



e-business



What's new in ShopzSeries

Overview for a VSE customer

Ingo Franzki

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VSE/ESA Development



e-business



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Agenda

- ShopzSeries
 - ▶ VSE operating system package
 - ▶ Optional Products

- zSeries Support Portal
 - ▶ PTFs

- Recommended Service Level (RSL)



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What is ShopzSeries ?

- IBM's productivity tool for planning and ordering zSeries software.
- With ShopzSeries you can:
 - ▶ order tailored product and service packages for z/OS, z/OS.e and OS/390
 - ▶ order tailored **product packages** for z/VM, VM/ESA and **VSE/ESA**
 - ▶ review your software licenses in all of these environments
 - ▶ plan for future upgrades.
- URL:
 - ▶ www.ibm.com/software/shopzseries



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What is ShopzSeries for a VSE customer?

- Order **VSE/ESA Operating System package**
 - ▶ for base install
 - ▶ for Fast Service Upgrade
 - ▶ ShopzSeries will check for existing licenses
- Order **optional products** for VSE/ESA
 - ▶ choose from a large product catalog
- View your **license inventory**



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What's new in ShopzSeries?

- New delivery media starting with VSE/ESA 2.7.2
 - ▶ **CD-ROM**
 - VSE customers in US and selected EMEA countries
 - ▶ **Download** from the Internet (eDelivery)
 - ▶ And also on Cartridge (as before)

Ordering	Traditional way	ShopzSeries
Media	- Cartridge - CD-ROM	- Cartridge - CD-ROM - eDelivery



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VSE/ESA for IBM eServer zSeries mainframe servers - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://www-1.ibm.com/servers/eserver/zseries/os/vse/>

IBM Search

Home | Products & services | Support & downloads | My account

Servers > Mainframe servers > Operating systems >

VSE/ESA

VSE/ESA

- Software
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- Solutions
- Service and support
- Downloads
- Library
- Education
- e-business
- Customer
- Partners
- Site map
- Contact VSE

Related links:

- [ShopzSeries](#)

VSE/ESA Security

Have you seen the new "[VSE/ESA Security](#)" web page? You will find a link in the "Related Information" section on the lower right of this home page.

The link takes you to a new security page that contains information on topics such as

- Base VSE/ESA security
- Security planning and administration
- Related hardware features, including PCICA assist
- CICS Transaction Server for VSE/ESA security hints and tips
- TCP/IP and Secure Sockets Layer (SSL)

We hope this central source of security information will be helpful. Send your comments, suggestions or questions to the [VSE team](#).

Additional news

- [Updated MQSeries for VSE/ESA 2.1.2 System Management Guide \(GC34-5364-04\) available](#)
- [How to get VSE/ESA 2.6.3 ?](#)
- [VSE/ESA 2.7.1 now available](#)

Announcing

Infrastructure simplification

→ [Make it happen with IBM eServer zSeries and BladeCenter](#)

Spotlights

- [IBM @server zSeries](#)
- [IBM @server zSeries 800](#)

Link of the Month

- [HiperSockets](#)

Downloads

- [Check the e-business Connector News](#)

Related information

- [VSE/ESA Performance](#)

<http://www.ibm.com/software/shopzseries> Internet



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IBM Software ShopzSeries - Microsoft Internet Explorer

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Address <https://www14.software.ibm.com/webapp/ShopzSeries/ShopzSeries.jsp>

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Related links:

- Warranty info
- zSeries home
- zSeries software
- Operating systems
- Packaged offerings
- Enhanced HOLDDATA
- zVM and Linux
- Resource Link
- IBM Software home
- Publications center

Welcome to ShopzSeries, IBM's productivity tool for planning and ordering zSeries software. With ShopzSeries you can:

- order tailored product and service packages for z/OS, z/OS.e and OS/390,
- order tailored product packages for zVM, VM/ESA and VSE/ESA,
- review your software licenses in all of these environments, and
- plan for future upgrades.

Note: Product ordering is currently limited to the US and Western Europe.

You can learn more about ShopzSeries by reading the online [users' guide](#), or better yet, relax and watch the instructional [video clips](#).

My ShopzSeries

- Register

If you do not have a ShopzSeries ID, register for one now.

Sign in

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<https://www14.software.ibm.com/webapp/ShopzSeries/ShopzSeries.jsp?action=movies>

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Sign in

User ID (case sensitive)

Password (case sensitive)

[Forgot password?](#)

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<https://www14.software.ibm.com/webapp/ShopzSeries/ShopzSeries.jsp?action=resetpw> Internet



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ShopzSeries

ShopzSeries

- My orders
- My profile
- My hardware systems
- My licensed software
- My installed software

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Related links:

- Warranty info
- zSeries home
- zSeries software
- Operating systems
- Packaged offerings
- Enhanced HOLDDATA
- zVM and Linux
- Resource Link
- IBM Software home
- Publications center

Welcome to ShopzSeries! The major features of ShopzSeries are explained below. You can link to them directly from the left navigation area.

My orders lets you manage all of your software orders. You can:

- [create new software orders](#) for service or products,
- continue preparing [draft orders](#) that you haven't submitted yet,
- track, process and download [in process orders](#), and
- review your [completed orders](#) which are retained indefinitely for your reference.

My hardware systems lets you review the details of your hardware systems and provide your own nicknames for them.

My licensed software lets you view your software licenses in a variety of report formats.

My installed software lets you manage the installed software reports that you provide ShopzSeries so that it can tailor your software orders to your current environment.

My ShopzSeries

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Remember to sign out when you are finished.

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Address <https://www14.software.ibm.com/webapp/ShopzSeries/ShopzSeries.jsp?action=orders> Links >>

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My orders

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Create new order | Draft orders | In process | Completed

You can create orders for planning and research, but you are not authorized to submit them.

To begin the software ordering process, select the appropriate values below and press **Continue**.

Customer number: 997734

Operating environment: VSE/ESA

Package category: z/OS & OS/390, z/OS.e, z/VM & VM/ESA, **VSE/ESA**

My ShopzSeries

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Tip

- Learn about the packages you can order with ShopzSeries.

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Create new order | Draft orders | In process | Completed

You can create orders for planning and research, but you are not authorized to submit them.

To begin the software ordering process, select the appropriate values below and press **Continue**.

Customer number

Operating environment

Package category

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Step 1 of 7: Specify order basics

You are not authorized to submit orders.

Review and specify the basic details of your order.

Order name

Customer number 997734

Operating environment VSE/ESA

Package category Products

Package type products (VSE SIPO)

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<https://www14.software.ibm.com/webapp/ShopzSeries/ShopzSeries.jsp?action=orderSystems> Internet



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Step 2 of 7: Select hardware systems

My VSE Order

Select the system(s) on which you plan to run the software you are ordering.

