2012
IBM System z Technical University

Enabling the infrastructure for smarter computing

zDG06 – CICS Explorer for z/VSE

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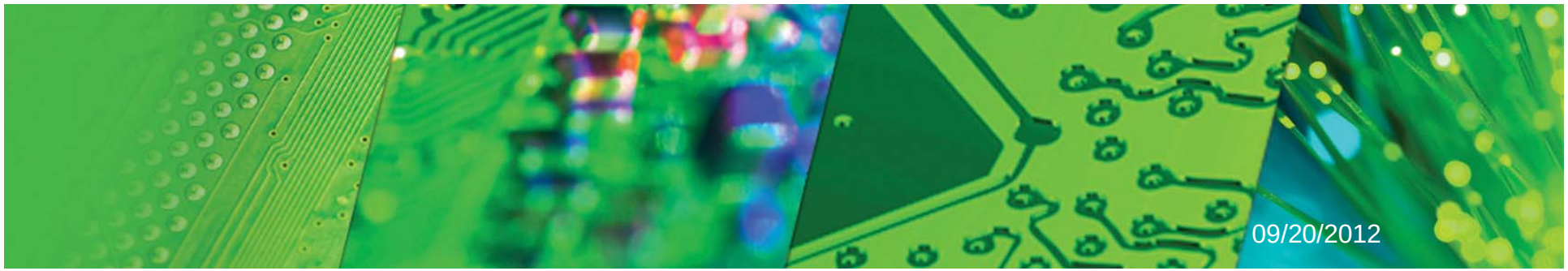

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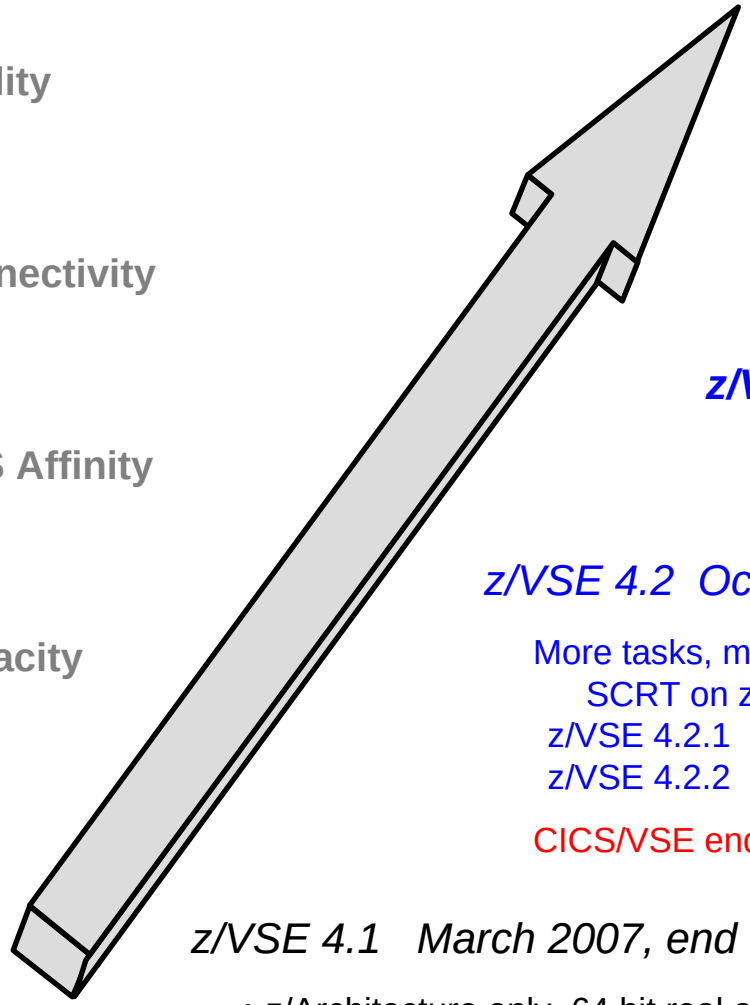
VSE Roadmap



z/VSE 5.1.1 (+ Enhancements) GA 06/15/2012

- **CICS Explorer, LFP in LPAR, database connector**

z/VSE 5.1 GA 11/25/2011

- **64 bit virtual, zEnterprise exploitation**
- **SOD: CICS Explorer, ALS: z9 or higher**

z/VSE 4.3 11/2010

Virtual storage constraint relief, 4 digit cuus
z/VSE 4.3.1 08/2011, *end of marketing 06/25/2012*

z/VSE 4.2 October 2008, ***end of service 10/31/2012***

More tasks, more memory, EF for z/VSE 1.1, CPU balancing,
SCRT on z/VSE, SoD for CICS/VSE
z/VSE 4.2.1 07/2009 - PAV, EF for z/VSE 1.2
z/VSE 4.2.2 04/2010 - IPv6/VSE 05/2010

CICS/VSE end of service 10/31/2012

z/VSE 4.1 March 2007, end of service 04/30/2011

- z/Architecture only, 64 bit real addressing,
  MWLC – full and sub-capacity pricing

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CICS Explorer for z/VSE

- Fulfills statement of general direction (SOD):

  IBM intends to provide CICS Explorer capabilities for CICS TS for VSE/ESA, to deliver additional value.

- Announced 04/03/2012, GA 06/15/2012

- CICS Explorer – The new face to CICS

  – New 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

    - CICS Explorer server extension
      - Delivered as PTF for CICS TS for VSE/ESA 1.1.1
      - Available on z/VSE 5.1 only

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CICS Explorer for z/VSE

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

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CICS Explorer for z/VSE – 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

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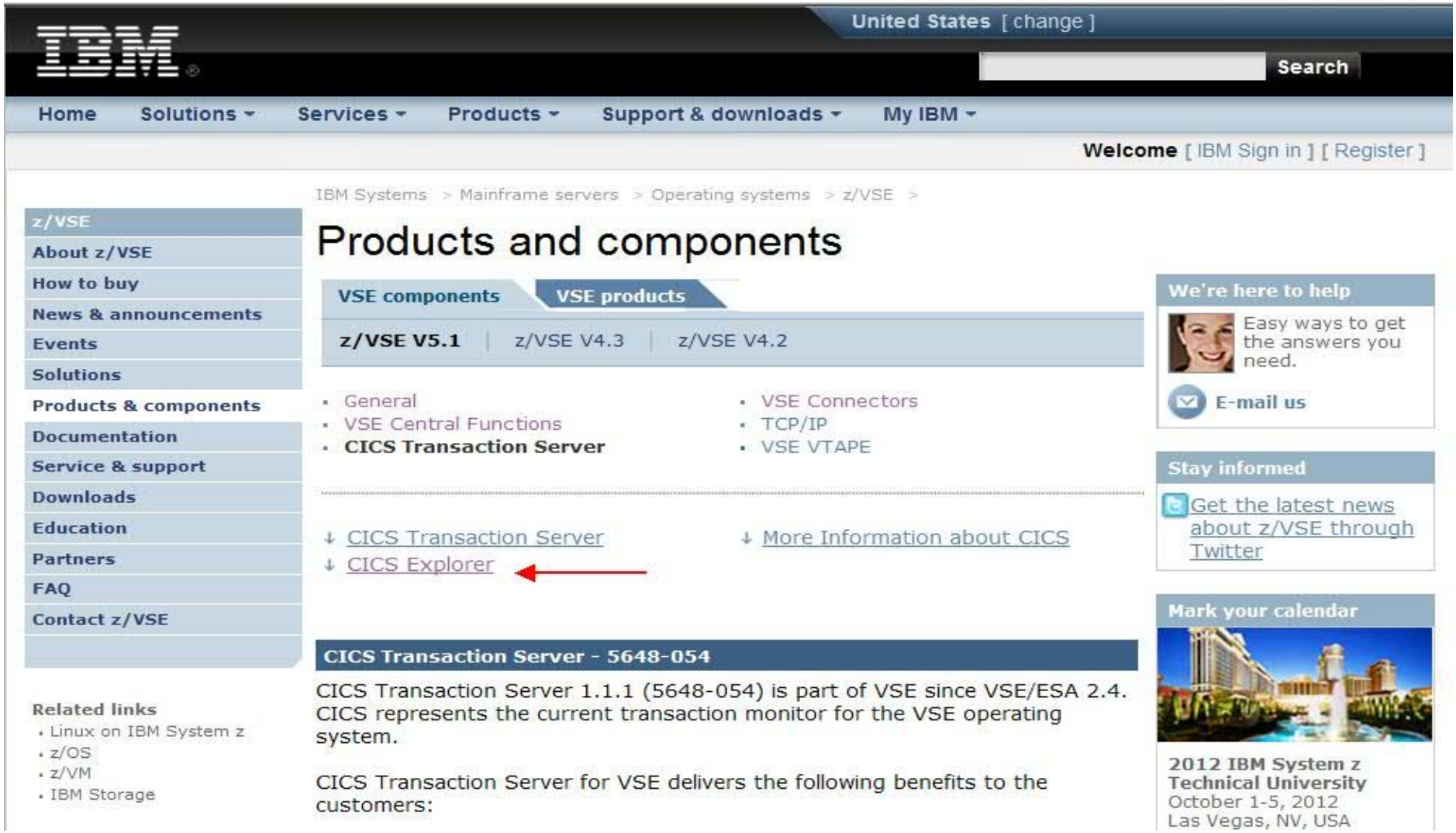
CICS Explorer for z/VSE on the Web



