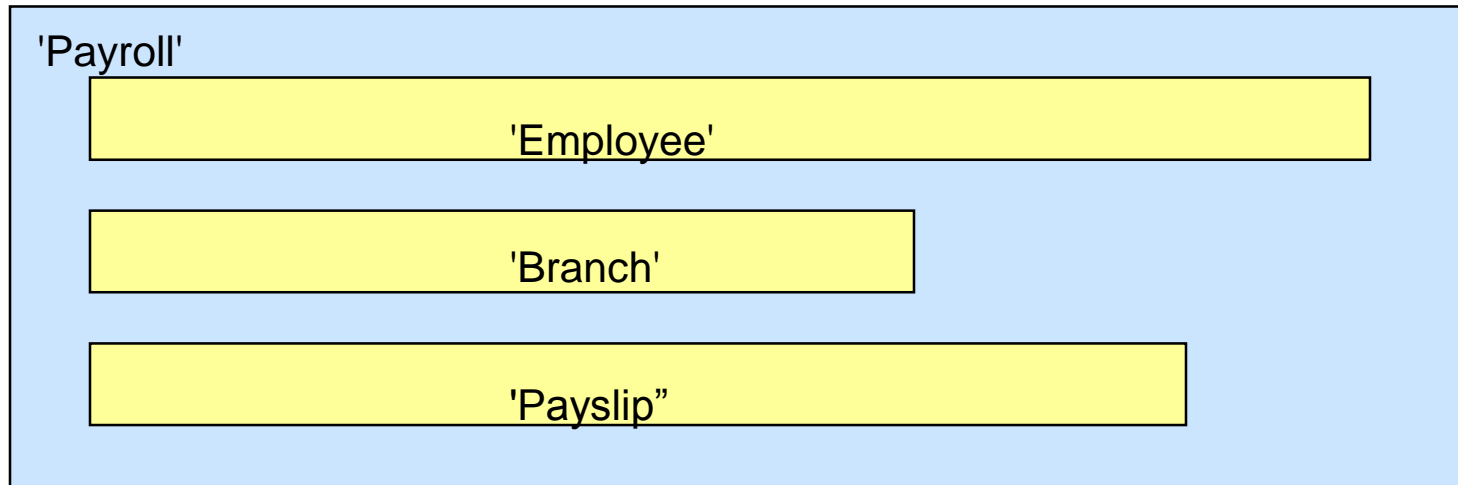
Containers



- To solve the 32K Commarea problem a new construct will be provided
- Named block of data designed for passing information between programs
 - Like named COMMAREAs
- CONTAINER API
 - Created using (EXEC CICS) PUT CONTAINER, defines the size of the container
 - Read using (EXEC CICS) GET CONTAINER
 - Delete using (EXEC CICS) DELETE CONTAINER, to free storage, if no longer required
- No CICS enforced size limitation
 - Containers are stored within the CICS EDSA (31 bit partition virtual storage)



Channels



- A group of Containers
 - No limit on the number of Containers in a Channel
- A Channel is a sort of program interface
 - Passed on LINK, XCTL, pseudoconversational RETURN, and START commands
- Non-persistent
 - Non-recoverable resource similar to commareas



A Simple Example

PROGA

```

PUT CONTAINER('Employee') CHANNEL('Payroll') FROM(emp-data)
PUT CONTAINER('Branch') CHANNEL('Payroll') FROM(branch-data)

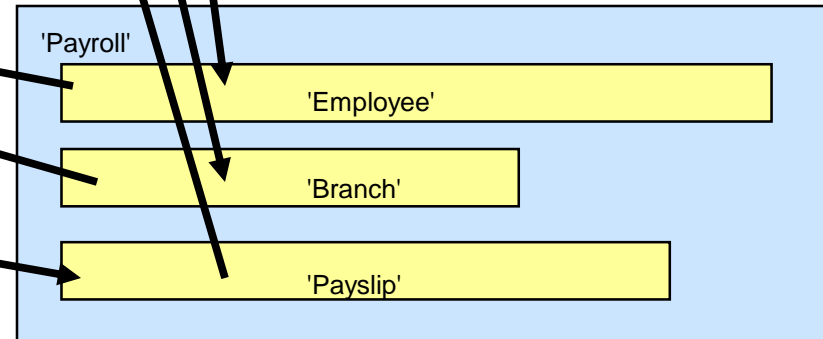
LINK PROGRAM('PROGB') CHANNEL('Payroll')

GET CONTAINER('Payslip') CHANNEL('Payroll') INTO(pay-data)
    
```

PROGB

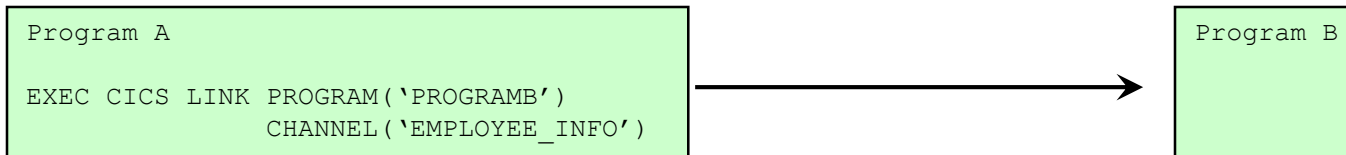
```

GET CONTAINER('Employee') INTO(emp-data)
GET CONTAINER('Branch') INTO(branch-data)
...
PUT CONTAINER('Payslip') FROM(pay-data)
    
```