Hardware systems for customer number 997734

Aggregation	Nickname	Designated machine / Description		
		Type-model	Serial no.	System no.
None	<input checked="" type="checkbox"/> 20642099820	20642099820 / IBM zSeries 900		
		2064-116	99820	DSLAB
	<input checked="" type="checkbox"/> 90215152979	90215152979 / no description available		
		?	?	?
	<input checked="" type="checkbox"/> 96725165998	96725165998 / S/390 Processor		
	9672-RX4	65998	DOROT	
	<input checked="" type="checkbox"/> 96725167176	96725167176 / no description available		
		?	?	?
	<input type="checkbox"/> unlisted	To order software for unlisted hardware systems, select this choice and provide the system details below.		

Is the system information for your selected systems complete and accurate?
 Yes No
If not, please explain

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Tip

Save your order periodically to avoid losing work if your session times out.

Tip

[→ Assign nicknames to your hardware systems.](#)



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Step 3 of 7: Shop for products

My VSE Order

Select a view of the product catalog to add products. Repeat the process with other views, and then continue to the next step to review the complete contents of your order.

Products in order: 0

Catalog view

Group

Language

Filter

[Show catalog](#)

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Step 3 of 7: Shop for products

My VSE Order

Select a view of the product catalog to add products. Repeat the process with other views, and then continue to the next step to review the complete contents of your order.

Products in order: 0

Catalog view

Group	Select one
Language	VSE - BASE PRODUCTS - MANDATORY (4 Products)
Filter	VSE - VSE BASE PRODUCTS (14 Products)
	VSE - OPTIONAL VSE/ESA BASE FEATUR (33 Products)
	VSE - SYSTEM CONTROL & NETWORKING (1 Product)
	VSE - DATABASE and UTILITIES (5 Products)
	VSE - NETWORK CONTROL - CURRENT (4 Products)
	VSE - LANGUAGES and COMPILERS (13 Products)
	VSE - APPLICATION DEVELOPMENT (5 Products)
	VSE - DP AND BUSINESS PROF. SUPPORT (12 Products)
	VSE - ADVANCED FUNCTION PRINTING (8 Products)
	VSE - All (99 Products)

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Step 3 of 7: Shop for products

My VSE Order

Select a view of the product catalog to add products. Repeat the process with other views, and then continue to the next step to review the complete contents of your order.

Products in order: 0

Catalog view

Group: VSE - All (99 Products)

Language: English (US)

Filter: Show all products

[Show catalog](#)

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Step 3 of 7: Shop for products

My VSE Order

Select a view of the product catalog to add products. Repeat the process with other views, and then continue to the next step to review the complete contents of your order.

Products in order: 0

Catalog view (Products in this view: 58)

Group:

Language:

Filter:

[Show catalog](#)

VSE: BASE PRODUCTS - MANDATORY

<input type="checkbox"/>	● ◆	[5686-066]	Central Functions	6.07.00	English (US)
<input type="checkbox"/>	● ◆	[5696-234]	High Level Assembler for VSE	1.04.00	English (US)

VSE: VSE BASE PRODUCTS

<input type="checkbox"/>	● ◆	[5686-066]	VSE/ESA Service Option 2.6.3	6.07.00	English (US)
<input type="checkbox"/>	● ◆	[5686-094]	IBM LE 1.4 for VSE	1.04.03	English (US)
<input type="checkbox"/>	○ ◆	[5648-054]	CICS TS for VSE/ESA	1.01.01	English (US)
<input type="checkbox"/>	● ◆	[5686-065]	ACF/MTAM VSE Client/Server	4.02.00	English (US)

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Product legend

Ordering controls

- Product included in order
- Product not included in order
- Product included in order
- Product not included in order

Install status in uploaded report

- = Product already installed
- ↑ Upgrade to an installed product
- ↓ Downgrade to an installed product
- + Product not installed at any level

[These icons are only displayed when an installed software report is available.](#)

License status on selected systems

- Product licensed on all systems
- ◐ Product licensed on some systems
- Product not licensed on any systems
- ? Product license state unknown
- × Product is not orderable

[Review all of your software licenses on the **My licensed software** page.](#)
[Find information on correcting license discrepancies on the **Customer service** page.](#)

Internet deliverability

- ◆ Product is available for 100% Internet delivery. These products may include some materials (e.g. CD-ROMs) which may still be shipped physically. If you require 100% electronic delivery, you may specify this, but additional user actions may be required for installation (e.g. burning the CD-ROMs from your workstation using your own CD writer and software).
- ◆ Product is available for partial Internet delivery. Some items must be shipped physically.
- ◇ Product is not available for Internet delivery.



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<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	[5746-XX1]	DLI DOS VS	1.10.00	English (US)
VSE: NETWORK CONTROL - CURRENT						
<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	[5648-063]	ACF/NCP V7 VSE	7.08.01	English (US)
<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	[5686-064]	ACF/SSP Version 4 VSE	4.08.01	English (US)
<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	[5688-035]	X.25 NPSI V3 Basic Material	3.09.00	English (US)
<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	[5735-XXB]	EP V1 for ACF/NCP 7	1.14.00	English (US)
VSE: LANGUAGES and COMPILERS						
<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	[5686-A01]	C for VSE Full Func.	1.01.00	English (US)
<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	[5686-A01]	C for VSE Alt. Func.	1.01.00	English (US)
<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	[5686-069]	IBM PL/I VSE/ESA Full Funct.	1.01.00	English (US)
<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	[5686-069]	IBM PL/I VSE/ESA Alt Func	1.01.00	English (US)
<input checked="" type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	[5686-068]	IBM COBOL VSE/ESA Full Funct	1.01.00	English (US)
<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	[5686-068]	IBM COBOL VSE/ESA Alt Func	1.01.00	English (US)
<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	[5648-B02]	VAGen Server VSE V1.2	1.02.00	English (US)
<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	[5746-RG1]	RPG II Compiler	1.03.00	English (US)
<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	[5686-A07]	CCCA VSE V2R1	2.01.00	English (US)
VSE: APPLICATION DEVELOPMENT						
<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	[5686-A06]	IBM MQSeries for VSE/ESA	2.01.02	English (US)
<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	[5746-XXT]	SDF II VSE BASE	1.06.00	English (US)
VSE: DP AND BUSINESS PROF.SUPPORT						
<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	[5686-057]	GDDM/VSE Version 3	3.02.00	English (US)
<input type="checkbox"/>	<input type="radio"/>	<input type="radio"/>	[5688-8011]	GDDM IMD V2	2.01.03	English (US)

<http://www.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&subtype=sm&appname=ShopzSeries&htmlfid=877> Internet



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Address <http://www-306.ibm.com/common/ssi/cgi-bin/ssialias?infotype=dd&subtype=sm&appname=ShopzSeries&htmlfid=877/ENU55686-068> Links >>

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5686-068 IBM COBOL for VSE/ESA Version 1

Table of Contents	Trademarks	Document Options
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Abstract

IBM COBOL for VSE/ESA extends IBM strategic COBOL technology in the VSE/ESA environment. The COBOL compiler provides a rich set of intrinsic functions, including date handling with four-digit year support, string handling, financial capabilities, statistical functions, and mathematical formulas

Highlights

The advanced technology of IBM COBOL for VSE/ESA provides:

- Reduced maintenance costs
- Increased longevity
- Increased development flexibility

Description



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IBM Software ShopzSeries - My current order - Microsoft Internet Explorer

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Step 4 of 7: Specify order contents

My VSE Order

→ Select a country

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Products in order: 1 [Add products](#)

Your order contains bypassable requisites.
[Re-analyze your order if you change it](#)

VSE: LANGUAGES and COMPILERS

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	[5686-068]	IBM COBOL VSE/ESA Full Funct	1.01.00	English (US)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	[5686-066]	Central Functions	6.07.00	English (US)

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Step 5 of 7: Select new licenses

My VSE Order

Select any additional licenses you would like to order.