CICS Explorer for z/VSE on the Web

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

Back to top

Data encryption. Protect your critical data. Don't be the next headline.

→ Learn more

Now available

→ IBM Rational COBOL Runtime for z/VSE V7.5

→ IBM WebSphere MQ for z/VSE V3.0

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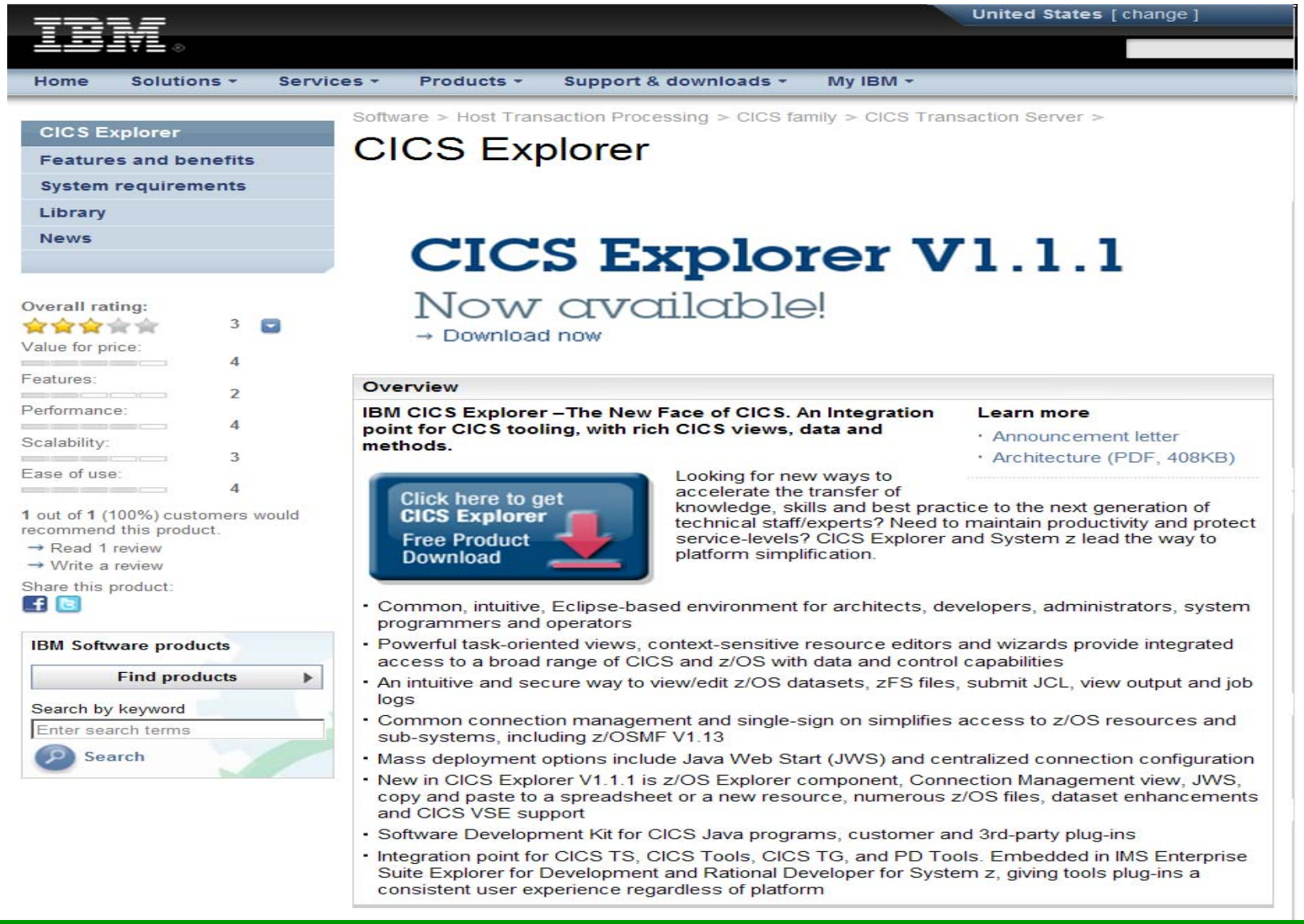
CICS Explorer for z/VSE on the Web



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CICS Explorer for z/VSE - Installation

- CICS Explorer client
  - 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 Interface only

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CICS Explorer for z/VSE - Installation

- CICS Transaction Server
  - Install PTFs for CICS Explorer support (included in z/VSE 5.1.1)
    - CICS Management Client Interface (CMCI)
    - CICSPlex System Management (CPSM)
  - System requirements
    - CICS Explorer connects to z/VSE 5.1 only
    - Additional extended Dynamic Storage Area (DSA) required
      - Size depends on active CICS resources
      - Good start is 450 MB, new PTF reduces requirements to about 50 MB
      - May impact partition allocation
    - TCP/IP for VSE/ESA 1.5F or IPv6/VSE 1.1 or Linux Fast Path (IPv4 only)
  - CICS setup skeletons in ICCF library 59
    - CICS System Definitions, transaction security setup, DCT, …
  - Changing CICS SIT (SEC=YES, TCPIP=YES)
  - Define TCPIPSERVICE
  - …