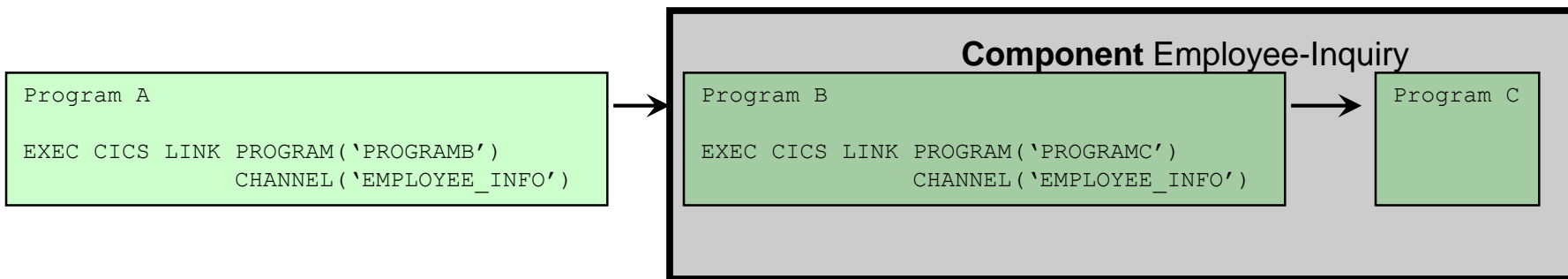


Basic Scenarios for using Channels

- One Channel / One Program

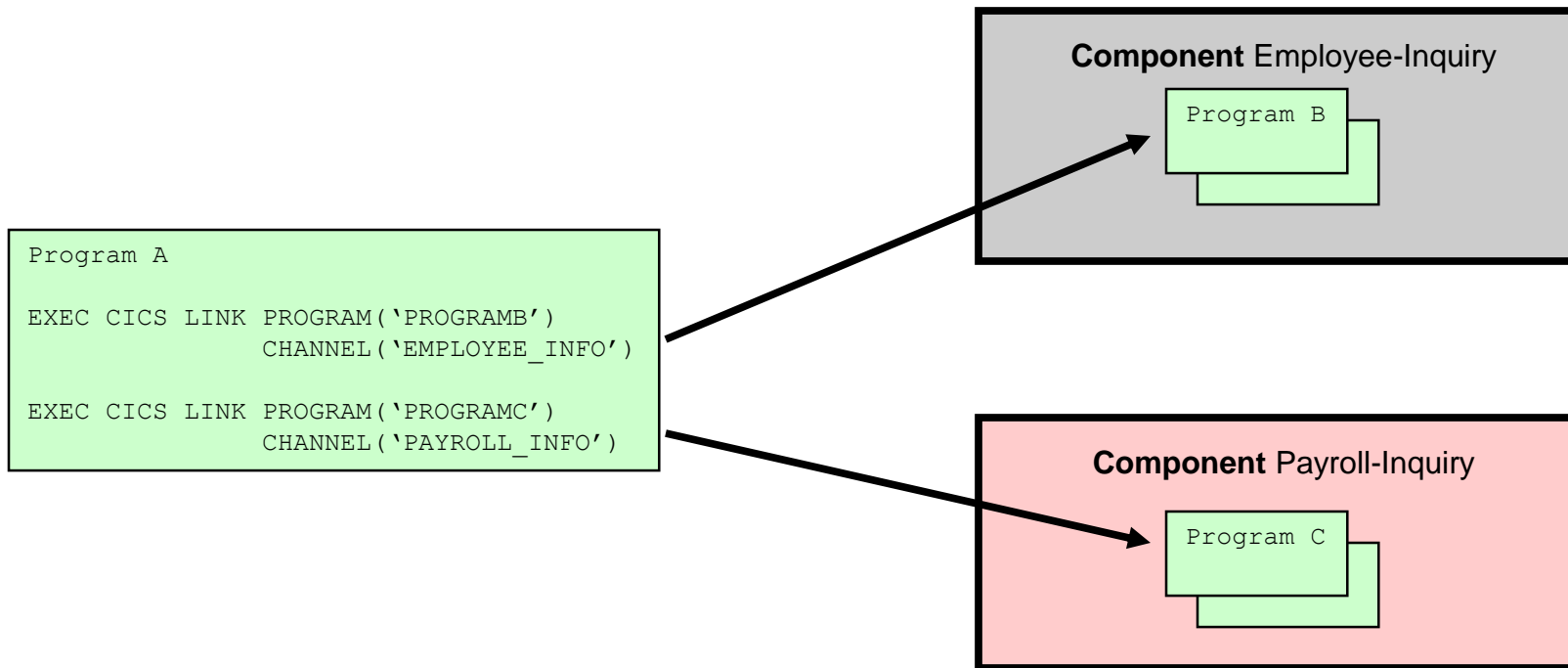


- One Channel / Multiple Programs
 - The Channel is the interface to a Component



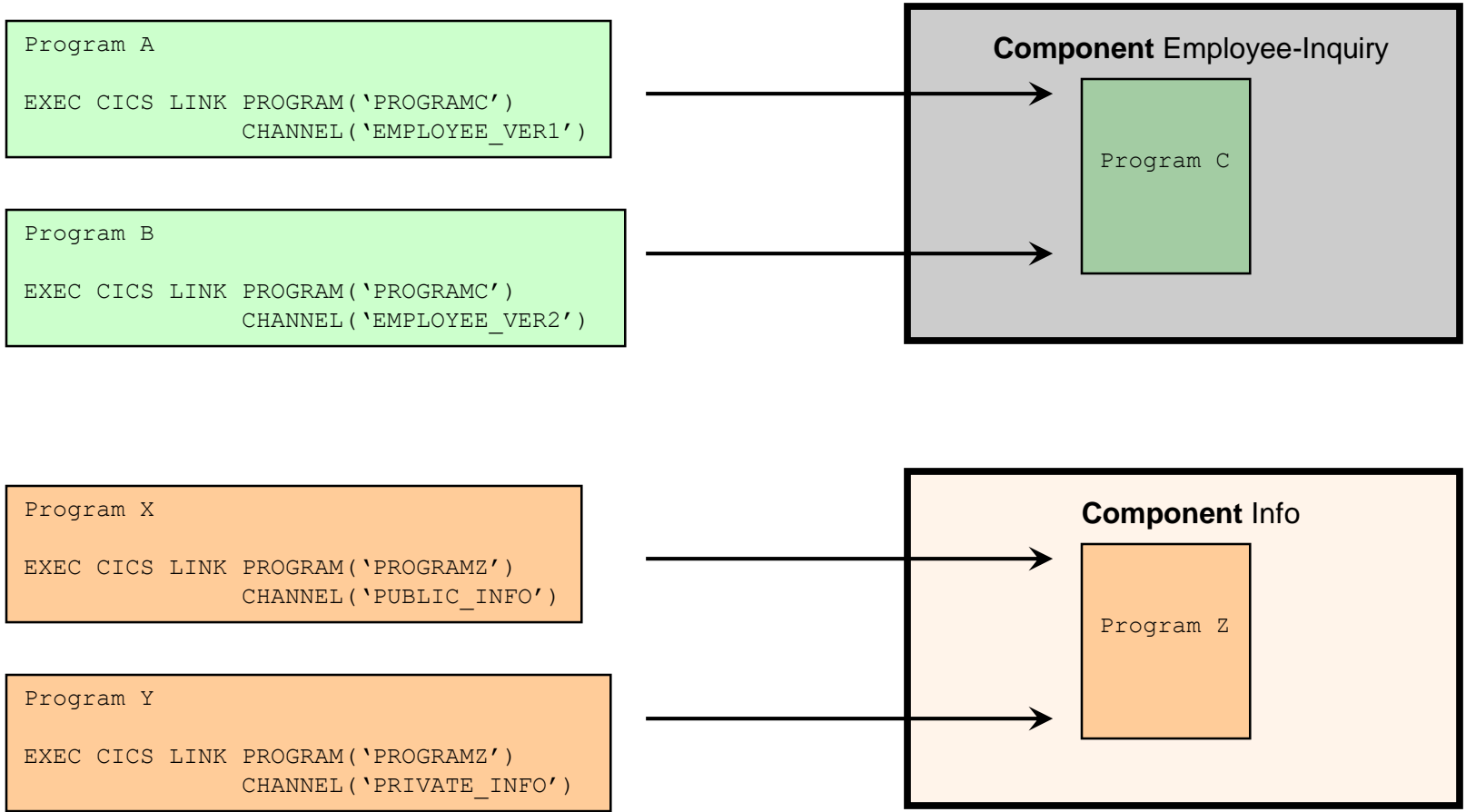
Scenario - Multiple Components

- One Program / Multiple Channels



Scenario - Loose Binding

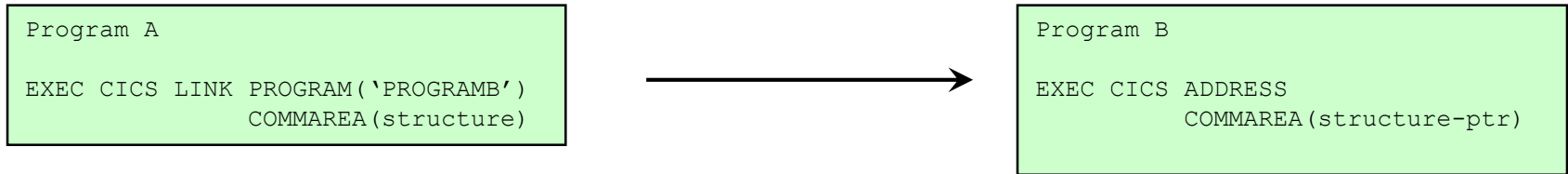
- Multiple Programs / Multiple Channels



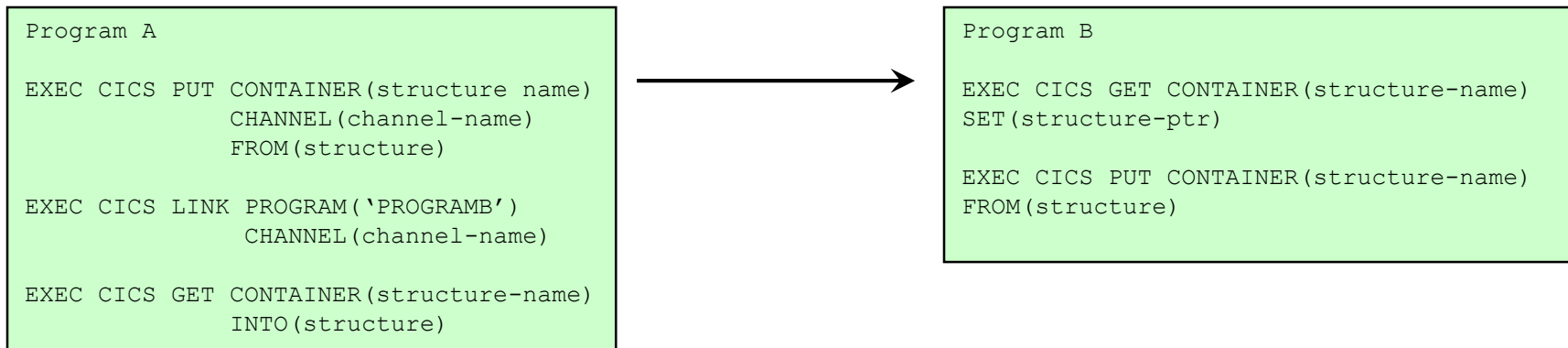
Note that CICS does not define any security mechanism to enforce who can use a Channel name.

Migration of Programs Using LINK

- Existing application with COMMAREA



- Changed application using Channels

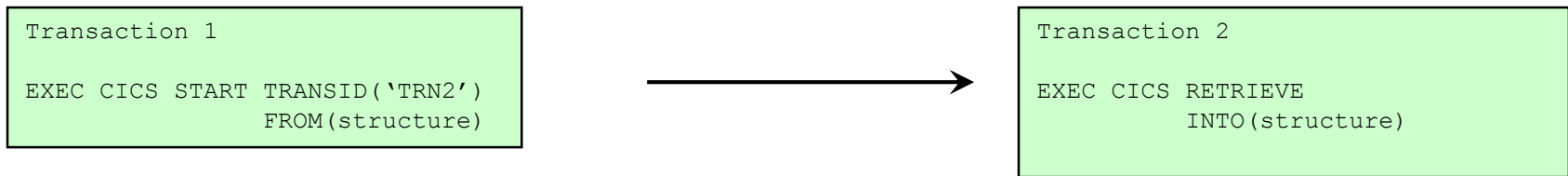


Note that, if Program B changes the Container data, it must PUT the Container back before returning, or the changes will not be visible to the caller.