[5686-068] IBM COBOL VSE/ESA Full Funct

- 20642099820
- 90215152979
- 96725165998
- 96725167176

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Step 6 of 7: Specify delivery options

My VSE Order

Specify how you would like your order delivered.

Delivery media
Internet delivery is available for this order, but some materials must be sent physically. If you require 100% Internet delivery, you can remove partially eligible products (those marked with ▼) from your order.

Preferred media

- Select one
- Internet
- 3590 Tape Cartridge
- 3480 Compressed Tape
- CD-ROM

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Tip
→ Learn about the prerequisites for Internet delivery.

Tip
Learn how to permanently change your shipping address.

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Step 6 of 7: Specify delivery options

My VSE Order

Specify how you would like your order delivered.

Delivery media

Preferred media Go

Some of the products in this order may contain materials which may be shipped physically.

Do not ship any physical materials, I require 100% Internet delivery.

Shipping address

Select an address from the following list and press Go

Go

Name	IBM Deutschland Entwickl. GmbH
Name2	EL HD Microcode Design Unter
Name3	
Name4	71032-03-0084, Order
Address	Schönaicher Str. 220
Address2	
P.O. box	
P.O. box postal code	
City	Böblingen
State/Province/Territory	
Postal code	71032
Country	Germany

Special instructions

Special instructions may delay your order.

Special instructions may delay your order.

My ShopzSeries

Welcome
Ingo Franzki

→ Sign out
→ Edit profile

Tip

→ Learn about the prerequisites for Internet delivery.

Tip

Learn how to permanently change your shipping address.

<http://www.ibm.com/support/de/> Internet



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IBM Software ShopzSeries - My current order - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <https://www14.software.ibm.com/webapp/ShopzSeries/ShopzSeries.jsp>

Germany Search

Home | Products & services | Support & downloads | My account

ShopzSeries > My current order >

Step 7 of 7: Review and submit

My VSE Order

Your order is ready to be submitted for **fulfillment**. Please review it and press **Submit** at the bottom of the page.
All electronically enabled publications for this order will be provided via the Internet.
Your order contains bypassable requisites.

Order basics

Order name	My VSE Order
Date created	March 23, 2004 at 19:50:45
Last modified	March 23, 2004 at 19:50:45
Customer number	997734
Operating environment	VSE/ESA
Package category	Products
Package type	products (VSE SIPO)

[← Edit Order basics](#)

Hardware systems

Aggregation: None

20642099820	20642099820 / IBM zSeries 900 2064-116 / 99820 / DSLAB
90215152979	90215152979 / no description available ? / ? / ?
96725165998	96725165998 / S/390 Processor 9672-RX4 / 65998 / DOR0T
96725167176	96725167176 / no description available ? / ? / ?

[← Edit Hardware systems](#)

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Done



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Back Forward Stop Home Search Favorites Media Print Print Preview Print Setup

Address <https://www14.software.ibm.com/webapp/ShopzSeries/ShopzSeries.jsp> Links >>

[← Edit Hardware systems](#)

Order contents

VSE: LANGUAGES and COMPILERS

5686-068	IBM COBOL VSE/ESA Alt Func	1.01.00	English (US)
----------	----------------------------	---------	--------------

[← Edit Order contents](#)

New licenses

[← Edit New licenses](#)

Delivery options

Delivery media

Preferred media	Internet
-----------------	----------

Shipping address

Name	IBM Deutschland Entwickl. GmbH
Name2	EL HD Microcode Design Unter
Name3	
Name4	71032-03-0084, Order
Address	Schönaicher Str. 220
Address2	
P.O. box	
P.O. box postal code	
City	Böblingen
State/Province/Territory	
Postal code	71032
Country	Germany

Special instructions

None

Delivery schedule

Requested arrival date	March 23, 2004
------------------------	----------------

[← Edit Delivery options](#)

[← Previous](#) [→ Save](#) [× Discard](#) [→ Submit](#)

[Printable version](#)

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<https://www14.software.ibm.com/webapp/ShopzSeries/ShopzSeries.jsp?action=save> Internet



Notification e-mail

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To: ifranzki@de.ibm.com
From: Oms Client01/Boulder/IBM
Subject: IBM Order 2000540326 is ready for download.

ORDER REFERENCE INFORMATION

IBM customer number:	997734
PRODUCT: IBM order number:	2000540326
ShopzSeries reference number:	U00040157

Refer to the IBM order number when contacting IBM support:
<http://www.ibm.com/support>

Your order will be available for download on the IBM software delivery server through "19 Apr 2004".

To access your order directly, go to:

[https://www14.software.ibm.com/webapp/ShopzSeries/ShopzSeries.jsp?
 action=download&orderId=U0004](https://www14.software.ibm.com/webapp/ShopzSeries/ShopzSeries.jsp?action=download&orderId=U0004)

```
*****
*       Please do not reply to this email, as       *
*       it was sent by an unattended machine.      *
*****
```





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IBM Software ShopzSeries - My orders - Microsoft Internet Explorer

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File Edit View Favorites Tools Help

Address <https://www14.software.ibm.com/webapp/ShopzSeries/ShopzSeries.jsp?action=ordersInProc>

Germany Search

Home | Products & services | Support & downloads | My account

ShopzSeries >

My orders

Create new order | Draft orders | **In process** | Completed

To review or process an order, click on its name. To track it, click on its status.