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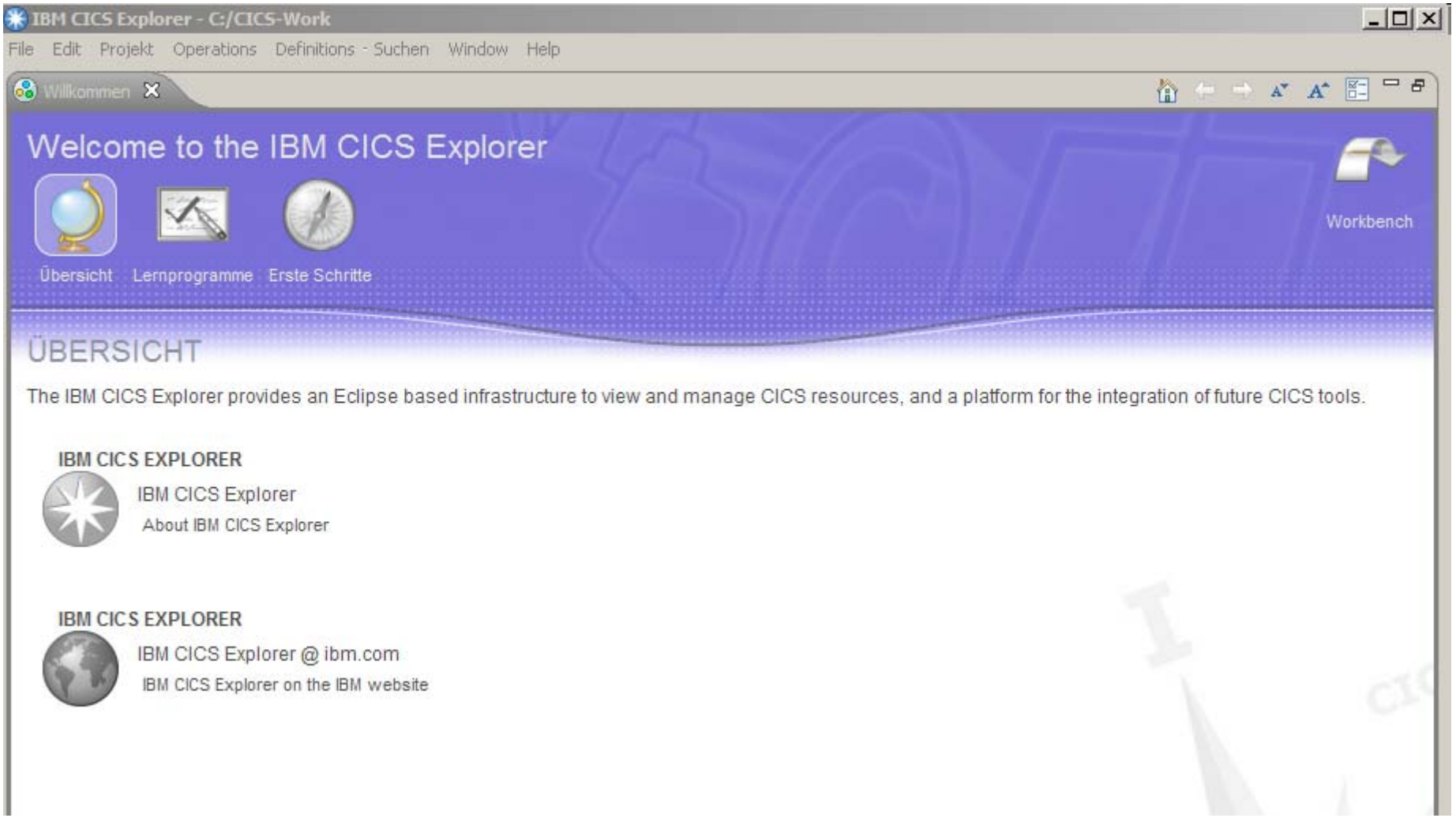
CICS Explorer for z/VSE – Welcome Page