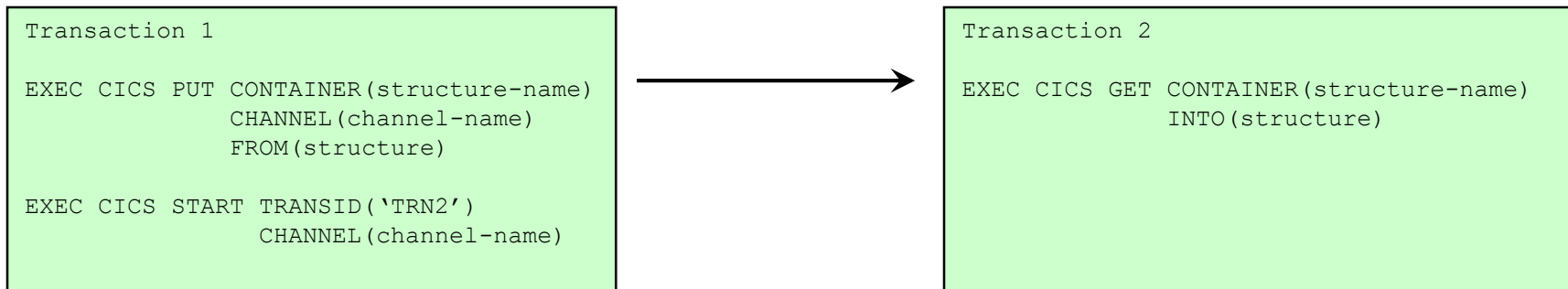


Migration of Programs Using START

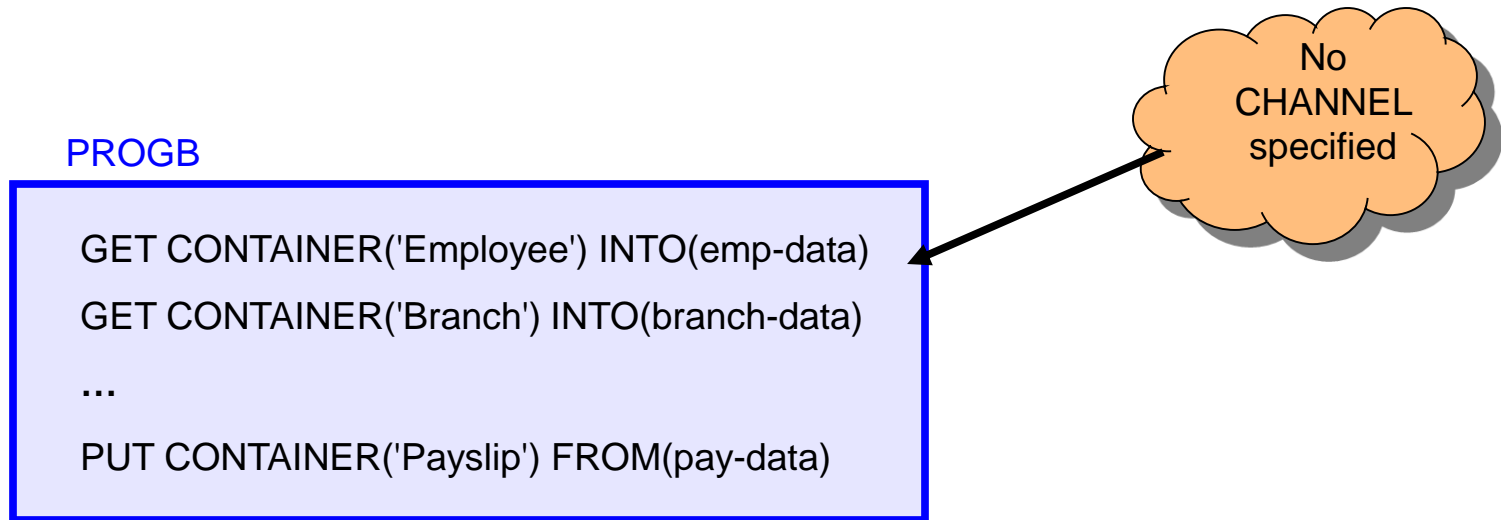
- Existing application with START data



- Changed application using Channels



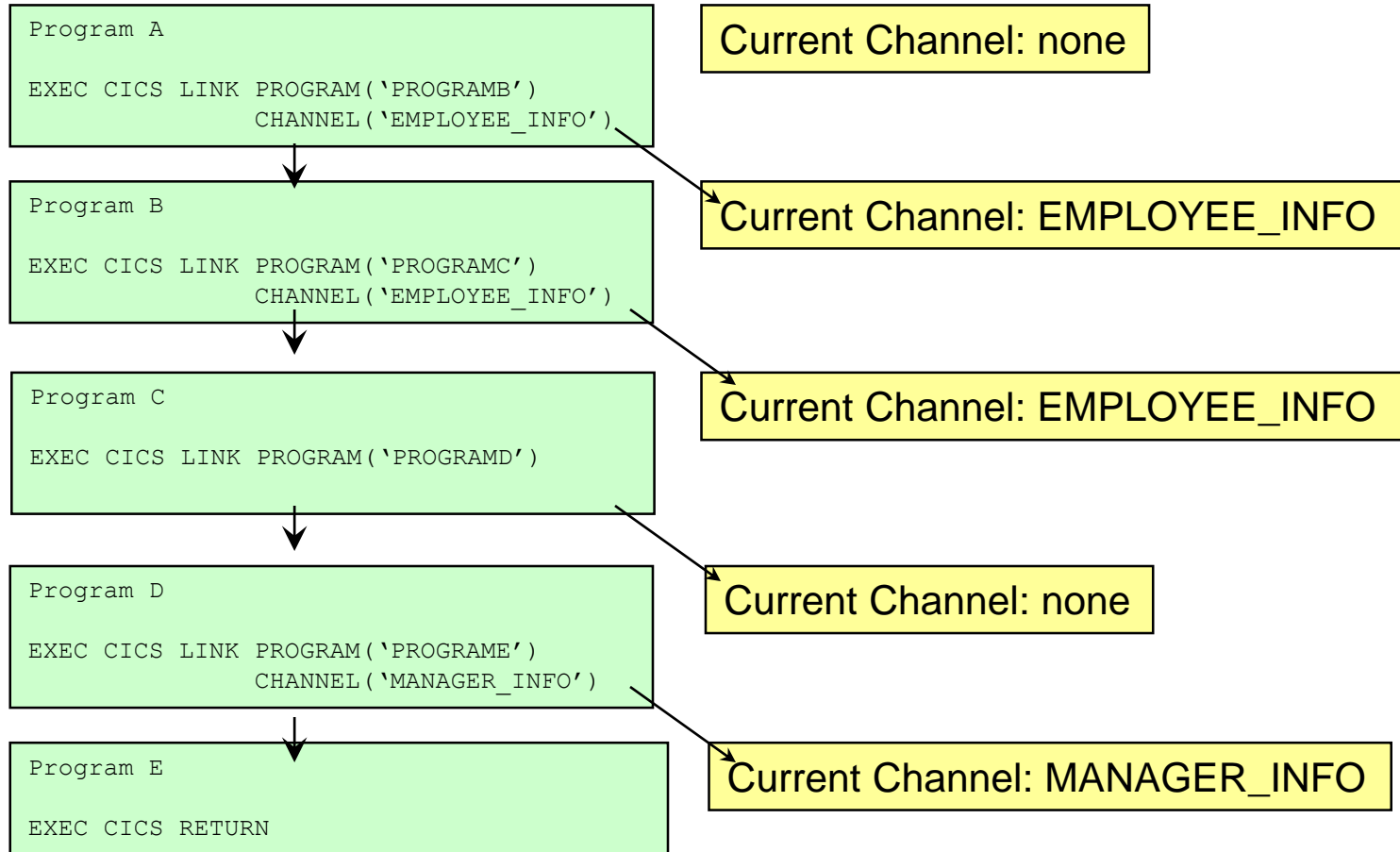
The Current Channel



- The Channel, if any, passed to the program by:
 - LINK, XCTL, START or pseudo-conversation RETURN
- Does not change during the life of the program
 - The program may create other Channels
- Default for EXEC CICS commands that do not explicitly specify a Channel name



Current Channel

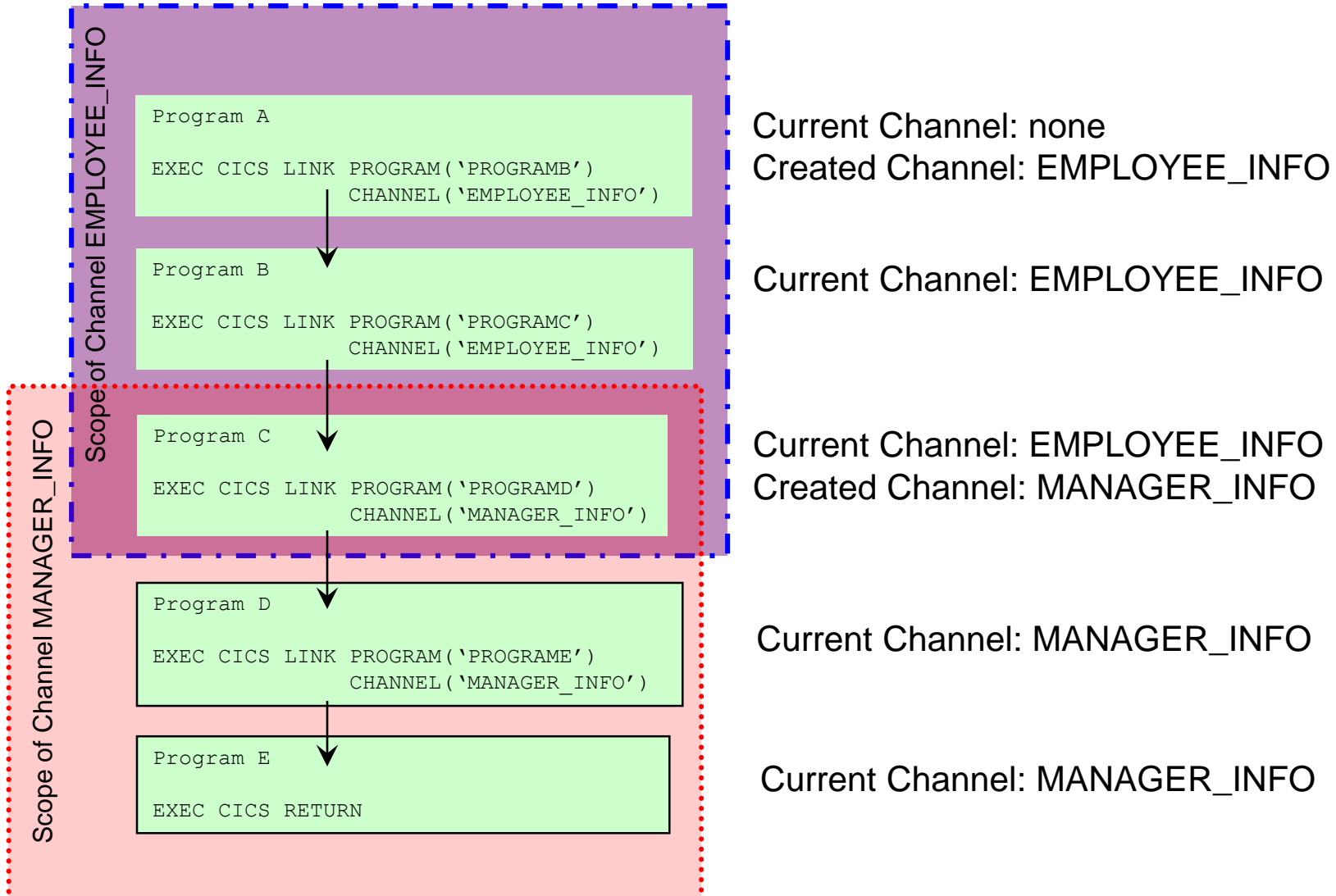


The Scope of a Channel

- A program can access
 - Its Current Channel
 - Any other Channels it creates
- When no program in the link stack can access a Channel it is deleted
 - Can occur on RETURN or XCTL
- Channels cannot be accessed by other tasks



Channel Scope



API Commands

- Container commands
 - PUT CONTAINER
 - GET CONTAINER
 - MOVE CONTAINER
 - DELETE CONTAINER

- Program transfer commands
 - LINK PROGRAM
 - XCTL PROGRAM

- Inquiry commands
 - ASSIGN CHANNEL
 - STARTBROWSE CONTAINER
 - GETNEXT CONTAINER
 - ENDBROWSE CONTAINER

- Transaction transfer commands
 - RETURN TRANSID
 - START TRANSID



Container Commands

- EXEC CICS PUT CONTAINER
 - Copies data into a container within the channel
 - Overwrites existing data if container already exists
 - Creates channel if it does not already exist

- EXEC CICS GET CONTAINER
 - Retrieve the container data into user storage

- EXEC CICS MOVE CONTAINER
 - Moves a container from one channel to another
 - Can be used to rename a container

- EXEC CICS DELETE CONTAINER
 - Deletes a container from the channel
 - Does not delete the channel, even if no containers left



EXEC CICS PUT CONTAINER

- CONTAINER (data-value)
 - The name (1-16 characters) of the container

- CHANNEL (data-value)
 - The name (1-16 characters) of the channel that owns the container.
 - Defaults to current channel.

- FROM (data-area)
 - Specifies the data area from where the data to be saved is read.

- FLENGTH (data-value)
 - Specifies the length of the data area to be saved.
 - Can be 0 to very large.
 - This parameter is added by the translator if not specified (except C).