[Refresh this page to view order status updates.](#)

In process Orders

Order reference number - Order name	Status
U00040159 - AWSTAPE CD - March 19, 2004, 01:18 Customer number: 997030 IBM order number: 2000540328	Manufacturing
<input type="checkbox"/> U00034061 - VM EMEA 04pub and packing Customer number: 997030 IBM order number: 2000536521	Physical None Internet Download
<input type="checkbox"/> U00033293 - VM EMEA order elec-del OpTst Customer number: 997030 IBM order number: 2000535998	Physical None Internet Download
<input type="checkbox"/> U00033048 - VM EMEA OpTsT for Feb 22 Customer number: 997030 IBM order number: 2000535948	Physical Shipped Internet Manufacturing

[Delete selected orders](#)

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IBM Software ShopzSeries - Download - Microsoft Internet Explorer

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File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print Mail

Address <https://www14.software.ibm.com/webapp/ShopzSeries/ShopzSeries.jsp> Links >>

IBM Germany Search

Home | Products & services | Support & downloads | My account

ShopzSeries > My current order >

Download: U00040157 - VSE EMEA elecdeliv March 19, 2004, 01:11

Download expires on 19 Apr 2004

Order Packing List

[View Now](#) (0.009 MB)

VSE/ESA 2.7 Readme

[View Now - V6045348.TXT](#) (0.001 MB)

Additional Material

- [Download to your workstation using IBM Download Director](#)
- [Download to your workstation using HTTPS](#)

VSE product material

- [Download to your workstation using IBM Download Director](#)
- [Download to your workstation using HTTPS](#)

Product Publications

[View or download from the IBM Publications Center](#)

Additional Publications

- [Download to your workstation using IBM Download Director](#)
- [Download to your workstation using HTTPS](#)

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File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print Print Preview Print

Address <https://www14.software.ibm.com/webapp/ShopzSeries/ShopzSeries.jsp> Links >>

IBM Germany Search

Home | Products & services | Support & downloads | My account

ShopzSeries > My current order >

Download: U00040157 - VSE EMEA elecdeliv March 19, 2004, 01:11

VSE product material - Download to your workstation using IBM Download Director

Download expires on 19 Apr 2004

DB2 VSE Help Text

Download - V6045351.ZIP (4.8 MB)

VSE/ESA 2.7.2 XBase

Download - V6045350.ZIP (33.0 MB)

VSE/ESA 2.7.2-ENU

Download - V6045349.ZIP (111.5 MB)

[Return to Download now page.](#)

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<https://www14.software.ibm.com/webapp/ShopzSeries/> Internet

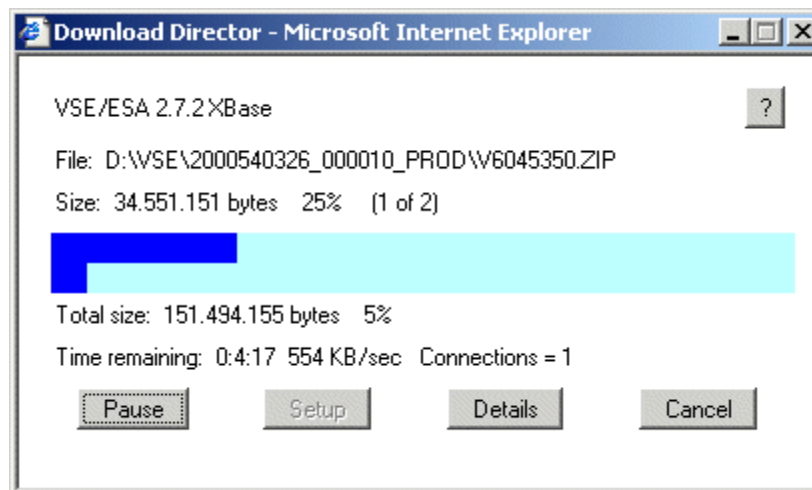


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Download Director

- small Java Applet
- resume downloads when connections are lost
- increases download speed using multiple connections





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CD-ROM vs. Download

■ CD-ROM

- ▶ is shipped to your shipping address
- ▶ contains tape image(s) in AWSTAPE format

■ Download

- ▶ you download the ZIP-files with Download Director or HTTP
- ▶ ZIP-files contain tape images in AWSTAPE format
- A readme file is provided with information how to work with the tape images
 - ▶ points to VSE Homepage:
[www.ibm.com/servers/eserver/zseries/
os/vse/news/edelivery.html](http://www.ibm.com/servers/eserver/zseries/os/vse/news/edelivery.html)



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Installing optional products

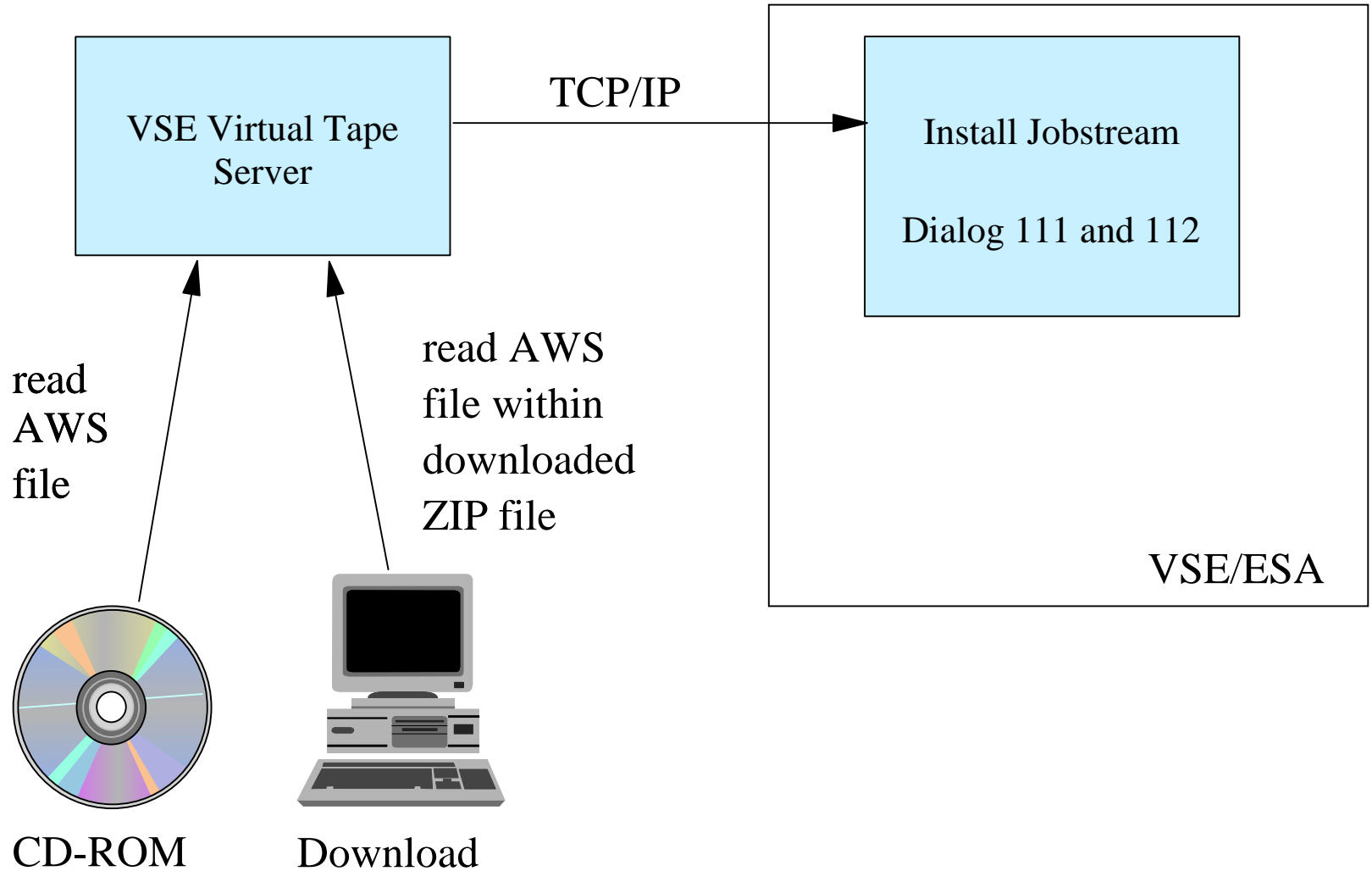
- Optional product tapes come in a stacked format
 - ▶ all products ordered are contained in one tape image file (e.g. VSEOPT27.aws)
- Optional products can be installed via VTAPE using the dialogs 111 and 112
 - ▶ using a remote tape image
 - AWS file (CD-ROM)
 - AWS file within a ZIP file (download)
 - ▶ using a VSAM tape image
 - upload of tape image into VSAM file needed



