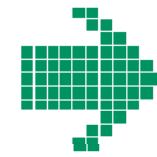


Lattwein
Computersprachen



IBM System z – 8th European GSE / IBM Technical University for z/VSE,
z/VM and Linux on System z

VS04 z/VSE Hints & Tips + Erfahrungsaustausch



Heinz Peter Maassen (hp.maassen@lattwein.de)

Lattwein GmbH

Dagmar Kruse (dkruse@de.ibm.com)

IBM Deutschland GmbH

The following are trademarks of the International Business Machines Corporation in the United States, other countries, or both.

Not all common law marks used by IBM are listed on this page. Failure of a mark to appear does not mean that IBM does not use the mark nor does it mean that the product is not actively marketed or is not significant within its relevant market.

Those trademarks followed by ® are registered trademarks of IBM in the United States; all others are trademarks or common law marks of IBM in the United States.

For a complete list of IBM Trademarks, see www.ibm.com/legal/copytrade.shtml:

*, AS/400®, e business(logo)®, DBE, ESCO, eServer, FICON, IBM®, IBM (logo)®, iSeries®, MVS, OS/390®, pSeries®, RS/6000®, S/30, VM/ESA®, VSE/ESA, WebSphere®, xSeries®, z/OS®, zSeries®, z/VM®, System i, System i5, System p, System p5, System x, System z, System z9®, BladeCenter®

The following are trademarks or registered trademarks of other companies.

Adobe, the Adobe logo, PostScript, and the PostScript logo are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States, and/or other countries.

Cell Broadband Engine is a trademark of Sony Computer Entertainment, Inc. in the United States, other countries, or both and is used under license therefrom.

Java and all Java-based trademarks are trademarks of Sun Microsystems, Inc. in the United States, other countries, or both.

Microsoft, Windows, Windows NT, and the Windows logo are trademarks of Microsoft Corporation in the United States, other countries, or both.

Intel, Intel logo, Intel Inside, Intel Inside logo, Intel Centrino, Intel Centrino logo, Celeron, Intel Xeon, Intel SpeedStep, Itanium, and Pentium are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

UNIX is a registered trademark of The Open Group in the United States and other countries.

Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.

ITIL is a registered trademark, and a registered community trademark of the Office of Government Commerce, and is registered in the U.S. Patent and Trademark Office.

IT Infrastructure Library is a registered trademark of the Central Computer and Telecommunications Agency, which is now part of the Office of Government Commerce.

* All other products may be trademarks or registered trademarks of their respective companies.

Notes:

Performance is in Internal Throughput Rate (ITR) ratio based on measurements and projections using standard IBM benchmarks in a controlled environment. The actual throughput that any user will experience will vary depending upon considerations such as the amount of multiprogramming in the user's job stream, the I/O configuration, the storage configuration, and the workload processed. Therefore, no assurance can be given that an individual user will achieve throughput improvements equivalent to the performance ratios stated here.

IBM hardware products are manufactured from new parts, or new and serviceable used parts. Regardless, our warranty terms apply.

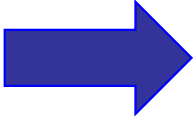
All customer examples cited or described in this presentation are presented as illustrations of the manner in which some customers have used IBM products and the results they may have achieved. Actual environmental costs and performance characteristics will vary depending on individual customer configurations and conditions.

This publication was produced in the United States. IBM may not offer the products, services or features discussed in this document in other countries, and the information may be subject to change without notice. Consult your local IBM business contact for information on the product or services available in your area.

All statements regarding IBM's future direction and intent are subject to change or withdrawal without notice, and represent goals and objectives only.

Information about non-IBM products is obtained from the manufacturers of those products or their published announcements. IBM has not tested those products and cannot confirm the performance, compatibility, or any other claims related to non-IBM products. Questions on the capabilities of non-IBM products should be addressed to the suppliers of those products.

Prices subject to change without notice. Contact your IBM representative or Business Partner for the most current pricing in your geography.

- 
- CICS Auxtrace Analyse
 - Refresh der IUI-Konsole anpassen
 - IBM My Notification/APAR-Beschreibung
 - Service Level bestimmen
 - Request for Enhancement (RFE) Tool

Wo kommen die Sendzeiten her ?

Windows 7 Server

CON-TIME:	1.6	6.7	207.7	216.1	TXML008	20752
CON-TIME:	41.0	690.9	1,028.7	1,760.7	TXML007	20750
CON-TIME:	516.0	779.2	422.5	1,717.8	TXML006	20751
CON-TIME:	39.3	6.7	211.2	257.3	TXML009	20753
CON-TIME:	42.7	152.5	223.5	418.8	TXML010	20754
CON-TIME:	197.9	18.3	420.7	637.1	TXML011	20755
	Recv	Prog	Send	Summe		

Linux Server

CON-TIME:	51.7	8.4	12.2	72.4	TXML008	00479
CON-TIME:	53.7	167.7	23.1	244.5	TXML010	00480
CON-TIME:	1.8	7.7	12.0	21.6	TXML009	00481
CON-TIME:	94.7	268.2	12.3	375.2	TXML010	00482
CON-TIME:	100.2	838.3	13.0	951.6	TXML007	00483
CON-TIME:	58.3	7.6	16.7	82.7	TXML014	00484
	Recv	Prog	Send	Summe		

CICS Auxtrace einstellen: CETR

CETR CICS Trace Control Facility CICT CICSTEST

Type in your choices.

Item	Choice	Possible choices
Internal Trace Status	===> STOPPED	STArTedd, STOppedd
Internal Trace Table Size	===> 256 K	16K - 1048576K
Auxiliary Trace Status	===> STOPPED	STArTedd, STOppedd, PAused
Auxiliary Trace Dataset	===> A	A, B
Auxiliary Switch Status	===> NO	NO, NExt, All
Master System Trace Flag	===> ON	ON, OFF
Master User Trace Flag	===> ON	ON, OFF

When finished, press ENTER.

PF1=Help 3=Quit 4=Components **5=Ter/Trn** 9=Error List

CICS Auxtrace Transaktion einstellen

CETR Transaction and Terminal Trace CICT CICSTEST

Type in your choices.

Item	Choice	Possible choices
Transaction ID	==> QTCL	Any valid 4 character ID
Transaction Status	==>	STandard, SPecial, SUPpressed
Terminal ID	===>	Any valid Terminal ID
Netname	===>	Any valid Netname
Terminal Status	===>	STandard, SPecial
Terminal ZCP Trace	===>	ON, OFF

When finished, press ENTER.

PF1=Help

3=Quit

9=Error List

CICS Auxtrace Starten

CETR

CICS Trace Control Facility

CICT CICSTEST

Type in your choices.

Item	Choice	Possible choices
Internal Trace Status	===> Start	STArTted, STOpped
Internal Trace Table Size	===> 256 K	16K - 1048576K
Auxiliary Trace Status	===> START	STArTted, STOpped, Paused
Auxiliary Trace Dataset	===> A	A, B
Auxiliary Switch Status	===> NO	NO, NExt, All
Master System Trace Flag	===> ON	ON, OFF
Master User Trace Flag	===> ON	ON, OFF

When finished, **press ENTER.**

PF1=Help

3=Quit

4=Components

5=Ter/Trn

9=Error List

CICS Auxtrace Drucken

Ausdruck Auxiliary Trace:

Mit CETR: Auxtrace STOP !