- FROMCCSID (data-value)
 - Specifies the current Coded Character Set of the character data to be put into the container. Defaults to the CCSID of the local CICS region.

- DATATYPE
 - BIT - The data in the container cannot be converted.
 - CHAR - Character data which can be converted.



EXEC CICS GET CONTAINER

- CONTAINER (data-value)
 - The name (1-16 characters) of the container
- CHANNEL (data-value)
 - The name (1-16 characters) of the channel that owns the container.
 - Defaults to current channel.
- INTO (data-area)
 - Specifies the data area into which the retrieved data is to be placed.
- SET (ptr-ref)
 - Specifies a data area in which the address of the retrieved data is returned
- FLENGTH (data-area)
 - Specifies the length of the data area to be read.
 - Returns the length actually read.
- NODATA
 - Specifies only the length of the data in the container is to be returned. The length returned will take into account the INTOCCSID.
- INTOCCSID (data-value)
 - Specifies the current Coded Character Set into which the character data is to be converted. Defaults to the CCSID of the local CICS region.



Scenario – Simple Data Conversion

- PUT and GET can be used for data conversion
- Uses CICS or conversion tables
- Simple example of converting data to ascii

```
EXEC CICS PUT CONTAINER('temp') CHANNEL('dummy')  
        FROM(ebcdic-data)  
        CHAR
```

```
EXEC CICS GET CONTAINER('temp') CHANNEL('dummy')  
        SET(ascii-ptr) FLENGTH(ascii-len)  
        INTOCCSID(1208)
```



EXEC CICS MOVE CONTAINER

- CONTAINER (data-value)
 - The name (1-16 characters) of the container

- CHANNEL (data-value)
 - The name (1-16 characters) of the channel that owns the container.
 - Defaults to current channel.

- TOCHANNEL (data-value)
 - Specifies the name of the channel that will own the target container

- AS (data-value)
 - Specifies the name of the target container



EXEC CICS DELETE CONTAINER

- CONTAINER (data-value)
 - The name (1-16 characters) of the container

- CHANNEL (data-value)
 - The name (1-16 characters) of the channel that owns the container.
 - Defaults to current channel.

- Note: There is no command to delete a channel.
These are deleted automatically when they go out of scope.



Program Transfer Commands

- LINK PROGRAM [CHANNEL|COMMAREA]
 - Links to another program, on a local or remote system, passing the channel and container data
 - Creates the channel if it doesn't already exist

- XCTL PROGRAM [CHANNEL|COMMAREA]
 - Transfers control to the program on a local system passing the channel and container data
 - Creates the channel if it doesn't already exist



Transaction Transfer Commands

- RETURN TRANSID [CHANNEL|COMMAREA]
 - Returns control to CICS, passing the channel and container data to the next transaction id
 - Creates the channel if it doesn't already exist

- START TRANSID [CHANNEL|FROM]
 - Starts a task, on a local or remote system
 - Copies the named channel and container data and passing it to the started task
 - Creates the channel if it doesn't already exist



Inquiry commands

- ASSIGN CHANNEL(data-area)
 - Returns the name of the current channel
 - Spaces returned if no current channel

- Container browse commands
 - STARTBROWSE CONTAINER [CHANNEL(data-area)]
 - GETNEXT CONTAINER (data-area)
 - Container names returned in no particular order
 - ENDBROWSE CONTAINER



Interface Changes

- Global User Exits (GLUEs)
 - Can create and pass channels and containers to programs they call
- Task Related User Exits (TRUEs)
 - Can create and pass channels and containers to programs they call
- User Replaceable Modules (URM)
 - Can create and pass channels and containers to programs they call
 - URMs may not access contents of application channels
- Monitoring
 - New monitoring group DFHCHNL
 - Changed monitoring group DFHPROG, DFHTASK
- Statistics
 - New fields in ISC/IRC system entry, Connections and Modenames



Summary (Channels & Containers)

- Channels and Containers allow more than 32k of data to be passed between CICS applications
 - Program to program (LINK and XCTL)
 - Transaction to transaction (START and RETURN)
- Allow better structuring of application data
 - Different containers to prevent overloaded copybooks
- Minimal application changes required for exploitation
- Allow for data conversion between different code pages

- IBM Redbook “CICS Transaction Server V3R1 Channels and Containers Revealed” provides more information: <http://www.redbooks.ibm.com/abstracts/sg247227.html?Open>

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CICS Explorer

- Announced 04/03/2012, GA 06/15/2012, new enhancements in CICS TS for z/VSE 2.1

- CICS Explorer monitoring in z/VSE Version 5
 - System management framework for CICS TS
 - Consists of CICS Explorer client and a CICS TS server extension
 - CICS Explorer client
 - Read-only capabilities; Eclipse-based user interface on workstation
 - Connects to CICS TS via TCP/IP - Communication via HTTP requests
 - One CICS Explorer client for z/VSE and z/OS
 - CICS Explorer server extension
 - Delivered as PTF for CICS TS for VSE/ESA 1.1.1

- Integrated into CICS TS for z/VSE 2.1 (z/VSE 6.1)
 - CICS Explorer server extension integrated into CICS TS for z/VSE 2.1
 - Provides updates to CICS resources
 - Update and control CICS resources as you would do with transactions on your CICS terminal
 - Enable / disable CICS resources, change selected CICS definitions, ...



CICS Explorer

- CICS Explorer client supports
 - CICS TS for z/OS
 - CICS TS for VSE/ESA 1.1.1

- Provides a view of some CICS system management functions

- Displays details of CICS resources in definition views

- Administration operations are not supported

- Displays the resource attributes as of CEMT / CEDA

- Provides context and more detailed help



CICS Explorer – supported operations

- Regions
- TCP/IP services
- ISC/MRO connections
- Terminals
- Transactions
- Transaction classes
- Programs
- Tasks
- Files
- Interval control requests
- Transient data (TD) and temporary storage (TS) queues
- Document templates



CICS Explorer on the web - www.ibm.com/vse

The screenshot shows the IBM z/VSE website with the following content:

- Navigation Bar:** IBM logo, Industries & solutions, Services, Products, Support & downloads, My IBM, Search.
- Breadcrumbs:** IBM Systems > Mainframe servers > Operating systems > z/VSE >
- Section Header:** Products and components
- Product Selection:** z/VSE Components (selected), z/VSE Products. Sub-sections: z/VSE V5.1 (selected), z/VSE V4.3.
- Navigation Links:**
 - General
 - z/VSE Central Functions
 - CICS Transaction Server
 - z/VSE Connectors
 - TCP/IP
 - z/VSE VTAPE
- Product Description:** z/VSE is built on a heritage of ongoing refinement and innovation that spans more than four decades. It is designed to protect and leverage customer investments in z/VSE information assets. It brings the value of innovative IBM System z and IBM System Storage technology to z/VSE clients.
- Product Links:**
 - ↓ CICS Transaction Server 5648-054
 - ↓ CICS Explorer ← (indicated by a red arrow)
 - ↓ More Information about CICS
- Contact IBM Section:**
 - ✉ Email z/VSE
 - Find a Business Partner
 - ☎ Call IBM: 1-866-883-8901
 - Priority code: 101AS13W
- Browse z/VSE Section:**
 - About z/VSE
 - How to buy
 - News & announcements
 - Events
 - Solutions
 - Products & components ← (indicated by a red arrow)
 - Documentation
 - Service & support
 - Downloads
 - Education
 - Partners
 - FAQ
 - Contact z/VSE
- CICS Transaction Server - 5648-054 Section:**

CICS Transaction Server 1.1.1 (5648-054) is part of VSE since VSE/ESA 2.4. CICS represents the current transaction monitor for the VSE operating system.



CICS Explorer on the web ...



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CICS Explorer

The new face of CICS Transaction Server for VSE/ESA V1.1

The CICS Explorer is the new systems management framework for CICS TS. It provides read-only capabilities to display CICS resources. The CICS Explorer consists of a CICS Explorer client and a CICS TS server extension. The CICS Explorer client can be downloaded from the [CICS Explorer web page](#), and the CICS TS server extension is delivered as CICS TS PTF.

When used with CICS TS for VSE/ESA, it requires z/VSE V5.1, or later.

The CICS Explorer user guide provides some more information on the CICS Explorer installation and use.

[IBM CICS Explorer User Guide V1.2b \(PDF, 500KB\)](#)

[→ IBM CICS Explorer download](#)

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- [→ WebSphere \(integration and optimization\)](#)
- [→ Information Management \(DB2, Informix, InfoSphere\)](#)
- [→ Rational \(software and systems delivery\)](#)
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CICS Explorer on the web



CICS Explorer

Features

System requirements

What's new

Simplify CICS management with an integrated, single interface

CICS Explorer Downloads

Learn more



IBM® CICS® Explorer is a system management tool that offers a simple, integrated and intuitive way of managing one or more CICS systems. It is based on the Eclipse platform and enables you to view and manage CICS Transaction Server regions and integrates CICS tools and the visibility and control of the CICS run time and its resources.

CICS Explorer offers a lightweight yet powerful and extensible framework with a small footprint and fast start-up. It features powerful task-oriented views, context-sensitive resource editors and wizards for access to a broad range of CICS and IBM z/OS® data and control capabilities.

It also includes IBM Explorer for z/OS®—a common connection management and single sign-on component that simplifies access to z/OS-based sub-systems.

CICS Explorer features:

- **A centralized user interface makes CICS easier to manage** and boosts productivity.
- **Smart resource editors and wizards** simplify creation or editing of complex CICS resources.

Not in United States?

United States - English

Considering a purchase?

Contact IBM

Email IBM

Request a quote

Or call us at: 1-877-426-3774
Priority code: Portfolio

CICS Explorer resources

CICS showcase: Your portal to CICS information

Ecosystem: CICS Explorer (65KB)

Download: CICS Explorer

CICS Explorer Forum



CICS Explorer client installation

- Download CICS Explorer zip file from the web
- Installation on the local workstation or remote network drive
- Configure the way it connects to the CICS system
 - Connect credentials, CICS system connection, ...
 - z/VSE supports the CICS Management Client Interface (CMCI) only



CICS Explorer - CICS TS installation

- System requirements
 - CICS Explorer connects to z/VSE Version 5 only
 - Additional extended Dynamic Storage Area (EDSA) required
 - Size depends on active CICS resources
 - Good start is 50 MB (with additional PTF for z/VSE Version 5)
 - May impact partition allocation
 - TCP/IP for VSE/ESA 1.5F or IPv6/VSE 1.1 or Linux Fast Path (IPv4 only)

- Install PTFs for CICS Explorer support (included in z/VSE 5.1.1 or higher)
 - CICS Management Client Interface (CMCI)
 - CICSplex System Management (CPSM)
 - Code will be installed into PRD1.BASE
 - No additional z/VSE Librarian definitions (LIBDEFs) required



CICS Explorer - CICS TS installation ...