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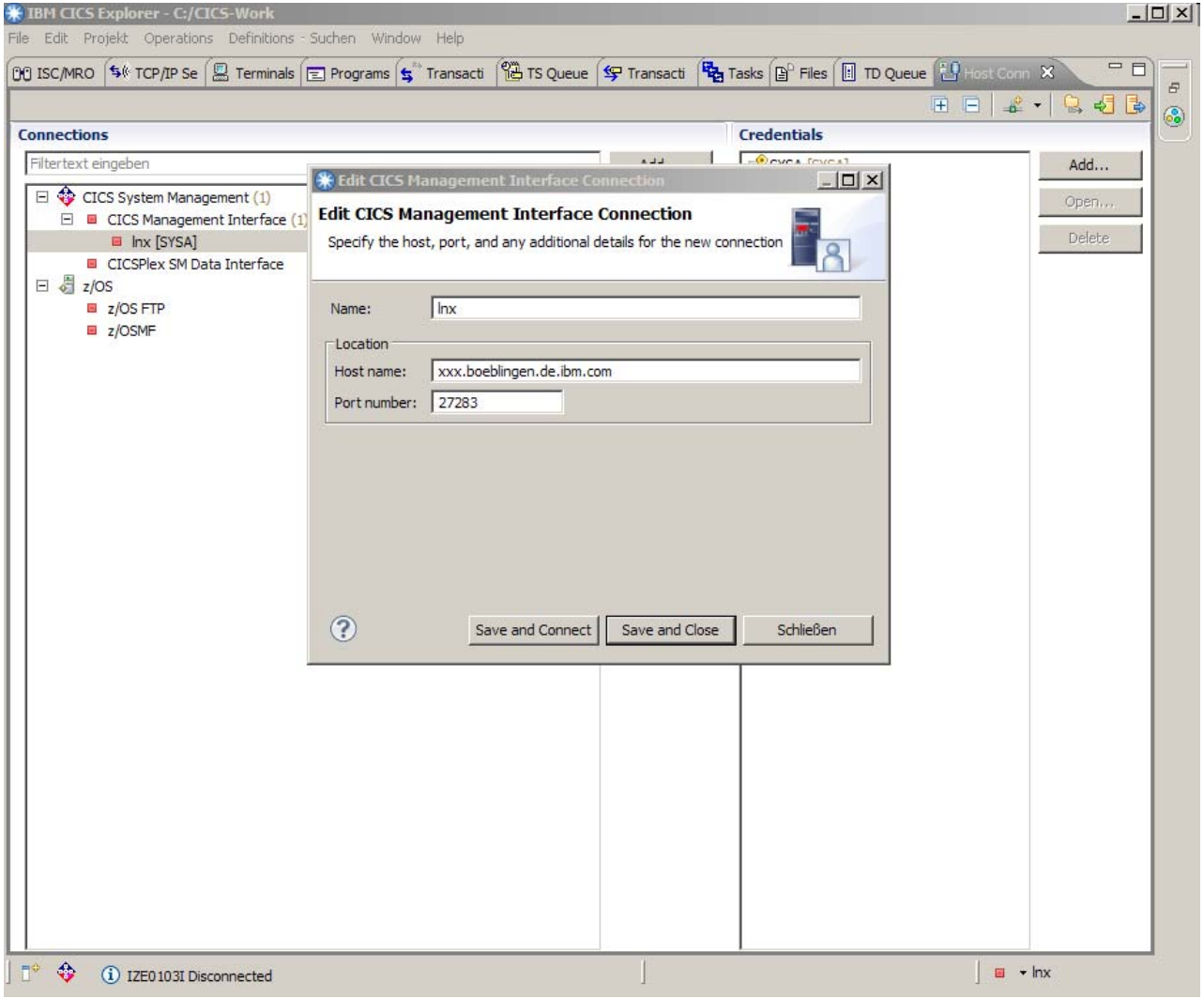
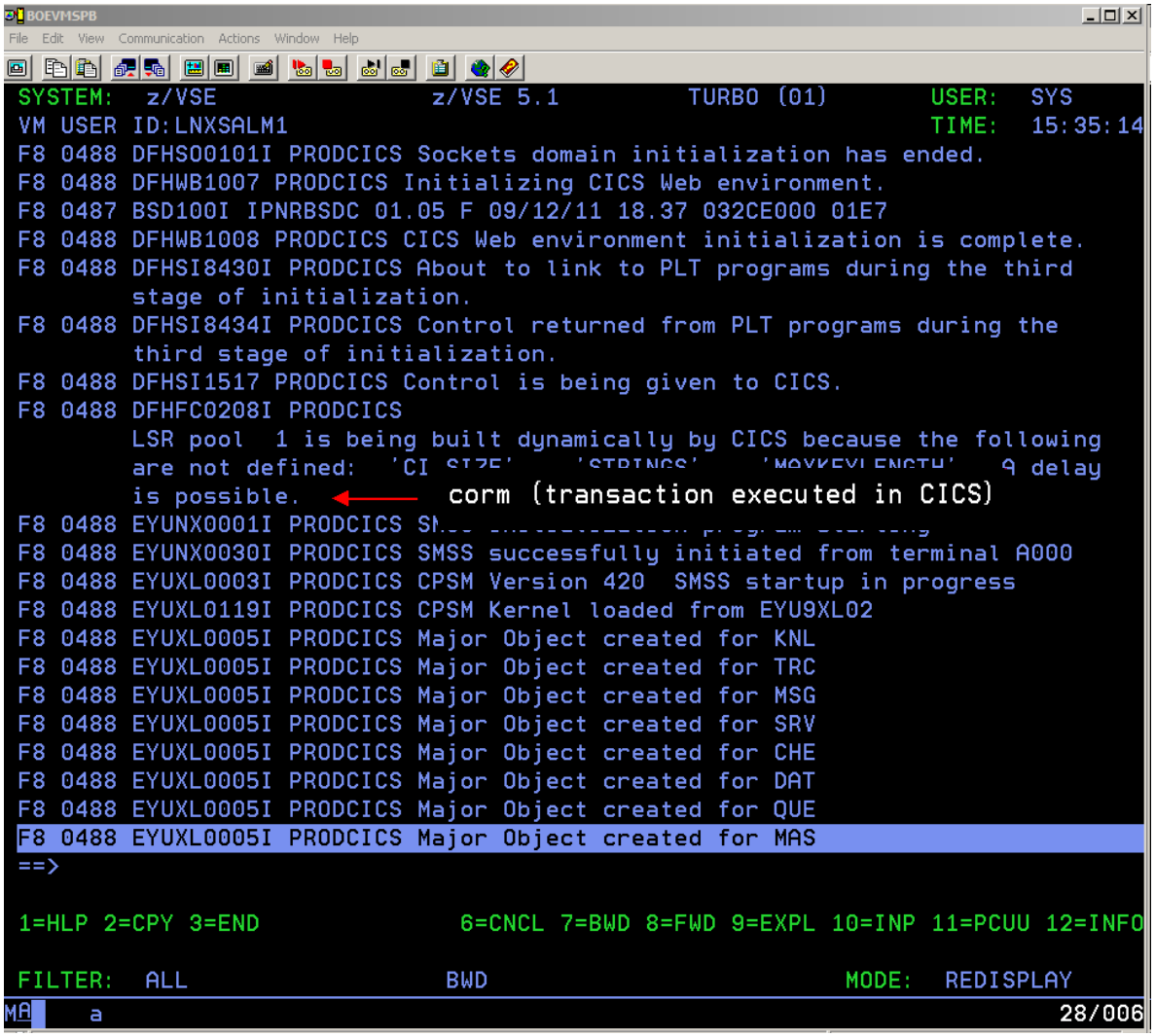
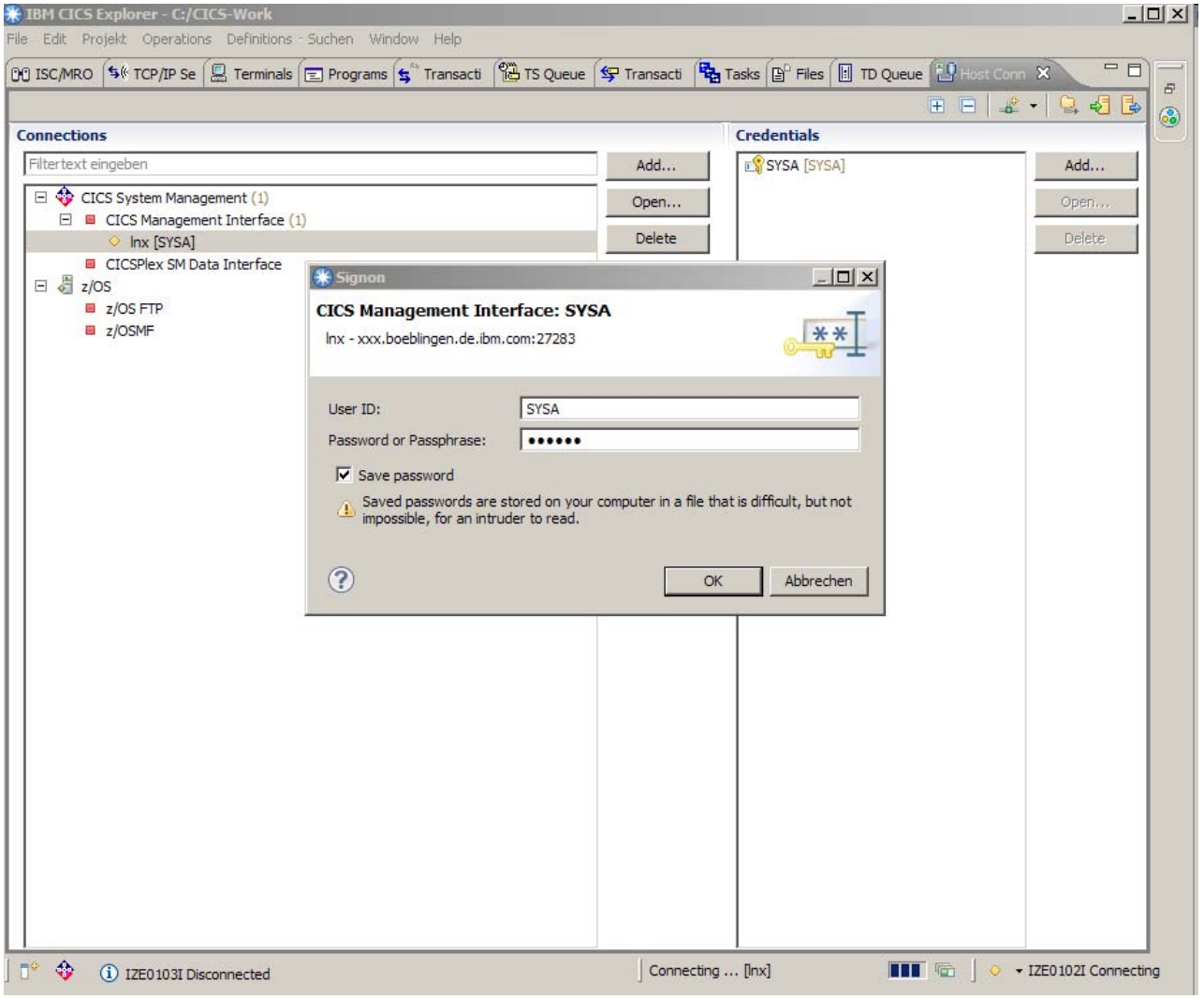
CICS Explorer for z/VSE - Configuration