Dann diesen Job im VSE ablaufen lassen:

```
* $$ JOB JNM=DFHAUXPR,DISP=D,CLASS=0
* $$ LST CLASS=V,DEST=(*,VSEMAINT)
// JOB DFHAUXPR PRINT CICS AUXILIARY FROM DISK
// DLBL DFHAUXT,'CICSF5.AUXTRACE.A',0,VSAM,CAT=VSESPUC,DISP=(OLD,KEEP)
// EXEC DFHTU410,SIZE=1880K,OS390
TRANID=(QTCL) ABBREV TIMESTAMP
/*
/&
* $$ EOJ
```

(Rot bitte anpassen)

CICS Auxtrace lesen



CICS - AUXILIARY TRACE FROM 13/08/14 - APPLID CICSTEST

PAGE 0001

CICS SELECTIVE TRACE PRINT PARAMETERS:

TRANID=(QTCL) TIMESTAMP

CICS - AUXILIARY TRACE FROM 13/08/14 - APPLID CICSTEST

PAGE 0002

XM 1102 XMAT EXIT - FUNCTION(ATTACH) RESPONSE(OK)

```
TASK-04135 KE_NUM-0022 TCB-0033C000 RET-8178CFC0 TIME-17:06:16.6963700000 INTERVAL-00.0015150000 =000157=  
1-0000 00780000 000000A0 00000000 00000000 B86C0180 00000000 01000100 D8E3C3D3 *.....%......QTCL*  
0020 00000000 00000000 00000000 00000000 00000601 00020000 01407500 0004137C *.....S*  
0040 0004137C 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *...S.....*  
0060 00000000 00000000 01C0FB58 00A46EC4 04000000 00000000 *.....ä...u>D..... *
```

AP EA00 TMP ENTRY FUNCTION(LOCATE) TABLE(PFT) KEY(CPGDEF)

```
TASK-04137 KE_NUM-002C TCB-0033C000 RET-805C53FA TIME-17:06:16.6974890000 INTERVAL-00.0000160000 =000179=  
1-0000 01000400 01A06A10 00000000 00000000 00 *..... *  
2-0000 C3D7C7C4 C5C64040 *CPGDEF *
```

AP EA01 TMP EXIT FUNCTION(LOCATE) TABLE(PFT) KEY(CPGDEF) ENTRY_ADDRESS(01AFFED0) RESPONSE(NORMAL)

```
TASK-04137 KE_NUM-002C TCB-0033C000 RET-805C53FA TIME-17:06:16.6975000000 INTERVAL-00.0000110000 =000180=  
1-0000 01000400 01A06A10 01AFFED0 00000000 00 *.....ü..... *  
2-0000 C3D7C7C4 C5C64040 *CPGDEF *
```

CICS Auxtrace weiterlesen



AP 0591 APXM EXIT - FUNCTION(INIT_XM_CLIENT) RESPONSE(OK)

TASK-04137 KE_NUM-002C TCB-0033C000 RET-836A7C26 TIME-17:06:16.6975060000 INTERVAL-00.0000060000 =000181=
1-0000 00200000 000000C8 00000000 00000000 B0000000 00000000 01000100 00020102 *.....H.....*

AP 05C0 ICXM ENTRY - FUNCTION(INIT_XM_CLIENT) CLIENT_REQUEST_BLOCK(01C0FB58 , 00A46EC4)

TASK-04137 KE_NUM-002C TCB-0033C000 RET-836A7CC8 TIME-17:06:16.6975120000 INTERVAL-00.0000060000 =000182=
1-0000 00400000 000000B3 00000000 00000000 BD000000 00000000 01000100 01C0FB58 *.ä..*
0020 00A46EC4 00000000 00000000 00000000 00000000 00000000 00000000 *.u>D.....*

XM 1001 XMIQ ENTRY - FUNCTION(SET_TRANSACTION) FACILITY_TYPE(START) FACILITY_TOKEN(01C0FB58)

TASK-04137 KE_NUM-002C TCB-0033C000 RET-8178F620 TIME-17:06:16.6975180000 INTERVAL-00.0000060000 =000183=
1-0000 00F80000 000000A1 00000000 00000000 B1000000 00100000 03000100 01C0FB58 *.8.....ä..*
0020 00046EC4 00000000 00000000 00000000 00000000 00000000 00000000 *..>D.....*
0040 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
0060 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
0080 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
00A0 00000000 00000000 00000000 01C0FB58 00000000 00000000 00000000 *.....ä.....*
00C0 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
00E0 00000000 00000000 00000000 00000000 00000000 00000000 *.....*

XM 1002 XMIQ EXIT - FUNCTION(SET_TRANSACTION) RESPONSE(OK)

TASK-04137 KE_NUM-002C TCB-0033C000 RET-8178F620 TIME-17:06:16.6975240000 INTERVAL-00.0000060000 =000184=
1-0000 00F80000 000000A1 00000000 00000000 B1000000 00100000 03000100 01C0FB58 *.8.....ä..*
0020 00046EC4 00000000 00000000 00000000 00000000 00000000 00000000 *..>D.....*
0040 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
0060 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
0080 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
00A0 00000000 00000000 00000000 01C0FB58 00000000 00000000 00000000 *.....ä.....*

CICS Auxtrace . . .



CICS - AUXILIARY TRACE FROM 13/08/14 - APPLID CICSTEST

PAGE 00003

```
00C0 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
00E0 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
```

US 0401 USXM ENTRY - FUNCTION(UNFLATTEN_TRANSACTION_USER) FLAT_TRANSUSER(01C0FBB0 , 00000000 , 00000030)

TASK-04137 KE_NUM-002C TCB-0033C000 RET-8178FDC2 TIME-17:06:16.6975290000 INTERVAL-00.0000050000 =000185=

```
1-0000 00B00000 000000C0 00000000 00000000 B8000010 00000000 08000000 00000000 *.....ä.....*
0020 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
0040 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
0060 00000000 00000000 00000000 00000000 00000000 00000000 01C0FBB0 *.....ä..*
0080 00000000 00000030 00000000 00000000 00000000 00000000 00000000 *.....*
00A0 00000000 00000000 00D7C7C4 C5C64040 *.....PGDEF*
```

US 0301 USAD ENTRY - FUNCTION(ADD_USER_WITHOUT_PASSWORD) SIGNON_TYPE(NON_TERMINAL_SIGN_ON) SUSPEND(YES) USERID_LENGTH(4) USERID
(MAAS) SCOPE_CHECK(NO) APPLID(CICSTEST)

TASK-04137 KE_NUM-002C TCB-0033C000 RET-8157F772 TIME-17:06:16.6975370000 INTERVAL-00.0000080000 =000186=

```
1-0000 00D80000 000000BF 00000000 00000000 BFB80202 80000000 02000100 00000000 *.Q.....*
0020 00000000 00000000 00000000 07000104 D4C1C1E2 40404040 40400000 00000000 *.....MAAS.....*
0040 00000000 00000000 00000000 00000000 00000000 00000000 00000200 *.....*
0060 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
0080 00000000 00000000 00000000 00000000 00000000 00000000 C3C9C3E2 E3C5E2E3 *.....CICSTEST*
00A0 00000000 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
00C0 00000000 00000000 00000000 00000000 00000000 00000000 *.....*
```