- CICS setup skeletons in ICCF library 59
 - CICS System Definitions (CSD)
 - Transaction security setup
 - DCT (Destination Control Table)
 - Define / initialize dataset EYUPARM (for debugging)

- Add DLBL / EXTENT / ASSGN statements for EYUPARM dataset to CICS start-up job
- Changing CICS SIT (SEC=YES, TCPIP=YES)
- Define TCPIP SERVICE
- Adjust EDSALIM, if additional DSA space required
- Define a conversion table – DFHCNV
- Install new groups using CEDA



CICS Explorer - Start CORM transaction on server

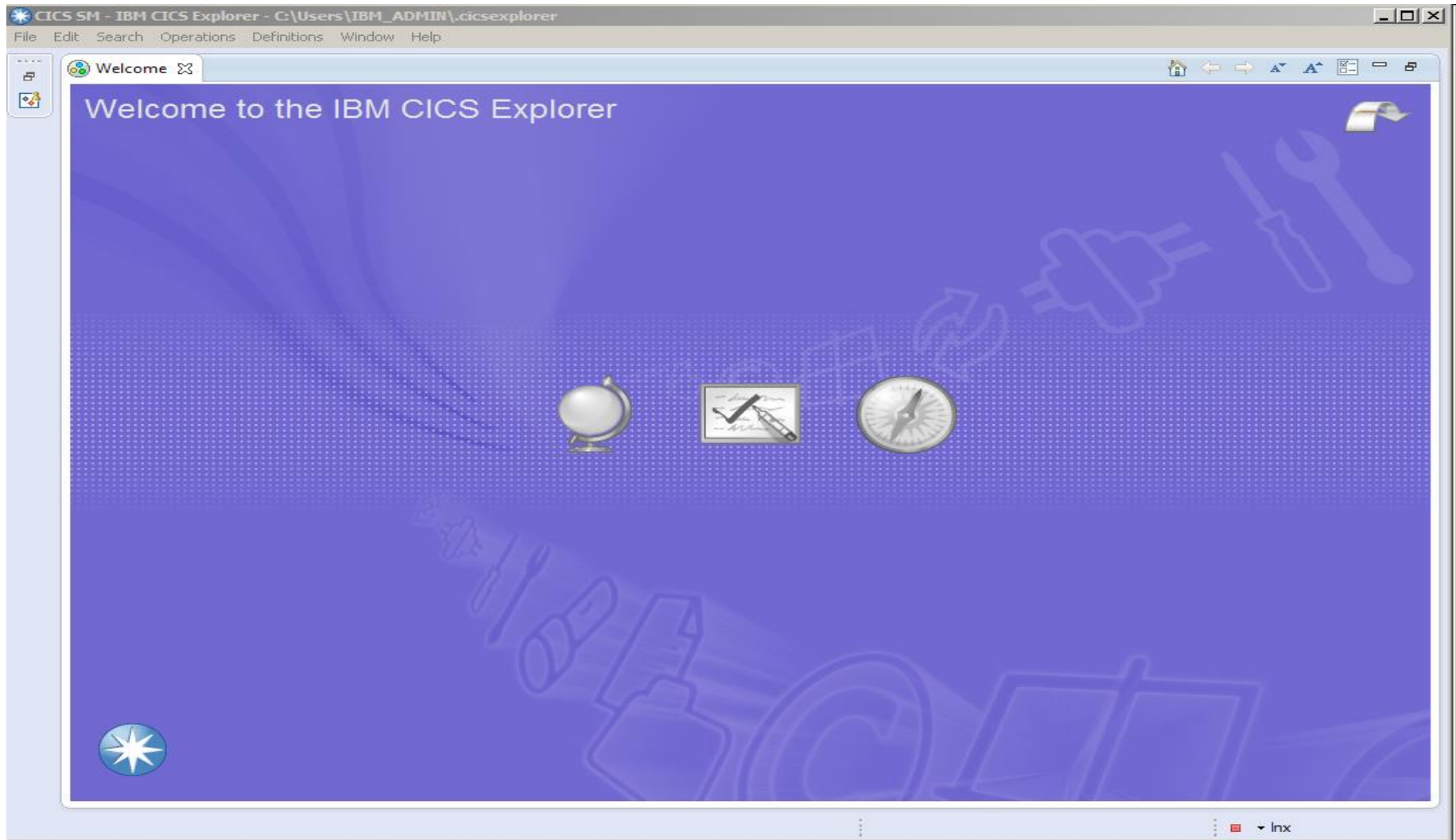
```

BOEVMSPB
File Edit View Communication Actions Window Help
SYSTEM: z/VSE z/VSE 5.1 TURBO (01) USER: SYS
VM USER ID:LNXSALM1 TIME: 15:35:14
F8 0488 DFHS00101I PRODCICS Sockets domain initialization has ended.
F8 0488 DFHWB1007 PRODCICS Initializing CICS Web environment.
F8 0487 BSD100I IPNRBSDC 01.05 F 09/12/11 18.37 032CE000 01E7
F8 0488 DFHWB1008 PRODCICS CICS Web environment initialization is complete.
F8 0488 DFHSI8430I PRODCICS About to link to PLT programs during the third
stage of initialization.
F8 0488 DFHSI8434I PRODCICS Control returned from PLT programs during the
third stage of initialization.
F8 0488 DFHSI1517 PRODCICS Control is being given to CICS.
F8 0488 DFHFC0208I PRODCICS
LSR pool 1 is being built dynamically by CICS because the following
are not defined: 'CI STPF' 'STDTRCC' 'MOVKEVI ENCTH' a delay
is possible. ← corm (transaction executed in CICS)
F8 0488 EYUNX0001I PRODCICS S...
F8 0488 EYUNX0030I PRODCICS SMSS successfully initiated from terminal A000
F8 0488 EYUXL0003I PRODCICS CPSM Version 420 SMSS startup in progress
F8 0488 EYUXL0119I PRODCICS CPSM Kernel loaded from EYU9XL02
F8 0488 EYUXL0005I PRODCICS Major Object created for KNL
F8 0488 EYUXL0005I PRODCICS Major Object created for TRC
F8 0488 EYUXL0005I PRODCICS Major Object created for MSG
F8 0488 EYUXL0005I PRODCICS Major Object created for SRV
F8 0488 EYUXL0005I PRODCICS Major Object created for CHE
F8 0488 EYUXL0005I PRODCICS Major Object created for DAT
F8 0488 EYUXL0005I PRODCICS Major Object created for QUE
F8 0488 EYUXL0005I PRODCICS Major Object created for MAS
==>

1=HLP 2=CPY 3=END 6=CNCL 7=BWD 8=FWD 9=EXPL 10=INP 11=PCUU 12=INFO
FILTER: ALL BWD MODE: REDISPLAY
MA a 28/006
  
```



CICS Explorer – welcome page



CICS Explorer – sign-on

The screenshot displays the IBM CICS Explorer application window. A 'Signon' dialog box is open, titled 'CMCI: sysa'. The dialog contains the following fields and options:

- User ID:** sysa
- Password or Passphrase:** [masked with dots]
- Save password
- Warning: Saved passwords are stored on your computer in a file that is difficult, but not impossible, for an intruder to read.
- Buttons: OK, Cancel

The background interface shows the 'Connections' tree on the left with the following structure:

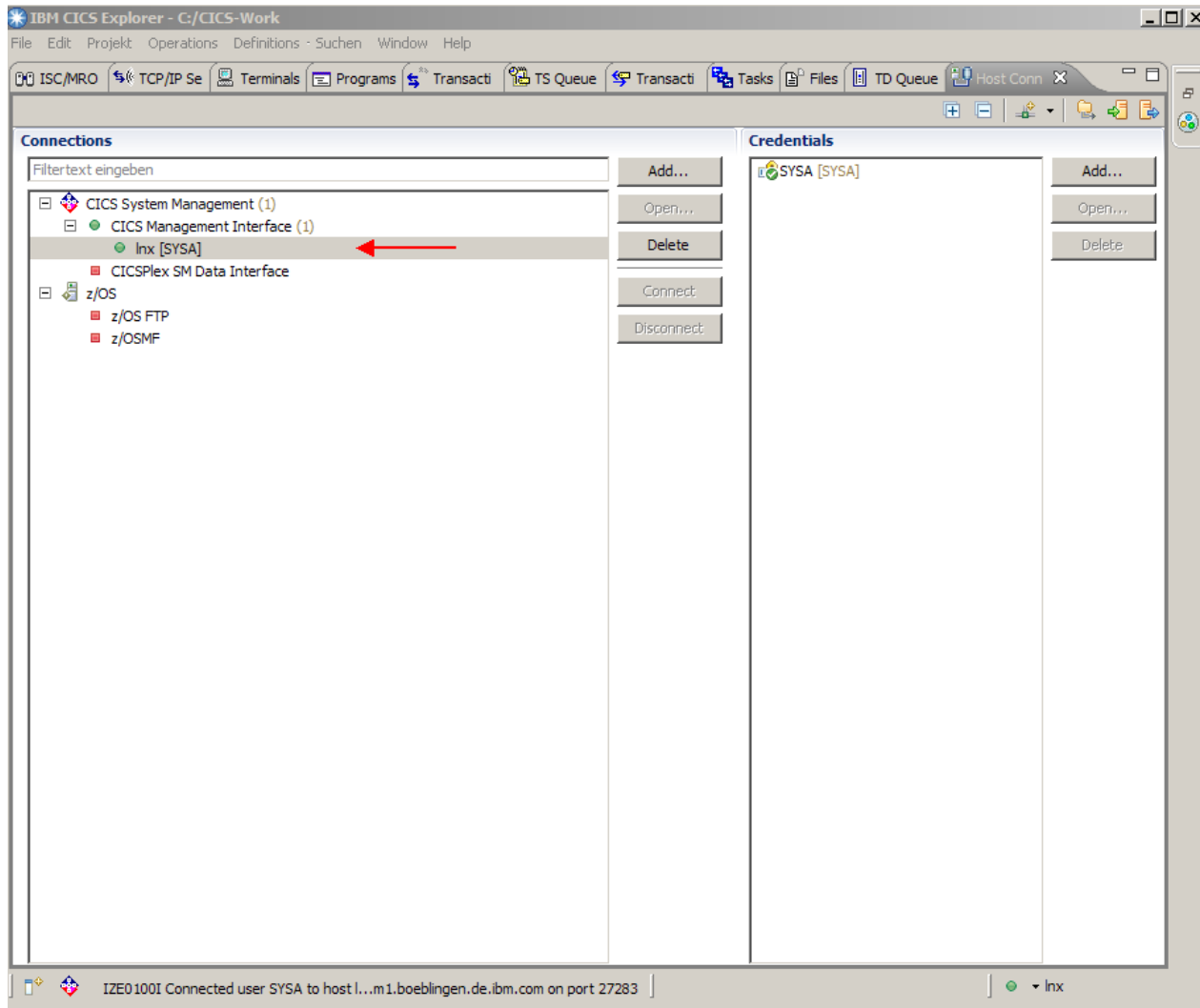
- CICS System Management (2)
 - CICSplex SM Data Interface (1)
 - CMCI (1)
 - Inx [sysa]
- z/OS
 - z/OS FTP
 - z/OSMF

The 'Credentials' panel on the right shows a list with one entry: sysa [sysa].