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Install optional products





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Installing the VSE base system

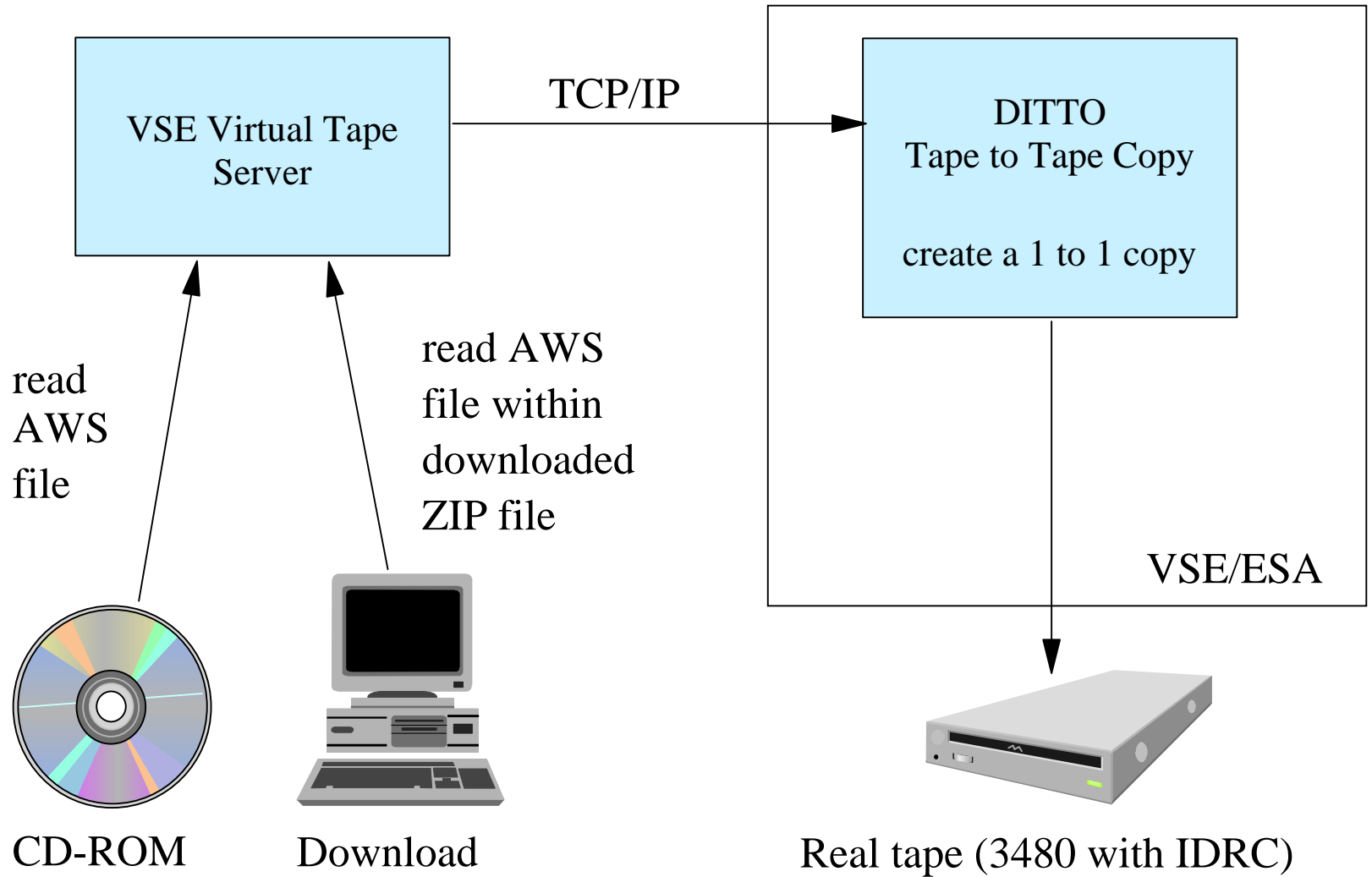
- Base installation can NOT be done from VTAPE
 - ▶ except on MP3000, Flex-ES
- You need to create a real tape from the tape image
 - ▶ Use DITTO Tape to Tape Copy
 - source: VTAPE (remote tape image)
 - destination: real tape
 - ▶ Remote Tape image (source) can be
 - AWS file (CD-ROM)
 - AWS file within a ZIP file (download)
- Base installation from real tape works as usual
 - ▶ refer to VSE Installation manual



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Create a real tape from a tape image