CICS Auxtrace: Bei Performance → Interval

Sehr unübersichtlich, zumal wenn man nur die Zeilen sucht, die einen Intervall Wert > 0.200 Sekunden haben

Viel Text verdeckt die Sicht auf die wichtigen Stellen im Trace

Die sollte man sich maskieren:

z.B. so:

```
DS 0004 DSSR ENTRY - FUNCTION(WAIT_OLDW) RESOURCE_NAME(SINGLE) RESOURCE_TYPE(EKWAIT) ECB_ADDRESS(0068B625) PURGEABLE(NO)
      WLM_WAIT_TYPE(MISC)

      TASK-04137 KE_NUM-002C TCB-0033C000 RET-817589C2 TIME-17:06:16.7101140000 INTERVAL-00.0014390000 =000255=
      1-0000 00600000 00000014 00000001 00000000 B3242000 00000000 07000101 01D1A595 *.-.....Jvn*
      0020 01D1A592 00E1B460 E2C9D5C7 D3C54040 40404040 40404040 C5D2C3E6 C1C9E340 *.Jvk...-SINGLE      EKWAIT *
      0040 00000000 00000000 0068B625 00000000 00020000 00000B00 00000000 00000000 *.....*


DS 0005 DSSR EXIT - FUNCTION(WAIT_OLDW) RESPONSE(OK)

      TASK-04137 KE_NUM-002C TCB-0033C000 RET-817589C2 TIME-17:06:30.1745770000 INTERVAL-00.2673990000* =00803=
      1-0000 00600000 00000014 00000001 00000000 B3242000 00000000 07000101 01D1A595 *.-.....Jvn*
CICS - AUXILIARY TRACE FROM 13/08/14 - APPLID CICSTEST                                     PAGE 00013

      0020 01D1A592 00E1B460 E2C9D5C7 D3C54040 40404040 40404040 C5D2C3E6 C1C9E340 *.Jvk...-SINGLE      EKWAIT *
      0040 00000000 00000000 0068B625 00000000 00020000 00000B00 00000000 00000000 *.....*
```

CICS Auxtrace komprimieren

Dies ist aber mühsam, wenn die Liste mehrere 100 Seiten groß ist.
Oder man analysiert die Liste per Programm:



```
AP 00E1 EIP -00,0012150 -04137 WAIT-EVENT REQ(0004) FIELD-A(0068B3F8 ...8) FIELD-B(08001202 ....)
SM 0401 SMSR-00,0000090 -04137 FUNCTION(INQUIRE_ACCESS) ELEMENT_ADDRESS(0068B624) ELEMENT_LENGTH(1)
SM 0402 SMSR-00,0000050 -04137 FUNCTION(INQUIRE_ACCESS) RESPONSE(OK) DSA_NAME(UDSA) ACCESS(USER)
DS 0004 DSSR-00,0014390 -04137 FUNCTION(WAIT_OLDW) RESOURCE_NAME(SINGLE) RESOURCE_TYPE(EKCWAIT) ECB_ADDRESS(0068B625) PUR
DS 0005 DSSR-00,2673990**-04137 FUNCTION(WAIT_OLDW) RESPONSE(OK)
AP 00E1 EIP -00,0000090 -04137 EXIT WAIT-EVENT OK REQ(00F4) FIELD-A(00000000 ....) FIELD-B(00001202 ....)
AP 00E1 EIP -00,0000150 -04137 ENTRY START REQ(0004) FIELD-A(0068B3F8 ...8) FIELD-B(08001008 ....)
XM 0401 XMLD-00,0000130 -04137 ENTRY - FUNCTION(WAIT_OLDW) TRANSACTION_ID(QTCL)
DD 0301 DDLO-00,0000070 -04137 ENTRY - FUNCTION(WAIT_OLDW) DIRECTORY_TOKEN(01400040) ENTRY_NAME(01A072B8) DIRECTORY_NAME(TXD ) NAME(
DD 0302 DDLO-00,0000120 -04137 EXIT - FUNCTION(WAIT_OLDW) RESPONSE(OK) DATA_TOKEN(01A204F0 , D7000000)
```

```
SM 0402 SMSR-00,0000050 -04137 EXIT - FUNCTION(INQUIRE_AC
DS 0004 DSSR-00,0014390 -04137 ENTRY - FUNCTION(WAIT_OLDW)
DS 0005 DSSR-00,2673990**-04137 EXIT - FUNCTION(WAIT_OLDW)
AP 00E1 EIP -00,0000090 -04137 EXIT WAIT-EVENT OK
AP 00E1 EIP -00,0000150 -04137 ENTRY START
```

- Die Liste kann man auch analysieren- per Programm die kritischen Zeilen suchen
- Oder Intervalle
- Oder Abbrüche
- Dann die Erkenntnisse nutzen um die Fehler zu finden.

- In unserem Fall war es die Kommunikation zwischen einem CICS Programm und einem C++ Programm.
- Unter Windows dauert ein TCP/IP Send aus z/VSE etwa 0,6 Sekunden bis der Wait gepostet wurde, der Send zu Linux dauert nur 0,02 Sekunden.
- Anders ausgedrückt: TCP SEND im z/VSE braucht 30 – fache Zeit wenn das Server Programm unter Windows läuft !!!
- Unter Windows XP gab es Parameter in der Registry die heute unter Windows 7 nicht mehr funktionieren: TcpDelAckTicks=0, TcpAckFrequency=1 (Disable), TcpNoDelay=1 (Disable)

- CICS Auxtrace Analyse
- ➔ ■ Refresh der IUI-Konsole anpassen
- IBM My Notification/APAR-Beschreibung
- Service Level bestimmen
- Request for Enhancement (RFE) Tool

Problem / Requirement (Herbsttagung 2013):

Wenn mehrere Benutzer den „Console Display“ (IUI-Konsole) aufrufen und massive Konsolmeldungen erzeugt werden, so wird im CICS TS der MXT-Wert (max. Anzahl der gleichzeitig laufenden Tasks) durch IECM erreicht und das System läuft extrem langsam.

Vorschlag zur Behebung des Problems:

Der Refresh sollte nur alle 3-10 Sekunden erfolgen.

→ dazu ist kein Requirement nötig,
denn das kann man bereits konfigurieren

Refresh der IUI-Konsole anpassen

- Default für Console Refresh ist 1 Sekunde

```
1=HLP 2=CPY 3=END 4=RTN 5=DEL 6=DELS 7=RED 8=CONT 9=EXPL 10=HLD 11=PCUU 12=RTRV
```

```
ACT_MSG:  HOLDRUN
```

```
PAUSE:  01  SCROLL:  1
```

```
MODE:  CONSOLE
```

- Temporäre Änderungen mit dem Konsolbefehl:

- **%set pause n** (n = Anzahl der Sekunden von 0 bis 99
0 ist nicht empfehlenswert!