At the bottom of the window, the status bar indicates 'Connecting ... [Inx]' and 'IZE0102I Connecting ...'.



CICS Explorer – connected



CICS Explorer – connected ...

IBM CICS Explorer - C:/CICS-Work

File Edit Projekt Operations Definitions - Suchen Window Help

Regions x Job Name: []

CNX0211I Context: PRODCICS. Resource: CICSRCN. 1 records collected at 28.09.2012 17:52:13

Region	Job Name	MVS Syste...	Task Count	CICS Status	CICS TS L...	CICS Rele...	Total CPU	Page In C...	Page Out ...	I/O Count
PRODCICS	CICS2	N/A	4	✓ ACTIVE		V111	0000:00:0...	N/A	N/A	10144

IZE0100I Connected user SYSA to host l...m1.boeblingen.de.ibm.com on port 27283 | Inx



CICS Explorer – connected ...

IBM CICS Explorer - C:/CICS-Work

File Edit Projekt Operations Definitions Suchen Window Help

ISC/MRO Con TCP/IP Servic Terminals Programs Transactions TS Queues Transaction Cl Tasks Files TD Queues

CNX0211I Context: PRODCICS. Resource: TERMNL. 62 records collected at 28.09.2012 18:02:25

Region	Name	Network Name	Acquire Status	Service Status	ATI Status	TTI Status	Session Status	User ID	Transaction ID
PRODCICS	-AAA	TMPLATE1	RELEASED	INSERVICE	ATI	TTI	NOCREATE	CICSUSER	
PRODCICS	-AAB	TMPLATE1	RELEASED	INSERVICE	ATI	TTI	CREATE	CICSUSER	
PRODCICS	-AAC	TMPLATE1	RELEASED	OUTSERVICE	ATI	TTI	CREATE	CICSUSER	
PRODCICS	-AAD	TMPLATE1	RELEASED	OUTSERVICE	ATI	TTI	CREATE	CICSUSER	
PRODCICS	-AAE	TMPLATE1	RELEASED	OUTSERVICE	ATI	TTI	CREATE	CICSUSER	
PRODCICS	-AAF	TMPLATE1	RELEASED	OUTSERVICE	ATI	TTI	CREATE	CICSUSER	
PRODCICS	-AAG	TMPLATE1	RELEASED	OUTSERVICE	ATI	TTI	CREATE	CICSUSER	
PRODCICS	-AAH	TMPLATE1	RELEASED	OUTSERVICE	ATI	TTI	CREATE	CICSUSER	
PRODCICS	-AAI	TMPLATE1	RELEASED	OUTSERVICE	ATI	TTI	CREATE	CICSUSER	
PRODCICS	-AAJ	TMPLATE1	RELEASED	OUTSERVICE	ATI	TTI	CREATE	CICSUSER	
PRODCICS	-AAK	TMPLATE1	RELEASED	OUTSERVICE	ATI	TTI	CREATE	CICSUSER	
PRODCICS	-AAL	TMPLATE1	RELEASED	OUTSERVICE	ATI	TTI	CREATE	CICSUSER	
PRODCICS	-AAM	TMPLATE2	RELEASED	INSERVICE	ATI	TTI	CREATE	CICSUSER	
PRODCICS	-AAN	TMPLATE3	RELEASED	INSERVICE	ATI	TTI	NOCREATE	CICSUSER	
PRODCICS	-AAO	TMPLATE3	RELEASED	INSERVICE	ATI	TTI	CREATE	CICSUSER	
PRODCICS	-AAP	TMPLATE3	RELEASED	OUTSERVICE	ATI	TTI	CREATE	CICSUSER	
PRODCICS	-AAQ	TMPLATE3	RELEASED	OUTSERVICE	ATI	TTI	CREATE	CICSUSER	
PRODCICS	-AAR	TMPLATE3	RELEASED	OUTSERVICE	ATI	TTI	CREATE	CICSUSER	
PRODCICS	-AAS	TMPLATE3	RELEASED	OUTSERVICE	ATI	TTI	CREATE	CICSUSER	
PRODCICS	-AAT	TMPLATE3	RELEASED	OUTSERVICE	ATI	TTI	CREATE	CICSUSER	
PRODCICS	-AAU	TMPLATE3	RELEASED	OUTSERVICE	ATI	TTI	CREATE	CICSUSER	
PRODCICS	-AAV	TMPLATE3	RELEASED	OUTSERVICE	ATI	TTI	CREATE	CICSUSER	
PRODCICS	-AAW	TMPLATE3	RELEASED	OUTSERVICE	ATI	TTI	CREATE	CICSUSER	
PRODCICS	-AAX	TMPLATE3	RELEASED	OUTSERVICE	ATI	TTI	CREATE	CICSUSER	
PRODCICS	-AAZ	TMPLATE3	RELEASED	OUTSERVICE	ATI	TTI	CREATE	CICSUSER	
PRODCICS	CBRF	CBRF	RELEASED	INSERVICE	ATI	TTI	NOCREATE	CICSUSER	
PRODCICS	CERR		NOTAPPLIC	INSERVICE	NOATI	TTI	NOTAPPLIC	CICSUSER	
PRODCICS	CNSL		NOTAPPLIC	INSERVICE	ATI	TTI	NOTAPPLIC	CNSL	
PRODCICS	CO01		NOTAPPLIC	INSERVICE	ATI	TTI	NOTAPPLIC	CNSL	
PRODCICS	CO02		NOTAPPLIC	INSERVICE	ATI	TTI	NOTAPPLIC	CNSL	
PRODCICS	CO03		NOTAPPLIC	INSERVICE	ATI	TTI	NOTAPPLIC	CNSL	
PRODCICS	CO04		NOTAPPLIC	INSERVICE	ATI	TTI	NOTAPPLIC	CNSL	
PRODCICS	CO05		NOTAPPLIC	INSERVICE	ATI	TTI	NOTAPPLIC	CNSL	
PRODCICS	CO06		NOTAPPLIC	INSERVICE	ATI	TTI	NOTAPPLIC	CNSL	
PRODCICS	CO07		NOTAPPLIC	INSERVICE	ATI	TTI	NOTAPPLIC	CNSL	
PRODCICS	CO08		NOTAPPLIC	INSERVICE	ATI	TTI	NOTAPPLIC	CNSL	
PRODCICS	CO09		NOTAPPLIC	INSERVICE	ATI	TTI	NOTAPPLIC	CNSL	
PRODCICS	CO10		NOTAPPLIC	INSERVICE	ATI	TTI	NOTAPPLIC	CNSL	
PRODCICS	CO11		NOTAPPLIC	INSERVICE	ATI	TTI	NOTAPPLIC	CNSL	
PRODCICS	CO12		NOTAPPLIC	INSERVICE	ATI	TTI	NOTAPPLIC	CNSL	
PRODCICS	CO13		NOTAPPLIC	INSERVICE	ATI	TTI	NOTAPPLIC	CNSL	

IZE0100I Connected user SYSA to host l...m1.boeblingen.de.ibm.com on port 27283 | Inx

CICS Explorer – connected ...

IBM CICS Explorer - C:/CICS-Work

File Edit Projekt Operations Definitions - Suchen Window Help

ISC/MRO Con TCP/IP Serv Terminal **Programs** Transactions TS Queues Transaction Cl Tasks Files TD Queues

CNX0211I Context: PRODCICS. Resource: PROGRAM. 1.603 records collected at 28.09.2012 18:04:08

Region	Name	Status	Use Count	Concurrent Us...	Language	Share Status	CEDF Status	NEWCOPY Status
PRODCICS	\$EDTDCPM	✓ ENABLED	0	0	C	N/A	CEDF	NOTREQUIRED
PRODCICS	\$EDTDCPV	✓ ENABLED	0	0	C	N/A	CEDF	NOTREQUIRED
PRODCICS	ARXITCPU	✓ ENABLED	0	0	ASSEMBLER	N/A	CEDF	NOTREQUIRED
PRODCICS	BSTADMII	✓ ENABLED	0	0	ASSEMBLER	N/A	CEDF	NOTREQUIRED
PRODCICS	CEEBINT	✓ ENABLED	1	1	ASSEMBLER	N/A	CEDF	NOTREQUIRED
PRODCICS	CEEBNATX	✓ ENABLED	0	0	ASSEMBLER	N/A	CEDF	NOTREQUIRED
PRODCICS	CEECBLDY	✓ ENABLED	0	0	ASSEMBLER	N/A	CEDF	NOTREQUIRED
PRODCICS	CEECICIS	✓ ENABLED	1	1	ASSEMBLER	N/A	CEDF	NOTREQUIRED
PRODCICS	CEECDATX	✓ ENABLED	0	0	ASSEMBLER	N/A	CEDF	NOTREQUIRED
PRODCICS	CEECMI	✓ ENABLED	0	0	ASSEMBLER	N/A	CEDF	NOTREQUIRED
PRODCICS	CEECOPT	✓ ENABLED	1	1	ASSEMBLER	N/A	CEDF	NOTREQUIRED
PRODCICS	CEECRHP	✓ ENABLED	0	0	ASSEMBLER	N/A	CEDF	NOTREQUIRED
PRODCICS	CEECXITA	✓ ENABLED	1	1	ASSEMBLER	N/A	CEDF	NOTREQUIRED
PRODCICS	CEECXTAN	✓ ENABLED	1	1	ASSEMBLER	N/A	CEDF	NOTREQUIRED
PRODCICS	CEECZST	✓ ENABLED	0	0	ASSEMBLER	N/A	CEDF	NOTREQUIRED
PRODCICS	CEEDATE	✓ ENABLED	0	0	ASSEMBLER	N/A	CEDF	NOTREQUIRED
PRODCICS	CEEDATM	✓ ENABLED	0	0	ASSEMBLER	N/A	CEDF	NOTREQUIRED
PRODCICS	CEEDAYS	✓ ENABLED	0	0	ASSEMBLER	N/A	CEDF	NOTREQUIRED
PRODCICS	CEEDCOD	✓ ENABLED	0	0	ASSEMBLER	N/A	CEDF	NOTREQUIRED
PRODCICS	CEEDSHP	✓ ENABLED	0	0	ASSEMBLER	N/A	CEDF	NOTREQUIRED
PRODCICS	CEEDYWK	✓ ENABLED	0	0	ASSEMBLER	N/A	CEDF	NOTREQUIRED
PRODCICS	CEENV	✓ ENABLED	0	0	ASSEMBLER	N/A	CEDF	NOTREQUIRED
PRODCICS	CEEEV000	✓ ENABLED	0	0	NOTDEFINED	N/A	CEDF	REQUIRED
PRODCICS	CEEEV001	✓ ENABLED	0	0	NOTDEFINED	N/A	CEDF	REQUIRED
PRODCICS	CEEEV002	✓ ENABLED	0	0	NOTDEFINED	N/A	CEDF	REQUIRED
PRODCICS	CEEEV003	✓ ENABLED	1	1	ASSEMBLER	N/A	CEDF	NOTREQUIRED
PRODCICS	CEEEV004	✓ ENABLED	0	0	NOTDEFINED	N/A	CEDF	REQUIRED
PRODCICS	CEEEV005	✓ ENABLED	1	1	ASSEMBLER	N/A	CEDF	NOTREQUIRED
PRODCICS	CEEEV006	✓ ENABLED	0	0	NOTDEFINED	N/A	CEDF	REQUIRED
PRODCICS	CEEEV007	✓ ENABLED	0	0	NOTDEFINED	N/A	CEDF	REQUIRED
PRODCICS	CEEEV008	✓ ENABLED	0	0	NOTDEFINED	N/A	CEDF	REQUIRED
PRODCICS	CEEEV009	✓ ENABLED	0	0	NOTDEFINED	N/A	CEDF	REQUIRED
PRODCICS	CEEEV010	✓ ENABLED	1	1	ASSEMBLER	N/A	CEDF	NOTREQUIRED
PRODCICS	CFFFV011	✓ FNARI FD	0	0	NOTDFINFD	N/A	CFDF	RFOITRFD