Create a real tape from a tape image

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```
* $$ JOB JNM=COPYTAPE,CLASS=0,DISP=D
// JOB COPYTAPE
// PAUSE PLEASE MOUNT A TAPE ON <cuu2>
// UPSI 1
DVCDN <cuu1>
// PAUSE - DEVICE DOWN OK
// VTAPE START,UNIT=<cuu1>,LOC=<ip-address>,FILE='<tape image file>',READ
DVCUP <cuu1>
// ASSGN SYS010,<cuu2>,08
* OUTPUT MEDIA, 3480 COMPRESSED
// ASSGN SYS011,<cuu1>
* INPUT MEDIA
// EXEC DITTO
$$DITTO REW OUTPUT=SYS010
$$DITTO REW OUTPUT=SYS011
$$DITTO TT INPUT=SYS011,OUTPUT=SYS010,NFILES=<36>
/*
DVCDN <cuu1>
// VTAPE STOP,UNIT=<cuu1>
DVCUP <cuu1>
/&
* $$ EOJ
```

<tape image file>:

CD-ROM: **D:\VSEOPT27.aws** (D: is your CD-ROM drive)

Download: **C:\VSE\V6045349.ZIP!VSEOPT27.aws**

(! separates ZIP file name and name of tape image within ZIP file)



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Performing an Fast Service Upgrade

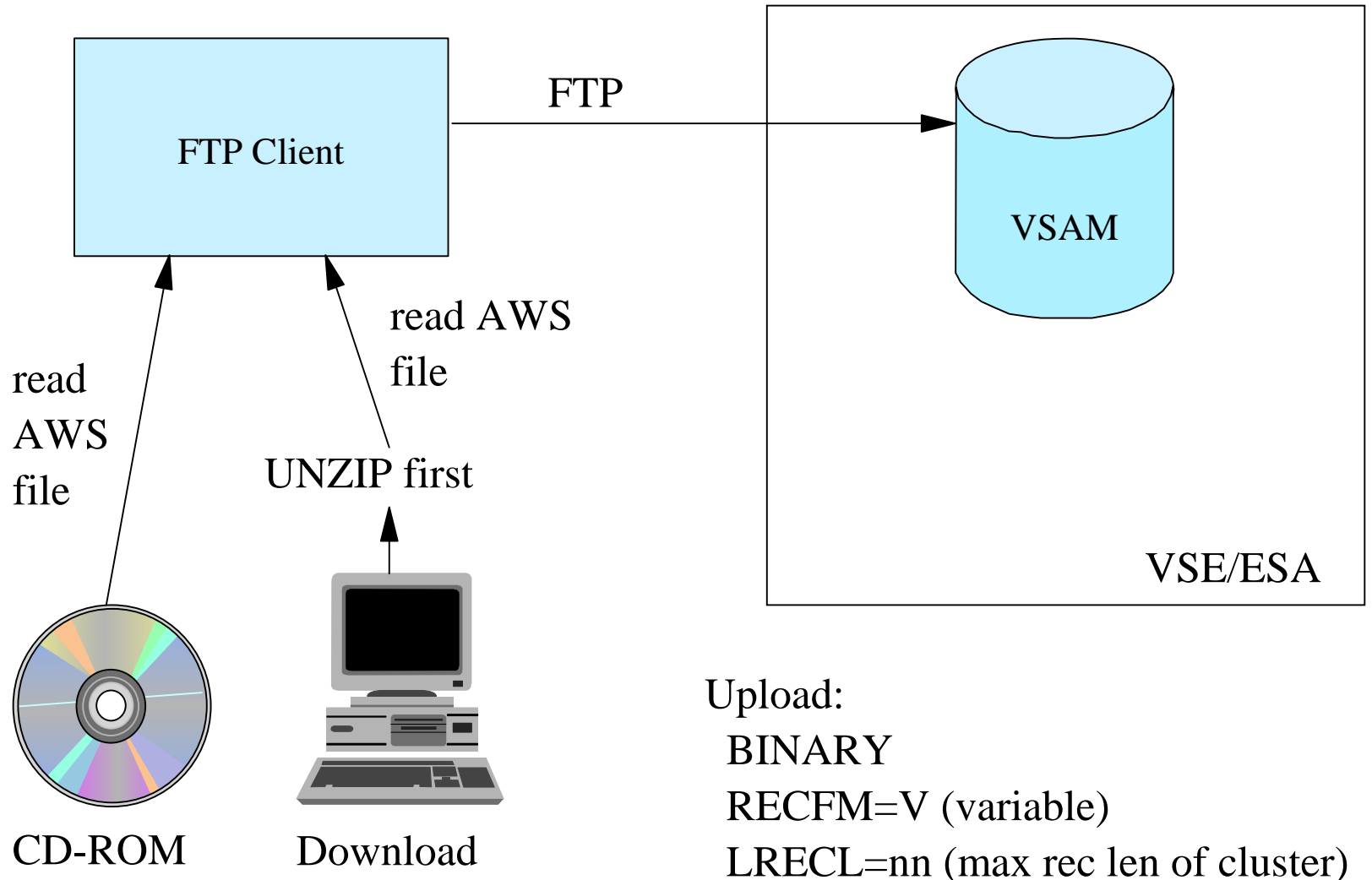
- FSU from **VSE 2.5.x/2.6.x** to VSE 2.7.x can only be done using a real tape
 - ▶ except on MP3000, Flex-ES
 - ▶ You need to create a real tape from the tape image
 - Use DITTO Tape to Tape Copy
- FSU from **>= VSE 2.7.0** to 2.7.x can be done with VTAPE (VSAM tape image)
 - ▶ upload of tape image into VSAM file needed
- FSU is done as usual (either from real tape or VTAPE)
 - ▶ FSU Preparation - Dialog 1432
 - ▶ FSU Installation - Dialog 1433



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Upload a tape image to VSAM





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Ordering PTFs

- Currently not supported by ShopzSeries for VSE
- **zSeries Support Portal**
 - ▶ www-1.ibm.com/servers/eserver/support/zseries/index.html
 - ▶ Order specific PTFs
 - ▶ Download the PTFs via FTP/Browser
- **Service Update Facility (SUF)**
 - ▶ www.ibm.com/servers/eserver/zseries/zos/suf/
 - ▶ Application running on a customer PC or workstation
 - ▶ Order specific PTFs including all required prereqs



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IBM eServer zSeries Support - Microsoft Internet Explorer 46

File Edit View Favorites Tools Help

Address <http://www-1.ibm.com/servers/eserver/support/zseries/index.html>

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Technical support and resources for zSeries and S/390

Discover the many ways you can benefit from the IBM @server Technical Support Advantage, which provides comprehensive support across eServer platforms.

Features
IBM eServer delivers on demand
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zSeries support news	Popular links
→ What's new with zSeries support	→ Red Alerts for z/OS and s/390
→ Mainframe server news	→ Downloads
→ IBM eServer Announcements	→ Resource Link zSeries Hardware Support
	→ Service bulletins and advisories
	→ Troubleshooting
	→ Redbooks
	→ zSeries System Programmer Portal

Special CD offer
zSeries 990: Mainframe redefined
→ [Get your CD-ROM today!](#)

Related support
→ [Linux](#)
→ [Printing Systems](#)
→ [Other software](#)
→ [Storage products](#)
→ [Networking products](#)
→ [Machine warranties](#)
→ [alphaWorks](#)

Related links:
[iSeries support](#)
[pSeries support](#)
[xSeries support](#)
[IBM eServer](#)
[Developers](#)
[eServer news](#)
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<http://www-1.ibm.com/servers/eserver/support/zseries/fixes/zadl.html> Internet



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IBM eServer zSeries Support - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <http://www-1.ibm.com/servers/eserver/support/zseries/fixes/zadl.html>

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→ Select a country

- ← eServer Support
- zSeries Support**
- Planning
- Problem Solving
- Tools
- Fixes
- Library
- Education
- Services
- Feedback

zSeries Downloads

- **Download fixes**
Order fixes, request correct service, download drivers.
- [Serviceability tools](#)
Download productivity tools, sample code.
- [Software from IBM](#)
Download and evaluate emerging software technologies from IBM.

Related links:

- iSeries Support
- pSeries support
- xSeries Support
- IBM eServer
- Developers
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IBM eServer zSeries Support - Microsoft Internet Explorer

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File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print

Address <http://www-1.ibm.com/servers/eserver/support/zseries/fixes/zdl.html> Links >>

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- zSeries Support**
- Planning
- Problem Solving
- Tools
- Fixes
- Library
- Education
- Services
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Related links:

- iSeries Support
- pSeries support
- xSeries Support
- IBM eServer
- Developers
- eServer News
- Events

IBM eServer zSeries Support

Download fixes

- [Download specific fixes](#)
Order fixes by PTF number.
- [Download custom operating system fixes](#)
Request electronic corrective and preventive service, and receive status reports.
- [Printer drivers and fixes](#)
Download drivers and fixes for IBM printers.
- [Storage systems](#)
Access disk, tape and optical storage technical support resources.
- [Check Status of ordered fixes](#)
Determine the latest status for corrective service orders.

Related services

- [Troubleshooting](#)
- [Service bulletins and advisories](#)
- [Fixes for Linux](#)

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Electronic PTF order - Microsoft Internet Explorer 49

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print

Address <https://techsupport.services.ibm.com/server/390.elecptforder> Links >>

IBM Search

Home | Products & services | Support & downloads | My account

→ Select a country

← eServer support

zSeries support

Planning
Problem solving
Fixes
Library
Education
Services
Feedback

Related links:

iSeries support
pSeries support
xSeries support
IBM eServer
Developers
eServer news
Events
How to buy

IBM @server Support

Use of this service requires signing in with an [IBM ID](#).

Each service at this site is grouped under one of three access levels:

- Freely available to anyone with a web browser. No sign in required.
- Freely available but requires signing in with an IBM ID.
- Requires a special support agreement, usually associated with a support contract, or further registration.

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javascript:launchLogin();void(0) Internet



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Sign in

[Sign-in] Server Support - Microsoft Internet Explorer

IBM @server Support

Sign in

Sign in using your IBM ID. To obtain an IBM ID, you may [register](#) for one now.

IBM ID: [Change profile](#)
 Password: [Change password](#)
[Forgot password](#)
[Help](#)

One ID. One password.
 Soon, you won't have to keep track of different IDs and passwords for the many different sections of ibm.com you use. Whether you're shopping, downloading or browsing protected areas, one-password access will help you enjoy a better Web experience. You'll be able to use your IBM ID to enter any part of ibm.com that displays the IBM ID icon.

Internet



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Electronic PTF order - Microsoft Internet Explorer 51

File Edit View Favorites Tools Help

Address <https://techsupport.services.ibm.com/server/390.elecpforder> Links >>

IBM Search