(s. z/VSE Operation-Manual)

→ gilt nur für die jeweilige IUI-Konsole bis zum Verlassen bzw.
bei der Masterkonsole bis zum nächsten IPL

Refresh der IUI-Konsole anpassen

- Permanente Änderungen

mit Macro IJBDEF über IESEDEF.Z möglich

→ gilt dann für alle IUI-Konsolen

- Beschreibung finden Sie im „z/VSE Planning“ unter Console Support , speziell 3270 Console Support

bzw.

- Im „z/VSE Administration“ unter „Tailoring Console Definitions“

Dies kann geändert werden:

- PF Keys Settings
- Default Setting (z.B. MSG-Farben, PAUSE,...)
- Lokaler MSG-Text
- ...

Refresh der IUI-Konsole anpassen

- Änderung in IESEDEF.Z (aus IJSYSRS.SYSLIB kopieren):

```

*****
*           PF KEY DEFINITIONS                               *
*****
      IJBDEF PFKEY,1,C,'1=HLP',' ','%HELP'
      ...
      IJBDEF PFKEY,CLEAR,H,'CLEAR',' ','%CLEAR'
*
*****
*           CONSOLE PARAMETER SETTINGS                     *
*****
*
      IJBDEF DEFAULT,HOLD,RUN      (YES/RUN/NO) DEFAULT=YES   PN78356
      IJBDEF DEFAULT,ALARM,YES     (YES/NO)                   DEFAULT=YES
      IJBDEF DEFAULT,INFO,NONE     (NONE/TSTAMP/USERID) DEFAULT=NONE
      IJBDEF DEFAULT,PAUSE,1       (00 GE NN LE 99)           DEFAULT=1
      IJBDEF DEFAULT,SCROLL,1     (0 GE N LE 9)               DEFAULT=1
*
*****
*           GENERATE THE TABLES                             *
*****
      IJBDEF GEN,$IESEDEF,USER

```

- Assemblieren, als \$IESEDEF.Phase in IJSYSRS.SYSLIB abspeichern
- CICS neu starten

Refresh der UI-Konsole anpassen



Erhöhen Sie den Wert nicht zu stark, da sonst evtl. die Console Buffer (31-bit System Getvis) nicht für die auflaufenden Messages ausreichen.

Abfragen mit Konsolbefehl CORCMD (siehe Hints and Tips for z/VSE) :

```
corcmd status=queue
```

```
GETVIS for RI: Lim=0020 Cur=0000 ML: Lim=0028 Cur=0000
```

```
Non-returnable: RI=000000B5 ML=00000445 QMGEmpty: TIK=0055 Code=0001
```

```
Returnable RI: Lim=0064 Hi=0000 Cur=0000
```

```
Returnable ML: Lim=0064 Hi=0000 Cur=0000
```

```
Alert : Pct=0032 RI-Base=000000A7 RI-Pct=00000053
```

```
CRQ: Cur=008B Hi=00A7 MRQ: Cur=0000 Hi=0002 DYQ: Cur=000D Hi=000E
```

```
LRQ: Cur=0089 Hi=00A7 DHQ: Cur=0000 Hi=0001
```

```
ARQ: Cur=0000 Hi=0001 HCQ: Cur=0000 Hi=0001
```

```
FRQ: Cur=0000 Hi=0044 YRQ: Cur=000A Hi=000A XRQ: Cur=0012 Hi=0067
```

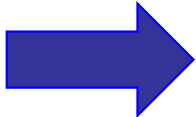
```
DOQ: Cur=0002 Hi=0002 XTQ: Cur=0000 Hi=0000 MOQ: Cur=0042 Hi=0000
```

```
MLQ: Cur=0016 Hi=0048 YMQ: Cur=000A Hi=000A XMQ: Cur=03F3 Hi=03F3
```

```
End of STATUS=QUEUE
```

→ Mit 2 Sekunden (+100%) testen und das Systemverhalten beobachten, speziell **MXT-Wert** und **Console Buffer**!

- Console Buffer können mit „CORCMD GVLIMxx= nnnn“ geändert werden.

- CICS Auxtrace Analyse
- Refresh der IUI-Konsole anpassen
-  ■ IBM My Notification/APAR-Beschreibung
- Service Level bestimmen
- Request for Enhancement (RFE) Tool

IBM My Notification/APAR-Beschreibung

Wöchentliche IBM Support-Benachrichtigungen



IBM My notifications - System z
IBM My Notifications to: Dagmar Kruse

12.10.2014 17:59

Meine Benachrichtigungen für System z - 12 Oct 2014

Sehr geehrter Abonnent (dkruse@de.ibm.com),

Hier finden Sie Ihre wöchentlichen E-Mail-Benachrichtigungen für Ihre Abonnements bei "Meine Benachrichtigungen" von IBM.

1. z/VM family: APARs (Authorized Program Analysis Reports)

- TITLE: LI78158: EDEV SCSI FULL-VOLUME REGIONS START FROM 1 INSTEAD OF 32
- Title: LI78158: EDEV SCSI FULL-VOLUME REGIONEN START VON 1 INSTEAD OF 32
- URL:

<http://www.ibm.com/support/docview.wss?uid=isglLI78158&myns=z000&mynp=OCSWGA0&mync=E>

- ABSTRACT: When a full-volume region is defined on an EDEV volume, Wave starts that region at 1 when it should be 32.

2. z/VSE family: APARs (Authorized Program Analysis Reports)

IBM My Notification/APAR-Beschreibung

Die Nachrichten abonnieren Sie kostenfrei über
<https://www.ibm.com/support/mynotifications>

The screenshot displays the IBM Support-Portal interface. The main page includes a navigation bar with links for 'Lösungen', 'Services', 'Produkte', 'Support & Downloads', and 'Meine IBM'. Below the navigation bar, there is a 'Support-Portal' header with a 'Award Winner 2014' badge. A search bar is present with the text 'Produktsuche:' and 'Support-Suche:'. The page is divided into sections: 'Meine Unterstützungsprogramme' (with links like 'Anmeldung für Zugriff', 'Accelerated Value Program', 'IBM Call Home', 'Wartungs- und technische Unterstützung', 'Meine Verträge', 'Mein Inventar'), 'Allgemeine Unterstützung - Links' (with links like 'Sign in', 'Service requests & PMRs', 'ESC+ for hardware and firmware service requests', 'Support registrations', 'Directory of worldwide contacts', 'Site assistance', 'Current site availability'), and a footer with various categories like 'Informationen für', 'über IBM', 'Online kaufen', 'Mit uns vernetzen', 'Aktuelle Themen', and 'Meistgesuchte Links'.

An inset window shows the 'IBM Identität' login page. It features the text 'Ein Schlüssel, viele Möglichkeiten.' and 'Anmelden'. There are input fields for an email address (dkruse@de.ibm.com) and a password. A 'Kennwort vergessen?' link is also visible. Below the login fields is a button 'Anmelden' and a button 'Erstellen Sie eine IBM Identität'. In the 'Allgemeine Unterstützung - Links' section of the main page, the 'Support registrations' link is circled, and an arrow points from this link to the inset window.