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CICS Explorer – connected ...

The screenshot displays the IBM CICS Explorer application window. The main window title is "IBM CICS Explorer - C:/CICS-Work". The menu bar includes File, Edit, Projekt, Operations, Definitions, Suchen, Window, and Help. The toolbar contains icons for file operations and a "CICS SM" button. The main pane shows a table of programs for the context "CNX0211I Context: PRODCICS. Resource: PROGRAM. 1,603 records collected at 28.09.2012 18:04:08". A red arrow points to the "Programs" tab in the top navigation bar.

Region	Name	Status	Use Count	Concurrent Us...	Language	Share Status	CEDF Status	NEWCOPY Status
PRODCICS	\$EDCTCPM	✓ ENABLED	0	0	C	N/A	CEDF	NOTREQUIRED
PRODCICS	\$EDTCPV	✓ ENABLED	0	0	C	N/A	CEDF	NOTREQUIRED
PRODCICS	ARXITCPU	✓ ENABLED	0	0	ASSEMBLER	N/A	CEDF	NOTREQUIRED
PRODCICS	BSTADMII	✓ ENABLED	0	0	ASSEMBLER	N/A	CEDF	NOTREQUIRED
PRODCICS	CEEBINT	✓ ENABLED	1	1	ASSEMBLER	N/A	CEDE	NOTREQUIRED
PRODCICS	CEEBNATX	✓ ENABLED	0	0				
PRODCICS	CEECBLDY	✓ ENABLED	0	0				
PRODCICS	CEECCICS	✓ ENABLED	1	1				
PRODCICS	CEECDATX	✓ ENABLED	0	0				
PRODCICS	CEECMI	✓ ENABLED	0	0				
PRODCICS	CEECOPT	✓ ENABLED	1	1				
PRODCICS	CEECRHP	✓ ENABLED	0	0				
PRODCICS	CEECXITA	✓ ENABLED	1	1				
PRODCICS	CEECXTAN	✓ ENABLED	1	1				
PRODCICS	CEECZST	✓ ENABLED	0	0				
PRODCICS	CEEDATE	✓ ENABLED	0	0				
PRODCICS	CEEDATM	✓ ENABLED	0	0				
PRODCICS	CEEDAYS	✓ ENABLED	0	0				
PRODCICS	CEEDCOD	✓ ENABLED	0	0				
PRODCICS	CEEDSHP	✓ ENABLED	0	0				
PRODCICS	CEEDYWK	✓ ENABLED	0	0				
PRODCICS	CEEENV	✓ ENABLED	0	0				
PRODCICS	CEEEV000	✓ ENABLED	0	0				
PRODCICS	CEEEV001	✓ ENABLED	0	0				
PRODCICS	CEEEV002	✓ ENABLED	0	0				
PRODCICS	CEEEV003	✓ ENABLED	1	1				
PRODCICS	CEEEV004	✓ ENABLED	0	0				
PRODCICS	CEEEV005	✓ ENABLED	1	1				
PRODCICS	CEEEV006	✓ ENABLED	0	0				
PRODCICS	CEEEV007	✓ ENABLED	0	0				
PRODCICS	CEEEV008	✓ ENABLED	0	0				
PRODCICS	CEEEV009	✓ ENABLED	0	0				
PRODCICS	CEEEV010	✓ ENABLED	1	1				
PRODCICS	CFFV011	✓ FNARL FD	0	0				

The terminal window shows the following output:

```

I PROG
STATUS: RESULTS - OVERTYPE TO MODIFY
Prog($EDCTCPM) Len(0000000) C Pro Ena Pri Ced
Res(000) Use(0000000000) Bel Uex Ful
Prog($EDTCPV) Len(0000000) C Pro Ena Pri Ced
Res(000) Use(0000000000) Bel Uex Ful
Prog(ARXITCPU) Len(0000000) Ass Pro Ena Pri Ced
Res(000) Use(0000000000) Bel Uex Ful
Prog(BSTADMII) Len(0000000) Ass Pro Ena Pri Ced
Res(000) Use(0000000000) Bel Cex Ful
Prog(CEEBINT ) Len(0000008) Ass Pro Ena Pri Ced
Res(001) Use(0000000001) Bel Uex Ful
Prog(CEEBNATX) Len(0000000) Ass Pro Ena Sha Ced
Res(000) Use(0000000000) Bel Uex Ful
Prog(CEECBLDY) Len(0000000) Ass Pro Ena Pri Ced
Res(000) Use(0000000000) Bel Uex Ful
Prog(CEECCICS) Len(0043464) Ass Pro Ena Sha Ced
Res(001) Use(0000000001) Bel Uex Ful
+ Prog(CEECDATX) Len(0000000) Ass Pro Ena Pri Ced
Res(000) Use(0000000000) Bel Uex Ful

SYSID=CIC2 APPLID=PRODCICS
RESPONSE: NORMAL TIME: 16.21.55 DATE: 09.28.12
PF 1 HELP 3 END 7 SBH 8 SFH 9 MSG 10 SB 11 SF
  
```

The status bar at the bottom shows "IZE0100I Connected user SYSA to host l...m1.boeblingen.de.ibm.com on port 27283" and "lnx".

CICS Explorer – connected ...

IBM CICS Explorer - C:/CICS-Work

File Edit Projekt Operations Definitions - Suchen Window Help

ISC/MRO Con TCP/IP Servic Terminals Programs Transactions TS Queues Transaction Cl Tasks Files TD Queues

CNX0211I Context: PRODCICS. Resource: LOCTRAN. 259 records collected at 28.09.2012 18:06:15