Home | Products & services | Support & downloads | My account

→ Select a country

- ← eServer support
- zSeries support**
- Planning
- Problem solving
- Fixes
- Library
- Education
- Services
- Feedback
- Sign out

Related links:

- iSeries support
- pSeries support
- xSeries support
- IBM eServer
- Developers
- eServer news
- Events
- How to buy

Download selective fixes

Send

Enter PTF numbers below [e.g. U412345, U467890]

UQ84011

Packaging Options

Media Type: **Download**

	Yes	No
Ship fixes for known PTFs in error, if available	<input checked="" type="radio"/>	<input type="radio"/>
Ship superceding fixes, if available	<input checked="" type="radio"/>	<input type="radio"/>
Include prerequisites and corequisites	<input checked="" type="radio"/>	<input type="radio"/>
Include ifrequisites	<input checked="" type="radio"/>	<input type="radio"/>

Email*

ifranzki@de.ibm.com

Continue ->

Done Internet



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Verifying Order - Microsoft Internet Explorer

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File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print

Address <https://techsupport.services.ibm.com/server/390.verifyorder> Links >>

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→ Select a country

← eServer support

zSeries support

Planning

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Related links:

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[pSeries support](#)

[xSeries support](#)

[IBM eServer](#)

[Developers](#)

[eServer news](#)

[Events](#)

[How to buy](#)

Review the information. The fix you are about to order will be packaged using the specified options below. Two emails will be sent to the specified address. The first email will be a confirmation of receipt of the request. The second email will contain download instructions and a link to the package.

Send

Selected Fix Package(s):

- UQ84011

To

Email: ifranzki@de.ibm.com

Packaging Options

Media Type: **Download**

Ship fixes for known PTFs in error, if available: **Y**

Ship superceding fixes, if available: **Y**

Include prerequisites and corequisites: **Y**

Include conditional requisites: **Y**

Make Corrections Submit

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Done Internet



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Microsoft Internet Explorer window titled "Sending Media Order - Microsoft Internet Explorer" with address bar showing "https://techsupport.services.ibm.com/server/390.sendmedia".

IBM logo and navigation menu: Home | Products & services | Support & downloads | My account

Left sidebar menu: Select a country, eServer support, zSeries support, Planning, Problem solving, Fixes, Library, Education, Services, Feedback, Sign out, Related links: iSeries support, pSeries support, xSeries support, IBM eServer, Developers, eServer news, Events, How to buy.

Main content area: "Order Submitted" section with text: "Your order has been submitted for processing. Email will be sent to ifranzki@de.ibm.com." The sentence "COER NUMBER is 390156234. This number is used to submit your request. You will receive a confirmation email that contains your ORDER NUMBER." is circled in red.

Confirmation text: "Confirmation of receipt is generally sent out within 5 minutes but may take as much as 30 minutes. The final email with instructions and fix location will generally be sent out within 5 minutes but may take as much as 2 hours. You can check the status of your order by entering the order number or your customer number."

- The first e-mail will provide you with the ISMS (IBM Software Manufacturing Solutions) order number, which starts with the letter "B".
- When the order is packaged, a second e-mail will be sent to you and will provide you with the package carrier name and the carrier waybill (tracking) number.
- You will also receive a summary e-mail which provides the information above, plus a listing of the fixes that you ordered.

Additional text: "If you do not receive your initial e-mail confirmation within two hours of submitting this request, please either resubmit your request or order your maintenance fix via telephone. Please report any order failures through the Feedback form." and "You can check the status of any specific order via the ISMS order number, or view all recent orders for your customer number, via the web at http://service.software.ibm.com/order_status".

Footer: "If you need the application for tersing/untersing files: A version for z/OS and OS/390 is available from http://techsupport.services.ibm.com/390/trsmain.html. There you will find instructions on downloading, installing and using the application file 'trsmain'. A version for VM is available via anonymous ftp from ftp.software.ibm.com in /s390/vm/tools/deterse/files/. There you will find a README.txt with instructions on retrieving and using the DETERSE MODULE."



Notification e-mail

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To: ifranzki@de.ibm.com
From: bldml@bldisdmc.vnet.ibm.com
Subject: 390156234 Update Received, Customer#: 9999999

COERVER = 30-STATUS
SOURCE = EMAIL
COERNBR = 390156234
CNTYNBR = 000
FRMNODE = BLDISDMC
FRMUSER = R370ACK
TO_NODE = NONE
TO_USER = NONE
SHPDATE = 20040401083836
TEXT = Data sent via "INET". To retrieve your service:
TEXT = FTP to: [ptf.boulder.ibm.com](ftp://ptf.boulder.ibm.com)
TEXT = Log on using userid "[owvw6d](#)" and password "[trye2fvc](#)"
TEXT = Enter the following FTP commands:
TEXT = [cd /390156234/c568606635](#)
TEXT = [ascii f 80](#)
TEXT = [get ftp6234.txt](#)
TEXT = [get elst6234.txt](#)
TEXT = [binary f 80](#)
TEXT = [get eptf6234.bin](#)
TEXT = [--or--](#)
...





Notification e-mail (continued)

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```

...
TEXT      = To retrieve your service using a web browser:
TEXT      =   Enter the following URL:
TEXT      =   ftp://owvw6d:trye2fvc@ptf.boulder.ibm.com/390156234/c568606635
TEXT      =   Click on: ftp6234.txt to view the FTP count file.
TEXT      =   Click on: elst6234.txt to view the Packing List file.
TEXT      =   Click on: eptf6234.bin to download the PTF file.
TEXT      =   To save the FTP count file or Packing List file to your
TEXT      =   workstation, view the file and use the commands supported
TEXT      =   by your browser to save the file to disk.
TEXT      =   You may copy the files to a floppy and/or upload the files
TEXT      =   to your host. Upload files with a '.txt' extension in text
TEXT      =   mode and files with a '.bin' extension in binary mode. The
TEXT      =   same modes should be used when transferring files through
TEXT      =   intermediate computer systems.
TEXT      =   Note: The ftp6234.txt file contains byte counts to
TEXT      =           match against the FTP byte count for each file.
TEXT      =
TEXT      = Package contained 3 fixes with 25,133 Kilo-bytes of data
TEXT      = Total amount of data shipped was 25,133 Kilo-bytes
TEXT      = SDF Order# B5543884 was Shipped at 08:37:50 04/01/2004
TEXT      =
TEXT      = PTF#           Reason Listed           Status           CLC
TEXT      = -----           -
TEXT      = UQ74256  PREREQ of UQ77749  <<< Shipped >>>  75N
TEXT      = UQ77749  PREREQ of UQ84011  <<< Shipped >>>  75N
TEXT      = UQ84011  ORDERED             <<< Shipped >>>  75N
NBRDATA  = 0047