IBM My Notification/APAR-Beschreibung

The image displays two screenshots of the IBM My Notification website interface. The left screenshot shows the main navigation menu with options like 'Lösungen', 'Services', 'Produkte', and 'Support'. Below this, there's a section for 'Meine Benachrichtigungen' (My Notifications) with buttons for 'Meine Abonnements' (My Subscriptions) and 'Abonnieren' (Subscribe). A list of product categories is visible, including 'Systems' (PureFlex System, BladeCenter, Power, System i, System p, System x, System z, System Blue Gene, IntelliStation Pro, IBM Monitors) and 'Software' (Informatica, Clarity, Cognos, OpenP, PureData, SPSS, ShowC). The right screenshot shows a detailed view of the subscription process, listing various product families with checkboxes. A green box highlights the 'z/VM family' and 'z/VSE family' options. A text box on the right states: 'Sie können APARs, FIXES (HIPER), Technische Hinweise, ... abonnieren.' (You can subscribe to APARs, FIXES (HIPER), Technical Hints, ...).

IBM My Notification/APAR-Beschreibung

Wöchentliche IBM Support-Benachrichtigungen



IBM My notifications - System z
IBM My Notifications to: Dagmar Kruse

12.10.2014 17:59

Meine Benachrichtigungen für System z - 12 Oct 2014

Sehr geehrter Abonnent (dkruse@de.ibm.com),

Hier finden Sie Ihre wöchentlichen E-Mail-Benachrichtigungen für Ihre Abonnements bei "Meine Benachrichtigungen" von IBM.

...

1. z/VM family: APARs (Authorized Program Analysis Reports)

- TITLE: LI78158: EDEV SCSI FULL-VOLUME REGIONS START FROM 1 INSTEAD OF 32

- Title: LI78158: EDEV SCSI FULL-VOLUME REGIONEN START VON 1 INSTEAD OF 32

- URL:

<http://www.ibm.com/support/docview.wss?uid=isglLI78158&myns=z000&mynp=OCSWGA0&mync=E>

- ABSTRACT: When a full-volume region is defined on an EDEV volume, Wave starts that region at 1 when it should be 32.

...

2. z/VSE family: APARs (Authorized Program Analysis Reports)

...

IBM My Notification/APAR-Beschreibung

LI78158: EDEV SCSI FULL-VOLUME REGIONS START FROM 1 INSTEAD OF 32

APAR status

Closed as program error.

Error description

When a full-volume region is defined on an EDEV volume, Wave starts that region at 1 when it should be 32.

→ APAR ist noch nicht verfügbar !

- Die Benachrichtigung wird bei Statusänderung eines APARs wie Open oder Close angestoßen. Mit dem „Close“ eines APARs beginnt erst der Prozess zur Bereitstellung der entsprechenden PTFs über IBM Shopz.

Es kann etwas dauern, bis das APAR tatsächlich über IBM Shopz bestellbar ist.

→ APAR Beschreibung wird dann ergänzt:

A fix is available

[Obtain the fix for this APAR.](#)

→ APAR kann jetzt bestellt werden!

APAR status

Closed as program error.

Achten Sie darauf für welches z/VSE-Release das APAR ist !

- CICS Auxtrace Analyse
- Refresh der IUI-Konsole anpassen
- IBM My Notification/APAR-Beschreibung
- Service Level bestimmen
- Request for Enhancement (RFE) Tool

Service-Level bestimmen

- Den Service-Level Ihres z/VSE-Systems sollten Sie **mit Hilfe der APAR-Nummern** und nicht anhand der PTF-Nummern **bestimmen!**
- Grund:
APAR1 wird gelöst durch PTF1
APAR2 wird gelöst durch PTF2 und PTF2 „superseded“ PTF1
Sie bestellen PTF2 und PTF1 → es wird nur PTF2 eingespielt,
da PTF1 „superseded“ wurde
nach Installation von PTF2 zeigt der MSHP Retrace
PTF2 phase1 APAR2
phase2 APAR1
phase3

→ PTF1 ist **nicht** installiert, aber Fix für APAR1 ist vorhanden!

→ Suchen Sie also nicht nach den PTFs, sondern immer nach den APARs, z.B. mit „Lookup PTF/APAR“-Dialog

- CICS Auxtrace Analyse
- Refresh der IUI-Konsole anpassen
- IBM My Notification/APAR-Beschreibung
- Service Level bestimmen
- ➔ ■ Request for Enhancement (RFE) Tool

IBM Request for Enhancement (RFE) Community

- Die Requirements für **CICS TS for VSE** sind seit Nov. 2012 im Internet
(s. VS07 in Leipzig 2013)
- Jetzt stehen auch die Requirements für **z/VSE** im Internet in der
„**IBM RFE Community**“: <http://www.ibm.com/developerworks/rfe/>
- **JEDER** kann dort Mitglied werden – **KOSTENFREI**
 - Registrieren mit Email-Adresse = „IBM ID“ und Passwort
<https://www.ibm.com/developerworks/dwwi/jsp/Register.jsp>

Und dann

- Öffentliche Requirements ansehen, kommentieren und dafür „voten“
Oder
 - neue Requirements stellen
→ Ingolf Salm wird als “Owner” automatisch benachrichtigt.
- Hilfreich sind dabei die Hinweise auf der
z/VSE-Homepage unter „Contact z/VSE“

Request for Enhancement (RFE) Tool

The image displays two screenshots of a web browser showing the IBM z/VSE Request for Enhancement (RFE) tool interface.