Region	Name	Status	Use Count	Program	Priority	Transaction ...	Purgeability	Dumping	Routing
PRODCICS	cler	ENABLED	0	CEL4RTO	1	DFHTCL00	NOTPURGEA...	TRANDUMP	STATIC
PRODCICS	disc	ENABLED	0	CLIENT01	1	DFHTCL00	NOTPURGEA...	TRANDUMP	STATIC
PRODCICS	emai	ENABLED	0	CLIENT01	1	DFHTCL00	NOTPURGEA...	TRANDUMP	STATIC
PRODCICS	ftp	ENABLED	0	FTP01	1	DFHTCL00	NOTPURGEA...	TRANDUMP	STATIC
PRODCICS	iccf	ENABLED	0	DTSICCF	1	DFHTCL00	NOTPURGEA...	TRANDUMP	STATIC
PRODCICS	lpr	ENABLED	0	CLIENT01	1	DFHTCL00	NOTPURGEA...	TRANDUMP	STATIC
PRODCICS	newc	ENABLED	0	EDCCNEWC	1	DFHTCL00	NOTPURGEA...	TRANDUMP	STATIC
PRODCICS	ping	ENABLED	0	CLIENT01	1	DFHTCL00	NOTPURGEA...	TRANDUMP	STATIC
PRODCICS	rexe	ENABLED	0	CLIENT01	1	DFHTCL00	NOTPURGEA...	TRANDUMP	STATIC
PRODCICS	ropc	ENABLED	0	EDCYCROP	1	DFHTCL00	NOTPURGEA...	TRANDUMP	STATIC
PRODCICS	teln	ENABLED	0	TELNET01	1	DFHTCL00	NOTPURGEA...	TRANDUMP	STATIC
PRODCICS	trac	ENABLED	0	CLIENT01	1	DFHTCL00	NOTPURGEA...	TRANDUMP	STATIC
PRODCICS	APVU	ENABLED	0	INWPCCOM	20	DFHTCL00	PURGEABLE	TRANDUMP	STATIC
PRODCICS	ARPS	ENABLED	0	DFH\$ARPS	1	DFHTCL00	NOTPURGEA...	TRANDUMP	STATIC
PRODCICS	CATA	ENABLED	1	DFHZATA	255	DFHTCL00	PURGEABLE	TRANDUMP	STATIC
PRODCICS	CATD	ENABLED	1	DFHZATD	255	DFHTCL00	PURGEABLE	TRANDUMP	STATIC
PRODCICS	CATR	ENABLED	1	DFHZATR	255	DFHTCL00	NOTPURGEA...	TRANDUMP	STATIC
PRODCICS	CCIN	ENABLED	0	DFHZCN1	254	DFHCOMCL	PURGEABLE	TRANDUMP	STATIC
PRODCICS	CDTS	ENABLED	0	DFHZATS	255	DFHTCL00	PURGEABLE	TRANDUMP	STATIC
PRODCICS	CEBR	ENABLED	0	DFHEDFBR	1	DFHTCL00	NOTPURGEA...	TRANDUMP	STATIC
PRODCICS	CECI	ENABLED	0	DFHECIP	1	DFHTCL00	PURGEABLE	TRANDUMP	STATIC
PRODCICS	CECS	ENABLED	0	DFHECSP	1	DFHTCL00	PURGEABLE	TRANDUMP	STATIC
PRODCICS	CEDA	ENABLED	0	DFHEDAP	1	DFHTCL00	PURGEABLE	TRANDUMP	STATIC
PRODCICS	CEDB	ENABLED	0	DFHEDAP	1	DFHTCL00	PURGEABLE	TRANDUMP	STATIC
PRODCICS	CEDC	ENABLED	0	DFHEDAP	1	DFHTCL00	PURGEABLE	TRANDUMP	STATIC
PRODCICS	CEDF	ENABLED	0	DFHEDFP	1	DFHTCL00	PURGEABLE	TRANDUMP	STATIC
PRODCICS	CEDX	ENABLED	0	DFHEDFP	1	DFHTCL00	PURGEABLE	TRANDUMP	STATIC
PRODCICS	CEGN	ENABLED	0	DFHCEGN	255	DFHTCL00	PURGEABLE	TRANDUMP	STATIC
PRODCICS	CEHP	ENABLED	0	DFHCHS	1	DFHTCL00	NOTPURGEA...	TRANDUMP	STATIC
PRODCICS	CEHS	ENABLED	0	DFHCHS	1	DFHTCL00	NOTPURGEA...	TRANDUMP	STATIC
PRODCICS	CEMS	ENABLED	0	DFHEMSP	1	DFHTCL00	NOTPURGEA...	TRANDUMP	STATIC
PRODCICS	CEMT	ENABLED	0	DFHEMTP	255	DFHTCL00	NOTPURGEA...	TRANDUMP	STATIC
PRODCICS	CEOS	ENABLED	0	DFHEMSP	1	DFHTCL00	NOTPURGEA...	TRANDUMP	STATIC
PRODCICS	CEOT	ENABLED	0	DFHEOTP	255	DFHTCL00	PURGEABLE	TRANDUMP	STATIC
PRODCICS	CEPW	ENABLED	0	DFHPSOP	254	DFHTCL00	NOTPURGEA...	TRANDUMP	STATIC
PRODCICS	CESC	ENABLED	0	DFHCESC	255	DFHTCL00	NOTPURGEA...	TRANDUMP	STATIC
PRODCICS	CESF	ENABLED	0	DFHSFP	1	DFHTCL00	PURGEABLE	TRANDUMP	STATIC
PRODCICS	CESN	ENABLED	0	DFHSNP	1	DFHTCL00	PURGEABLE	TRANDUMP	STATIC
PRODCICS	CEST	ENABLED	0	DFHESTP	255	DFHTCL00	PURGEABLE	TRANDUMP	STATIC
PRODCICS	CETR	ENABLED	0	DFHCETRA	255	DFHTCL00	NOTPURGEA...	TRANDUMP	STATIC
PRODCICS	CFTS	ENABLED	0	DFHZATS	255	DFHTCL00	NOTPURGEA...	TRANDUMP	STATIC

IZE0100I Connected user SYSA to host l...m1.boeblingen.de.ibm.com on port 27283



CICS Explorer – connected ...

IBM CICS Explorer - C:/CICS-Work

File Edit Projekt Operations Definitions - Suchen Window Help

ISC/MRO Con TCP/IP Servic Terminals Programs Transactions TS Queues Transaction Cl Tasks Files TD Queues

CNX0211I Context: PRODCICS. Resource: LOCFILE. 14 records collected at 28.09.2012 18:07:47

Region	Name	Status	Open Status	Add	Browse	Delete	Read	Update	LSR Pool ID	DS Name
PRODCICS	BSTCNTL	✓ ENABLED	CLOSED	ADDABLE	BROWSABLE	DELETABLE	READABLE	UPDATABLE	0	VSE.BSTCN...
PRODCICS	DFHCSD	UNENABLED	CLOSED	ADDABLE	BROWSABLE	DELETABLE	READABLE	UPDATABLE	1	CICS.CSD
PRODCICS	EZACACH	✓ ENABLED	CLOSED	ADDABLE	BROWSABLE	DELETABLE	READABLE	UPDATABLE	1	
PRODCICS	EZACONF	✓ ENABLED	CLOSED	ADDABLE	BROWSABLE	DELETABLE	READABLE	NOTUPDAT...	1	
PRODCICS	IESCNTL	✓ ENABLED	OPEN	ADDABLE	BROWSABLE	DELETABLE	READABLE	UPDATABLE	1	VSE.CONT...
PRODCICS	IESLDUM	✓ ENABLED	CLOSED	ADDABLE	BROWSABLE	DELETABLE	READABLE	UPDATABLE	1	VSE.LDAP...
PRODCICS	IESPRB	✓ ENABLED	OPEN	ADDABLE	NOTBROW...	NOTDELET...	READABLE	UPDATABLE	1	CICS2.ONL...
PRODCICS	IESROUT	✓ ENABLED	OPEN	ADDABLE	BROWSABLE	DELETABLE	READABLE	UPDATABLE	1	VSE.MESSA...
PRODCICS	IESTRFL	✓ ENABLED	OPEN	NOTADDABLE	NOTBROW...	NOTDELET...	READABLE	NOTUPDAT...	1	VSE.TEXT...
PRODCICS	INWFILE	✓ ENABLED	CLOSED	ADDABLE	BROWSABLE	DELETABLE	READABLE	UPDATABLE	1	PC.HOST.T...
PRODCICS	RFSDIR1	✓ ENABLED	CLOSED	ADDABLE	BROWSABLE	DELETABLE	READABLE	UPDATABLE	1	CICREX.FP...
PRODCICS	RFSDIR2	✓ ENABLED	CLOSED	ADDABLE	BROWSABLE	DELETABLE	READABLE	UPDATABLE	1	CICREX.FP...
PRODCICS	RFSPOL1	✓ ENABLED	CLOSED	ADDABLE	BROWSABLE	DELETABLE	READABLE	UPDATABLE	1	CICREX.FP...
PRODCICS	RFSPOL2	✓ ENABLED	CLOSED	ADDABLE	BROWSABLE	DELETABLE	READABLE	UPDATABLE	1	CICREX.FP...

IZE0100I Connected user SYSA to host l...m1.boeblingen.de.ibm.com on port 27283

lnx

Migration to CICS TS for z/VSE 2.1

- CICS TS for z/VSE 2.1 delivered with z/VSE 6.1
 - Can not run on z/VSE V5 or earlier
 - CICS TS for VSE/ESA 1.1.1 is not available on z/VSE 6.1

- Migration considerations
 - If your program uses the EXEC CICS API interfaces, program run unchanged (no recompile / relink required)
 - CICS tables (SIT, MCT, DFHCNV, and others) need to be reassembled and re-linked
 - If you use your own CSD dataset, upgrade the CSD dataset with the DFHCSDUP utility
 - If programs use internal CICS control blocks, recompile is recommended
 - Global User Exits and user-replaceable modules:
 - It is recommended to recompile programs, if you use internal CICS control blocks.



CICS TS for VSE/ESA fix list

- <http://www-01.ibm.com/support/docview.wss?rs=1083&uid=swg27015142>

← Go to IBM Support Portal

Fix list for CICS Transaction Server for VSE/ESA 1.1.1

Others also viewed...

- [PI24035: DFHAP0001 AN ABEND \(CODE 0C4/AKEA\) HAS ...](#)
- [IZE0106E Connect failed with error Not Found \(cicsrgn\) when ...](#)
- [PQ61179: 500 INTERNAL SERVER ERROR ON BROWSER IF ...](#)
- [PQ42736: EXEC DL/I COMMANDS CAUSE ERROR IN DFHEPP1\\$...](#)
- [PQ40941: CORRECT WORDING IN SUPPLIED GIF FILE](#)

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Product documentation

Abstract

This document contains a table of APARs for CICS Transaction Server for VSE/ESA (CICS TS) V1.1.1. A comma separated values (CSV) file containing all the fields for each APAR is also included as an attachment. You can use the CSV file to import the list of APARs into a spreadsheet or database for sorting or downloading.

Content

IBM updates this Fix list the first week of every month if there is a change to the APARs for this product. The fix list is available in two formats:

- ↓ [Fix list table](#)
- ↓ [CSV file](#)

Click on the [Fixes by version document](#) to see Fix lists for other version, release, and modification (VRM) levels of currently supported CICS products.

Fix list

Open APARs are at the top of the Fix list table followed by closed APARs, ordered by close date. There might be a few days after the APAR closes before the table and CSV file are updated with the close date and PTF(s).

Click on an APAR number in the Fix list table to display the APAR. You will need to enter your IBM ID and password when displaying open APARs. There are no links to APARs closed prior to 2000 because they are not available on the Web. However, you can still order the PTFs for these APARs.

See the [information VSE provides on ordering maintenance](#) to download PTF(s).

Latest update: 5 May 2015

Fix list for CICS Transaction Server for VSE/ESA V1.1.1					
APAR	CLOSE DATE	PTF(s)	Fixing APAR if PE	HIPER?	Abstract
PI36509					MSG CNX0595E WHEN TRYING TO GET ACTIVE CICS TASKS VIA CICS EXPLORER AND PERFORMANCE CLASS MONITORING IS SWITCHED ON IN SIT.
PI31272					INCORRECT OUTPUT IN DFHSO0226 AND DFHSO0263 TRACE ENTRIES

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Document information

More support for:
[CICS Transaction Server Maintenance](#)

Software version:
1.1.1

Operating system(s):
z/VSE

Reference #:
7015142

Modified date:
2015-05-05

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CICS Transaction Server for VSE/ESA welcome page

This page provides an entry point to product information about CICS Transaction Server for VSE/ESA. Use the links in the Table of Contents to find documentation for specific versions and editions of this product family. Generated links to developerWorks, Redbooks, and white papers are also provided when articles about the product are available. On this page, you can find entry points to sites that help you learn more about this product and other IBM products. There are also links to web sites that help you find support and stay current.

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 - <http://www.ibm.com/systems/z/os/zvse/documentation/#hints>

- 64 bit virtual information:
 - IBM z/VSE Extended Addressability, IBM z/VSE System Macro Reference

- CICS Explorer: <http://www.ibm.com/software/htp/cics/explorer/>

- IBM Redbooks:
 - Introduction to the New Mainframe: z/VSE Basics
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- Please contact z/VSE: <https://www-03.ibm.com/systems/z/os/zvse/contact/contact.html>
or me – Ingolf Salm – salm@de.ibm.com – for any questions



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