CICS Explorer for z/VSE – Start CORM Transaction on Server



CICS Explorer for z/VSE – Sign-on



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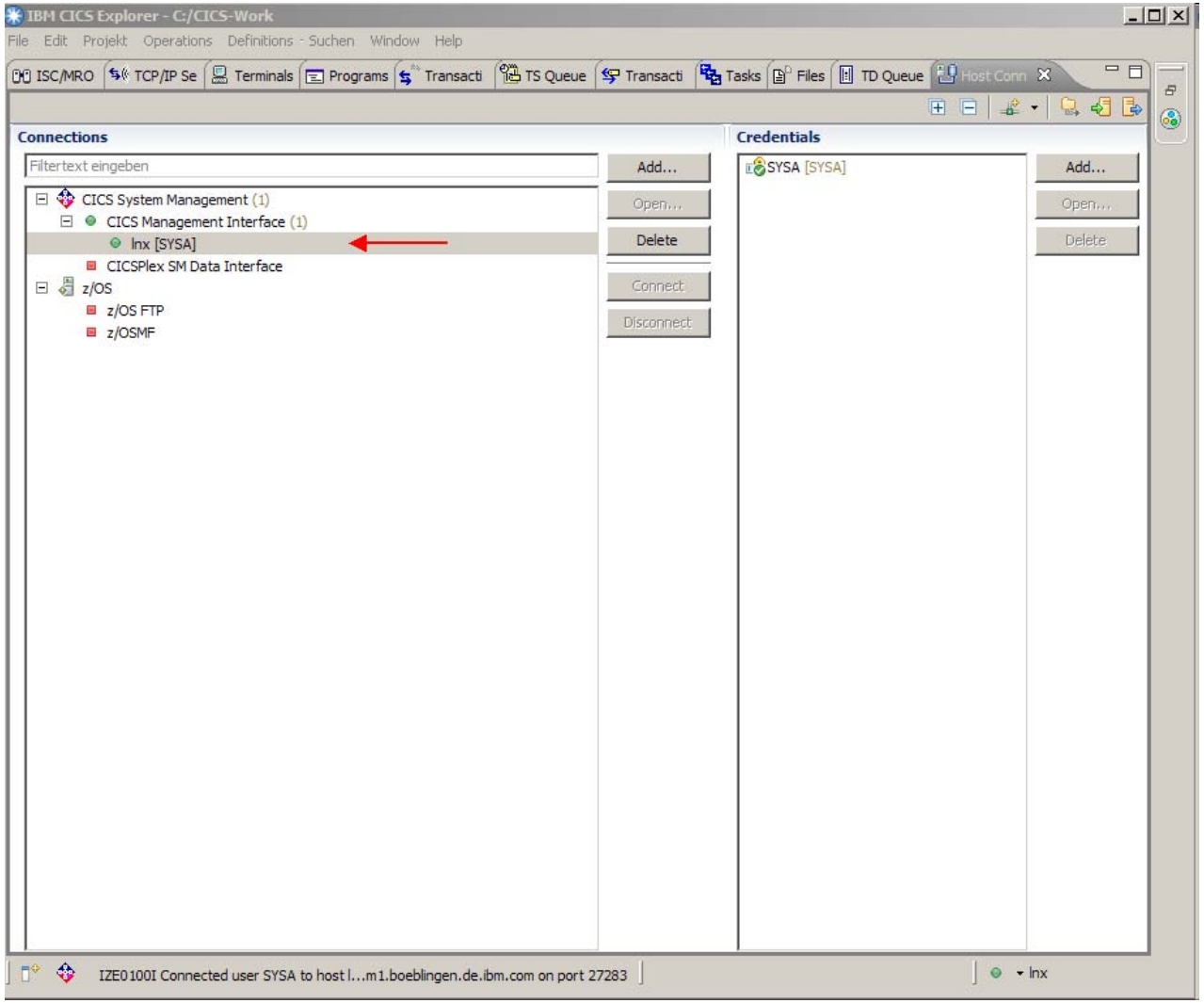
CICS Explorer for z/VSE – Connected



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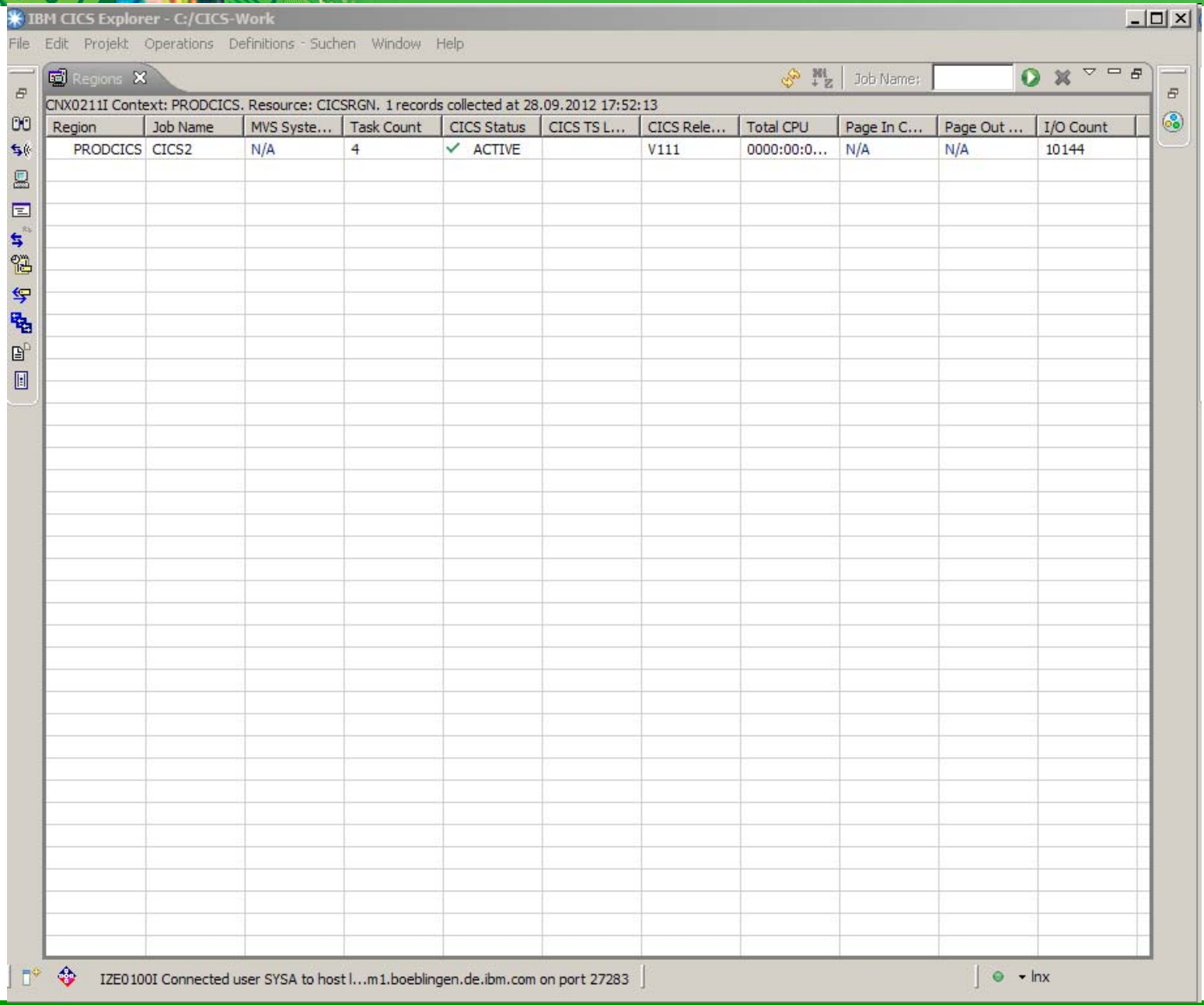