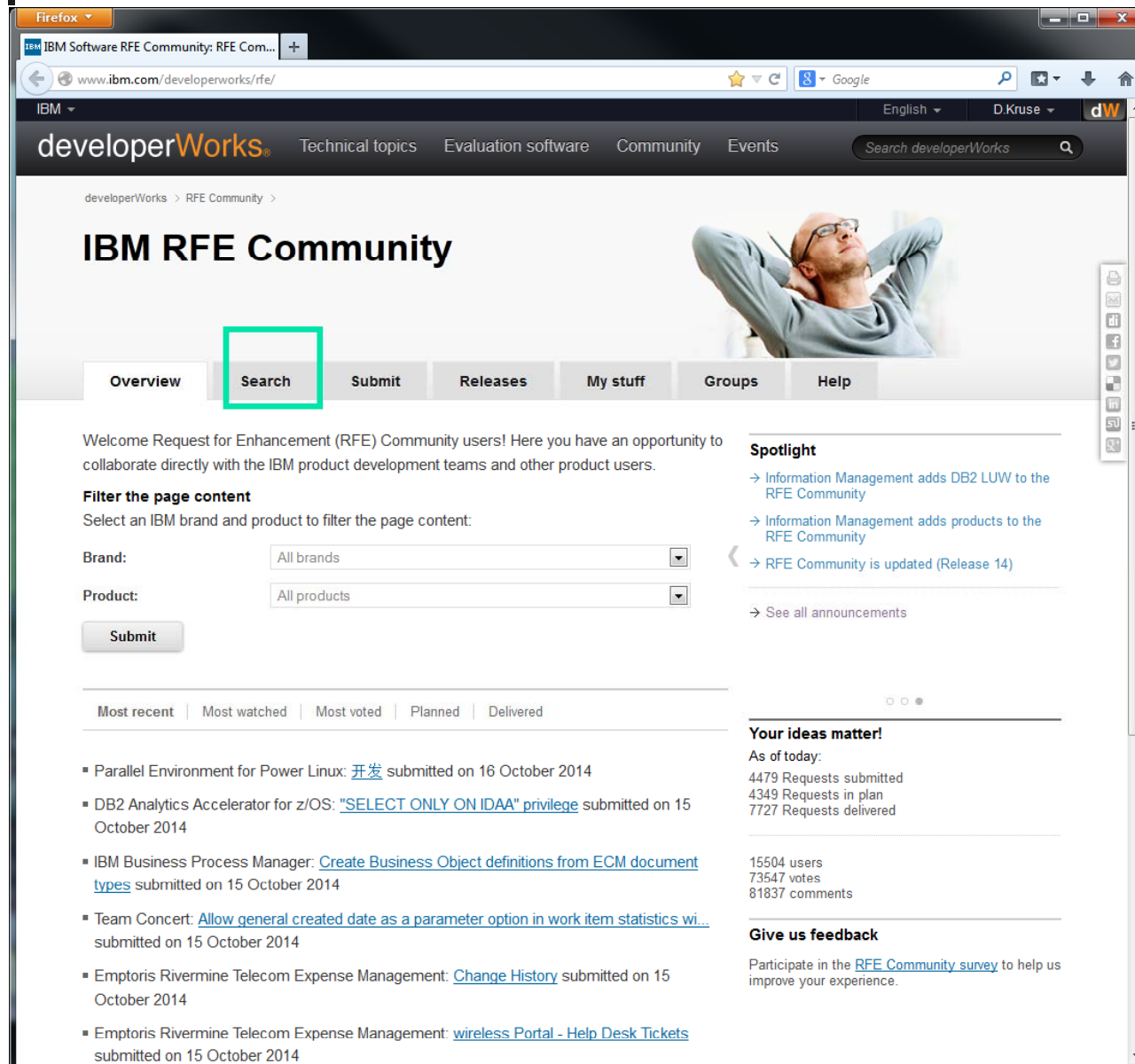
Left Screenshot (Contact z/VSE page):

- URL: <https://www-03.ibm.com/systems/z/os/zvse/contact/requirement.html>
- Page Title: **Contact z/VSE**
- Buttons: [Send questions or comments](#), [Submit a requirement](#)
- Section: **Send us your requirements**
- Text: "If you think that a function or feature is missing in z/VSE, z/VSE related product page, please submit your requirement through the [Request for Enhancement](#)..."
- Text: "You can also search and browse for requirements that others have submitted the status off your own requirements. The requirement that have been submitted z/VSE requirements form or through conferences are also available in the RFE [note](#) for requirements to express your interest on the requirement."
- Link: [Request for Enhancement \(RFE\) tool](#)
- Section: **For z/VSE requirements please select the following:**
 - Brand = *Servers and System Software*
 - Product family = *zSeries Software*
 - Product = *z/VSE*
 - Component = *You may choose the component*
 - Operating system = *IBM z/VSE*
- Section: **For CICS Transaction Server requirements please select the following:**
 - Brand = *WebSphere*
 - Product family = *Transaction Processing*
 - Product = *CICS Transaction Server*
 - Component = *Runtime or Explorer*
 - Operating system = *IBM z/VSE*

Right Screenshot (Request for Enhancement (RFE) tool page):

- URL: <https://www-03.ibm.com/systems/z/>
- Page Title: **Request for Enhancement (RFE) tool** (highlighted in a green box)
- Section: **For z/VSE requirements please select the following:**
 - Brand = *Servers and System Software*
 - Product family = *zSeries Software*
 - Product = *z/VSE*
 - Component = *You may choose the component*
 - Operating system = *IBM z/VSE*
- Section: **For CICS Transaction Server requirements please select the following:**
 - Brand = *WebSphere*
 - Product family = *Transaction Processing*
 - Product = *CICS Transaction Server*
 - Component = *Runtime or Explorer*
 - Operating system = *IBM z/VSE*

Request for Enhancement (RFE) Tool



Firefox

IBM Software RFE Community: RFE Com...

www.ibm.com/developerworks/rfe/

IBM

English D Kruse dw

developerWorks Technical topics Evaluation software Community Events Search developerWorks

developerWorks > RFE Community >

IBM RFE Community

Overview **Search** Submit Releases My stuff Groups Help

Welcome Request for Enhancement (RFE) Community users! Here you have an opportunity to collaborate directly with the IBM product development teams and other product users.

Filter the page content

Select an IBM brand and product to filter the page content:

Brand: All brands

Product: All products

Submit

Most recent | Most watched | Most voted | Planned | Delivered

- Parallel Environment for Power Linux: [开发](#) submitted on 16 October 2014
- DB2 Analytics Accelerator for z/OS: ["SELECT ONLY ON IDAA" privilege](#) submitted on 15 October 2014
- IBM Business Process Manager: [Create Business Object definitions from ECM document types](#) submitted on 15 October 2014
- Team Concert: [Allow general created date as a parameter option in work item statistics wi...](#) submitted on 15 October 2014
- Emptoris Rivermine Telecom Expense Management: [Change History](#) submitted on 15 October 2014
- Emptoris Rivermine Telecom Expense Management: [wireless Portal - Help Desk Tickets](#) submitted on 15 October 2014

Spotlight

- Information Management adds DB2 LUW to the RFE Community
- Information Management adds products to the RFE Community
- RFE Community is updated (Release 14)
- See all announcements

Your ideas matter!

As of today:

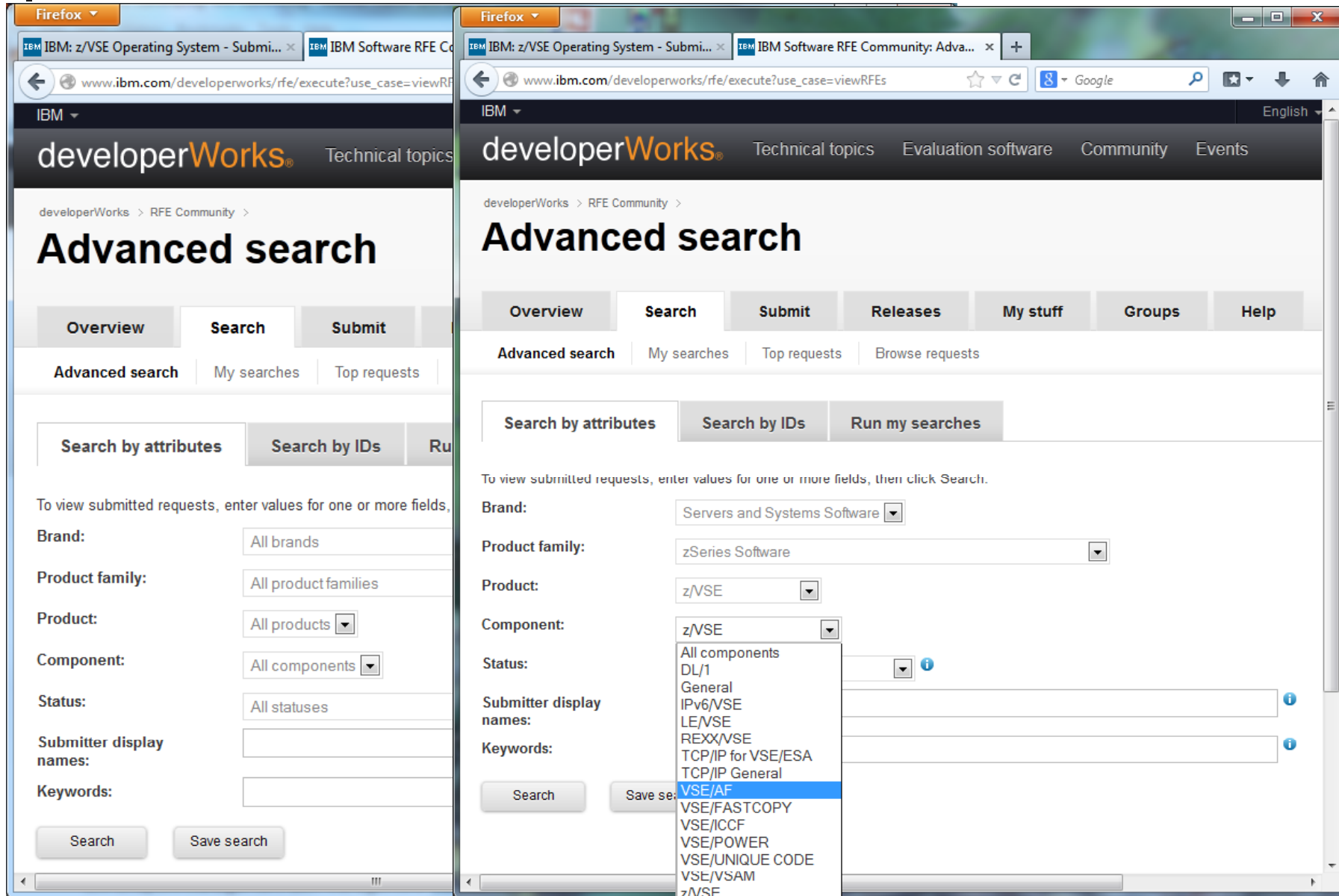
- 4479 Requests submitted
- 4349 Requests in plan
- 7727 Requests delivered

15504 users
73547 votes
81837 comments

Give us feedback

Participate in the [RFE Community survey](#) to help us improve your experience.

Request for Enhancement (RFE) Tool



The image displays two side-by-side screenshots of the IBM developerWorks RFE tool interface in a Firefox browser window.

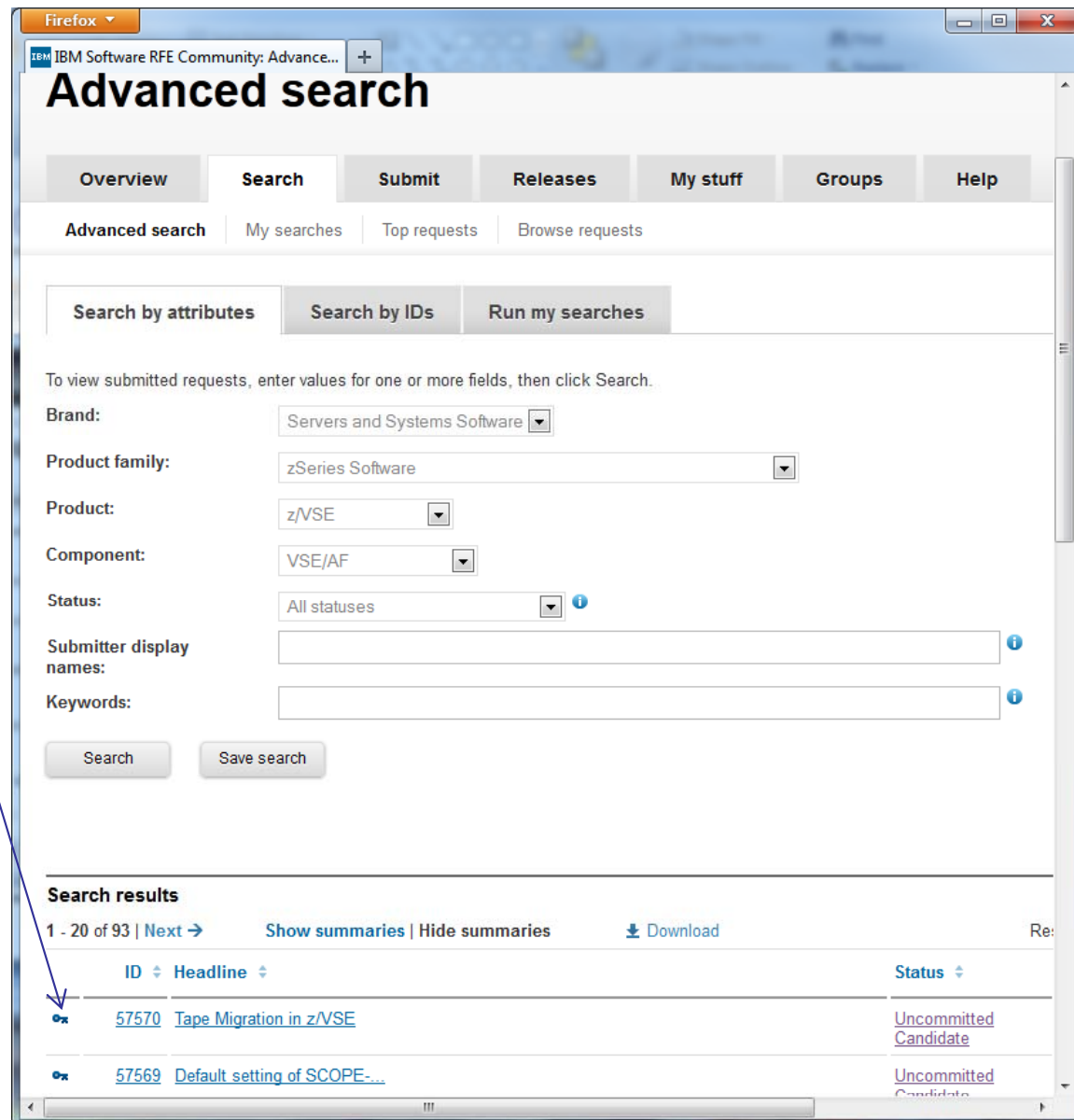
Left Screenshot: Shows the 'Advanced search' page. The navigation bar includes 'Overview', 'Search', and 'Submit'. Below the navigation, there are tabs for 'Advanced search', 'My searches', and 'Top requests'. The search filters section includes:

- Brand: All brands
- Product family: All product families
- Product: All products
- Component: All components
- Status: All statuses
- Submitter display names: (empty)
- Keywords: (empty)

Right Screenshot: Shows the same page with the 'Component' dropdown menu open. The menu lists the following options:

- All components
- DL/1
- General
- IPv6/VSE
- LE/VSE
- REXX/VSE
- TCP/IP for VSE/ESA
- TCP/IP General
- VSE/AF** (highlighted)
- VSE/FASTCOPY
- VSE/ICCF
- VSE/POWER
- VSE/UNIQUE CODE
- VSE/VSAM
- z/VSE

Request for Enhancement (RFE) Tool



Advanced search

Overview Search Submit Releases My stuff Groups Help

Advanced search My searches Top requests Browse requests

Search by attributes Search by IDs Run my searches

To view submitted requests, enter values for one or more fields, then click Search.

Brand: Servers and Systems Software

Product family: zSeries Software

Product: z/VSE

Component: VSE/AF

Status: All statuses

Submitter display names:

Keywords:

Search Save search

Search results

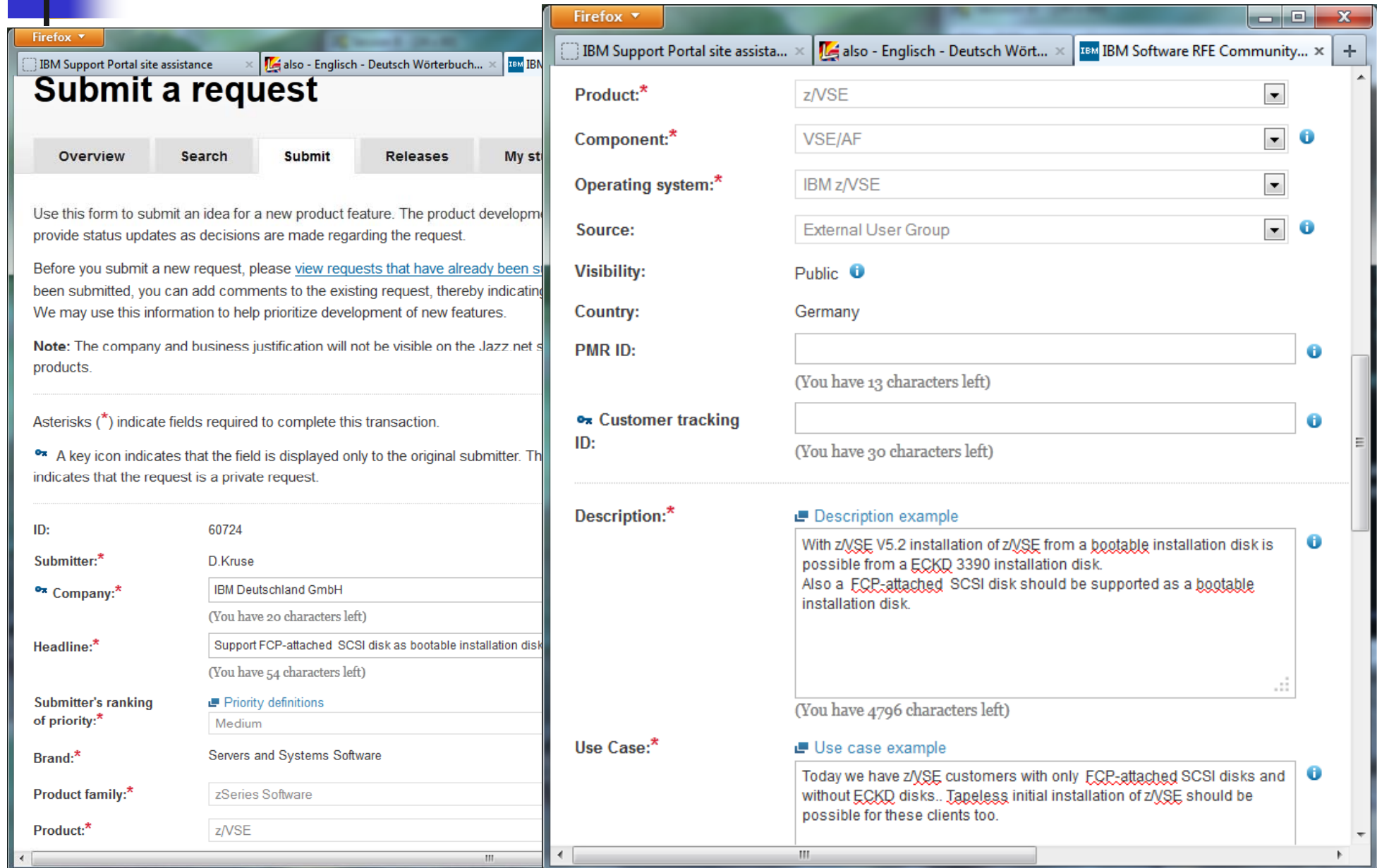
1 - 20 of 93 | Next → Show summaries | Hide summaries Download

ID	Headline	Status
57570	Tape Migration in z/VSE	Uncommitted Candidate
57569	Default setting of SCOPE-...	Uncommitted Candidate

Sind nicht öffentlich!

Nur öffentliche Requirements können Sie ansehen, kommentieren und „voten“!

Request for Enhancement (RFE) Tool



Submit a request

Overview Search **Submit** Releases My st

Use this form to submit an idea for a new product feature. The product development provide status updates as decisions are made regarding the request.

Before you submit a new request, please [view requests that have already been submitted](#), you can add comments to the existing request, thereby indicating We may use this information to help prioritize development of new features.

Note: The company and business justification will not be visible on the Jazz.net products.

Asterisks (*) indicate fields required to complete this transaction.

☞ A key icon indicates that the field is displayed only to the original submitter. The indicates that the request is a private request.

ID: 60724

Submitter*: D.Kruse

☞ Company*: IBM Deutschland GmbH
(You have 20 characters left)

Headline*: Support FCP-attached SCSI disk as bootable installation disk
(You have 54 characters left)

Submitter's ranking of priority*: [Priority definitions](#)
Medium

Brand*: Servers and Systems Software

Product family*: zSeries Software

Product*: z/VSE

Product*: z/VSE

Component*: VSE/AF

Operating system*: IBM z/VSE

Source: External User Group

Visibility: Public

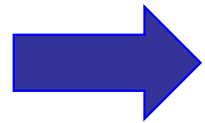
Country: Germany

PMR ID:
(You have 13 characters left)

☞ Customer tracking ID:
(You have 30 characters left)

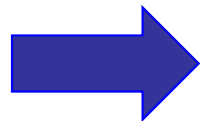
Description*: [Description example](#)
With z/VSE V5.2 installation of z/VSE from a bootable installation disk is possible from a ECKD 3390 installation disk. Also a FCP-attached SCSI disk should be supported as a bootable installation disk.
(You have 4796 characters left)

Use Case*: [Use case example](#)
Today we have z/VSE customers with only FCP-attached SCSI disks and without ECKD disks. Tapeless initial installation of z/VSE should be possible for these clients too.

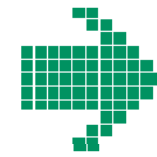
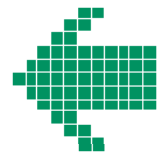


Die Dringlichkeit eines Requirements unterstützen Sie durch

- anklicken (ansehen, evtl. kommentieren)
- und
- „voten“ !



Stellen Sie Requirements !



Haben Sie Requirements?

Fragen?

**Themenvorschläge
für die nächste Tagung?**

**Vielen Dank
für Ihre
Aufmerksamkeit !**