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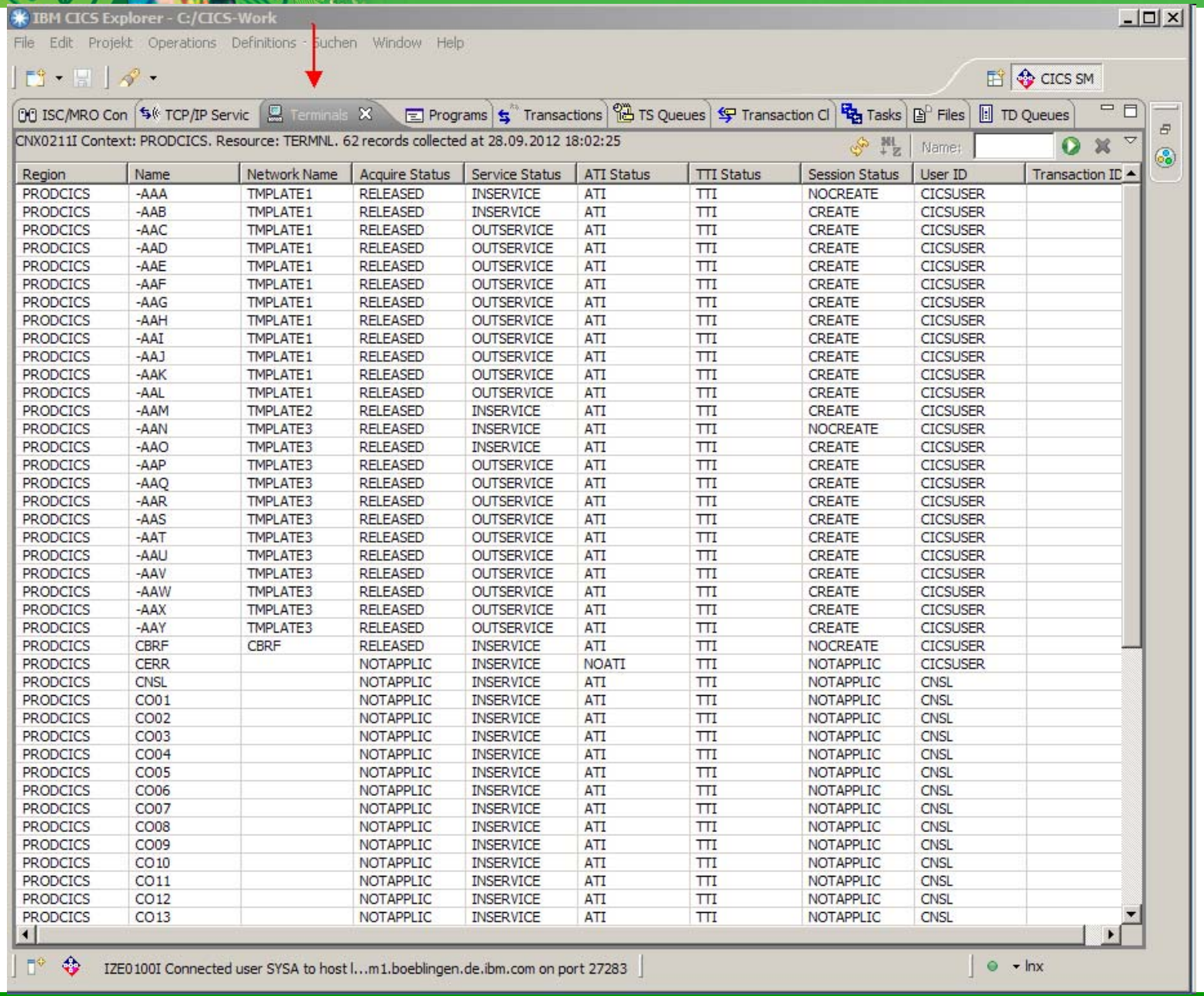

Region	Name	Network Name	Acquire Status	Service Status	ATI Status	TTI Status	Session Status	User ID	Transaction ID
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PRODCICS	-AAB	TMPLATE1	RELEASED	INSERVICE	ATI	TTI	CREATE	CICSUSER	
PRODCICS	-AAC	TMPLATE1	RELEASED	OUTSERVICE	ATI	TTI	CREATE	CICSUSER	
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	-AAY	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	
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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	
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PRODCICS	CO13		NOTAPPLIC	INSERVICE	ATI	TTI	NOTAPPLIC	CNSL	

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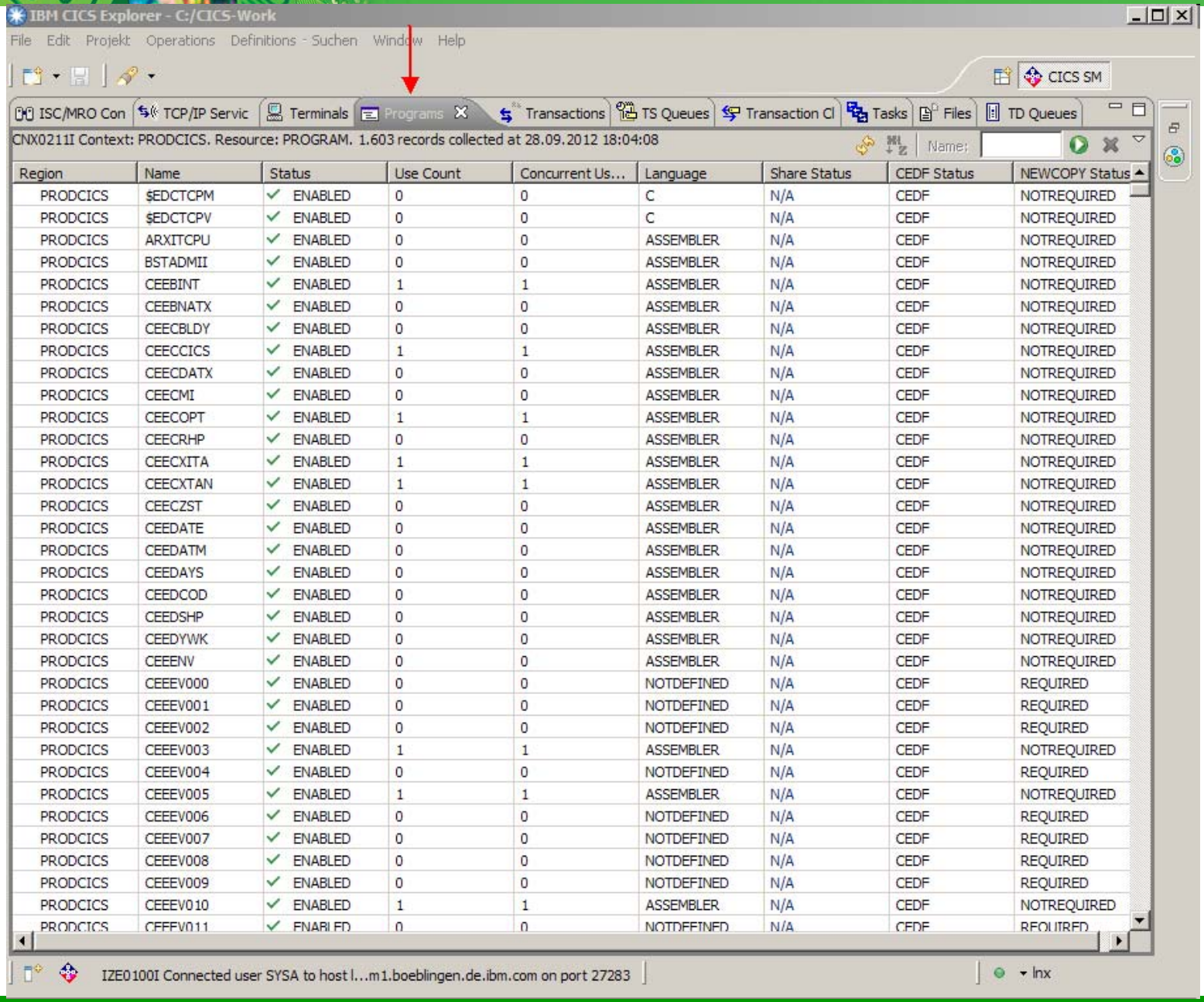

Region	Name	Status	Use Count	Concurrent Us...	Language	Share Status	CEDF Status	NEWCOPY Status
PRODCICS	$EDCTCPM	ENABLED	0	0	C	N/A	CEDF	NOTREQUIRED
PRODCICS	$EDCTCPV	ENABLED	0	0	C	N/A	CEDF	NOTREQUIRED
PRODCICS	ARXITCPU	ENABLED	0	0	ASSEMBLER	N/A	CEDF	NOTREQUIRED
PRODCICS	BSTADMII	ENABLED	0	0	ASSEMBLER	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	CEECCICS	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	CEEENV	ENABLED	0	0	ASSEMBLER	N/A	CEDF	NOTREQUIRED
PRODCICS	CEEEV000	ENABLED	0	0	NOTDEFINED	N/A	CEDF	REQUIRED
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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
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PRODCICS	CEEEV007	ENABLED	0	0	NOTDEFINED	N/A	CEDF	REQUIRED
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PRODCICS	CEEEV010	ENABLED	1	1	ASSEMBLER	N/A	CEDF	NOTREQUIRED
PRODCICS	CEEEV011	ENABLED	0	0	NOTDEFINED	N/A	CEDF	REQUIRED

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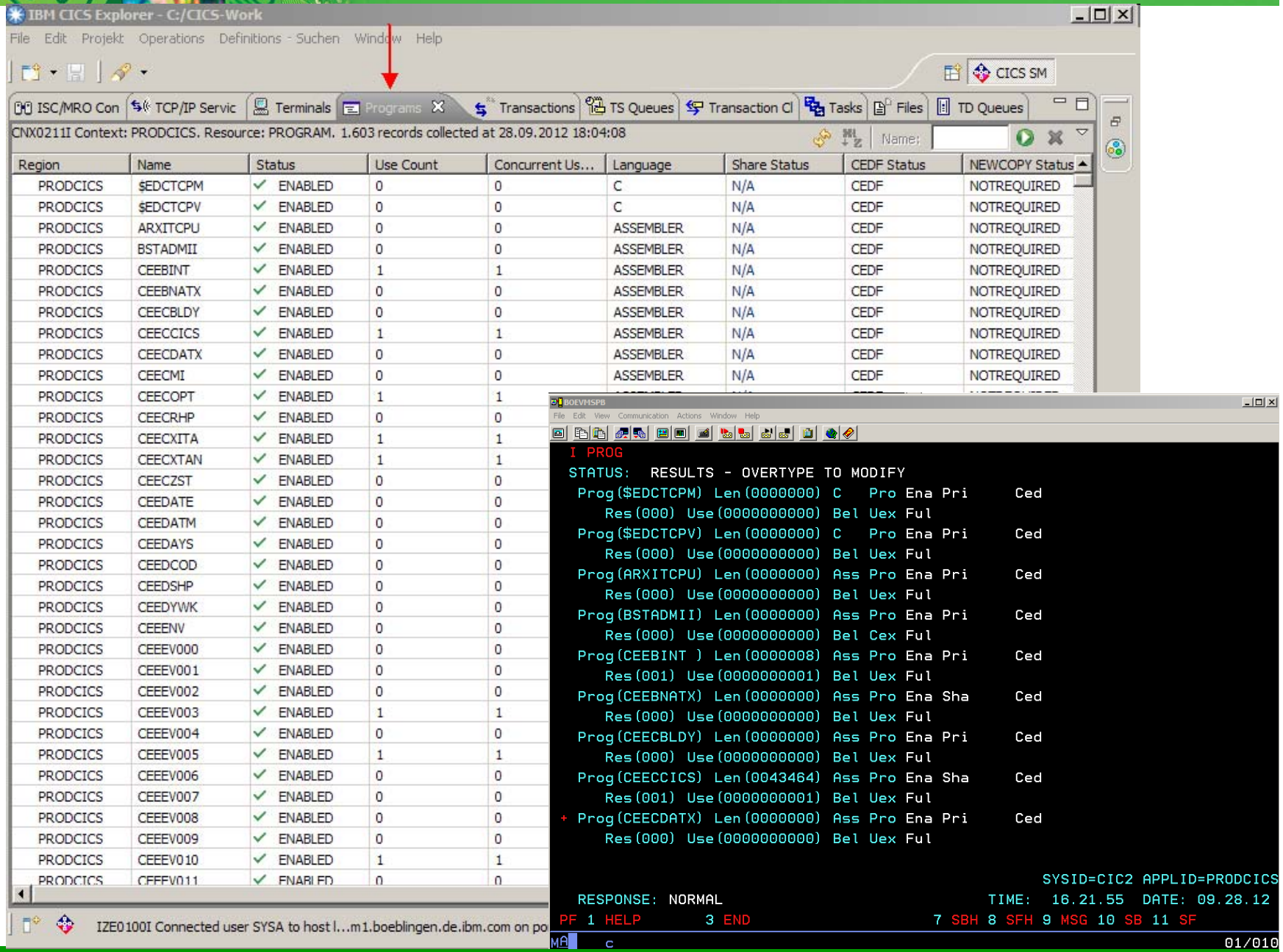
IBM CICS Explorer - C:/CICS-Work
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CICS SM
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TCP/IP Servic
Terminals
Programs
Transactions
TS Queues
Transaction Cl
Tasks
Files
TD Queues
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Name:
Region Name Status Use Count Concurrent Us... Language Share Status CEDF Status NEWCOPY Status
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PRODCICS $EDCTCPV ENABLED 0 0 C N/A CEDF NOTREQUIRED
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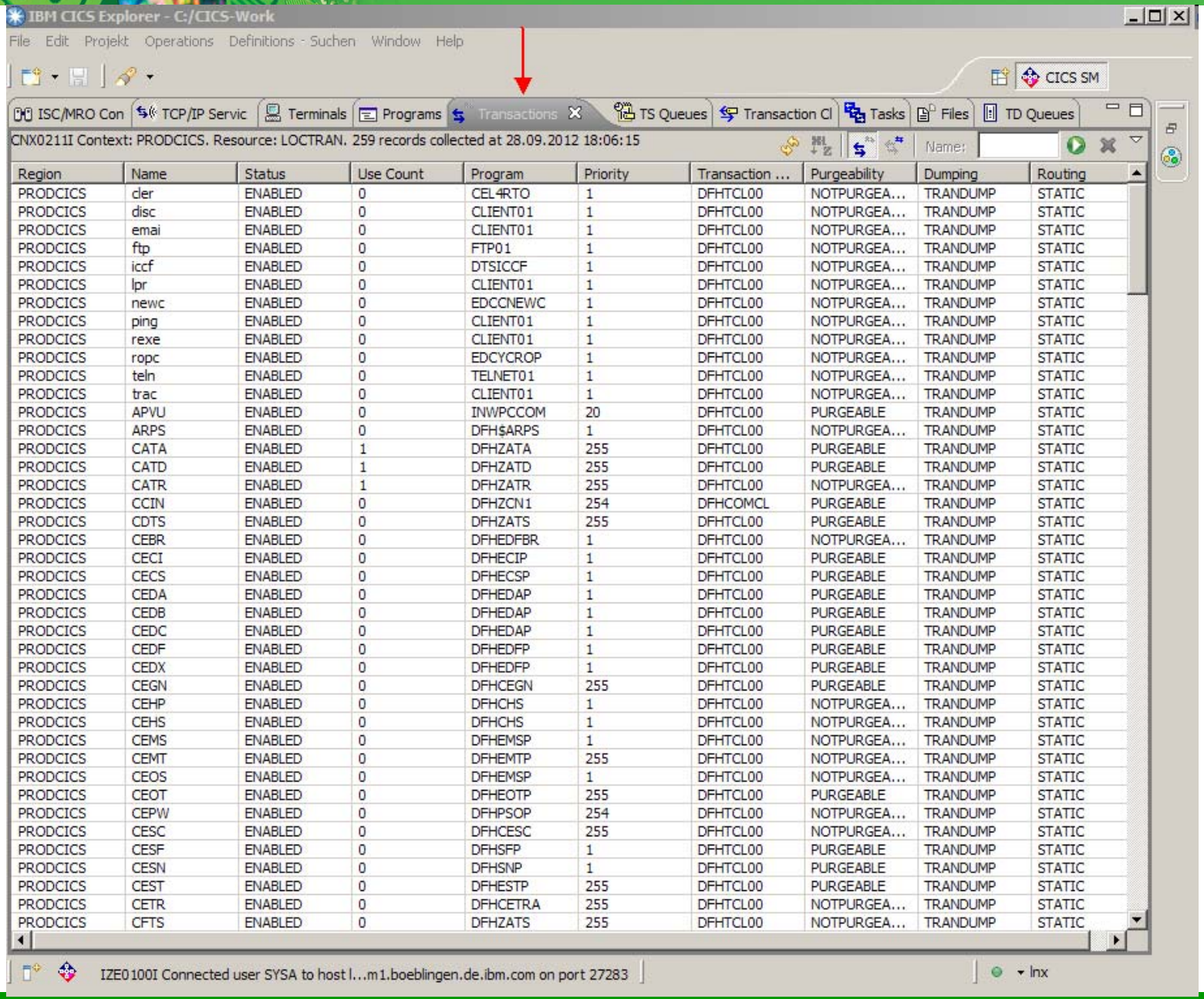
+ Prog(CEECDATX) Len(0000000) Ass Pro Ena Pri Ced
Res(000) Use(0000000000) Bel Uex Ful
SYSID=CIC2 APPLID=PRODCICS
RESPONSE: NORMAL TIME: 16.21.55 DATE: 09.28.12
PF 1 HELP 3 END 7 SBH 8 SFH 9 MSG 10 SB 11 SF
MA c 01/010



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

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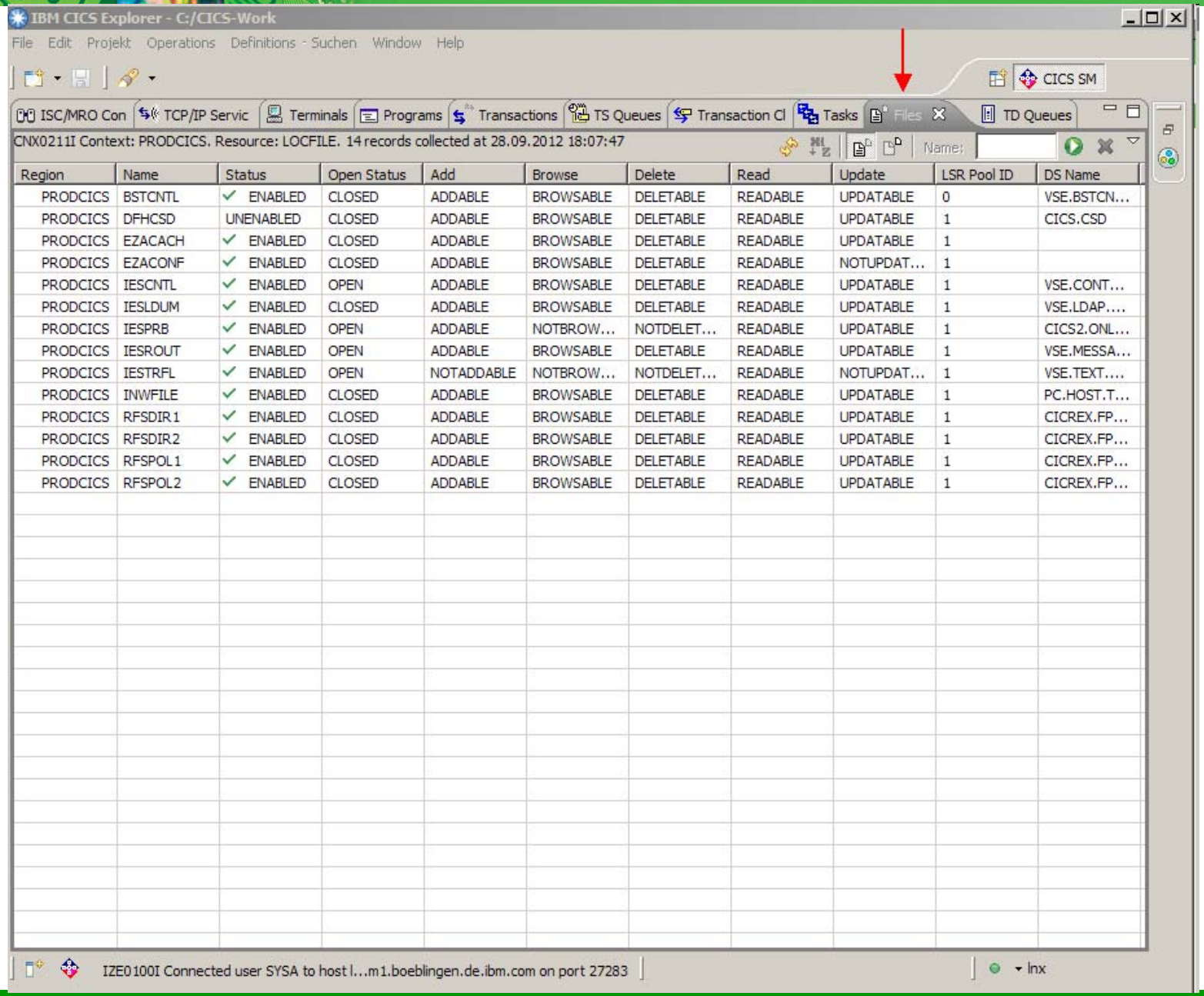

Region	Name	Status	Open Status	Add	Browse	Delete	Read	Update	LSR Pool ID	DS Name
PRODCICS	BSTCNTL	ENABLED	CLOSED	ADDABLE	BROWSABLE	DELETABLE	READABLE	UPDATABLE	0	VSE.BSTCN...
PRODCICS	DFHCSD	UNENABLED	CLOSED	ADDABLE	BROWSABLE	DELETABLE	READABLE	UPDATABLE	1	CICS.CSD
PRODCICS	EZACACH	ENABLED	CLOSED	ADDABLE	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...

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More Information

… on VSE home page: http://ibm.com/vse

- Hints and Tips for :
  - z/VSE V4.3: ftp://public.dhe.ibm.com/eserver/zseries/zos/vse/pdf3/zvse43/hintbmm2.pdf
- 64 bit virtual information:
  - IBM z/VSE Extended Addressability, Version 5 Release 1
  - IBM z/VSE System Macro Reference, Version 5 Release 1
- CICS Explorer: http://www-01.ibm.com/software/htp/cics/explorer/
- IBM Redbooks:
  - Introduction to the New Mainframe: z/VSE Basics
    http://www.redbooks.ibm.com/abstracts/sg247436.html?Open
  - Security on IBM z/VSE – new update available
    http://www.redbooks.ibm.com/Redbooks.nsf/RedbookAbstracts/sg247691.html?Open
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