```



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Installing downloaded PTFs

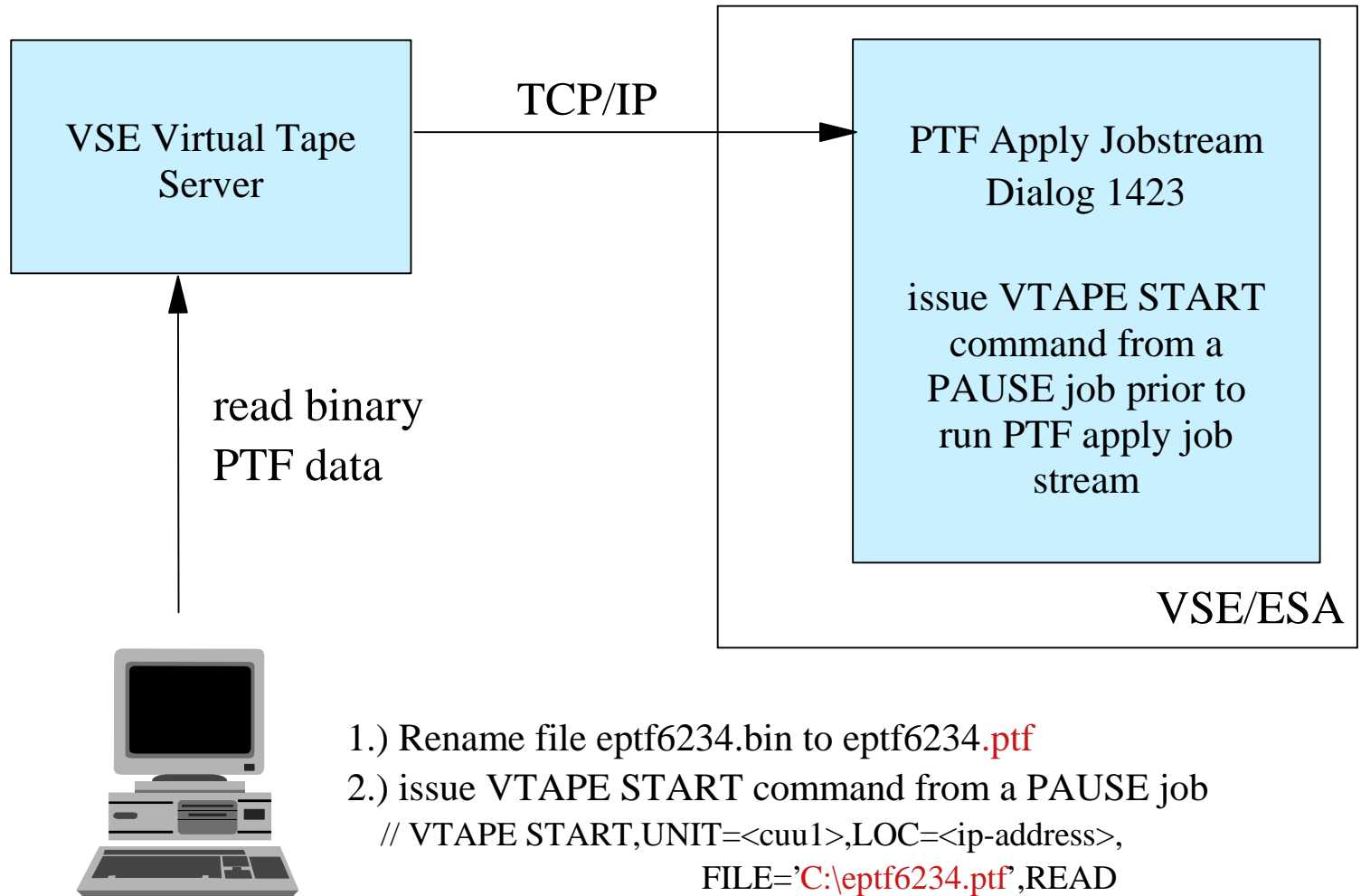
- You get ONE binary job stream (fixed 80)
 - ▶ includes all ordered PTFs
- Recommended installation procedure:
 - ▶ upload into PTF.FILE (IJSYSPF)
 - see www-1.ibm.com/servers/eserver/zseries/os/vse/support/ptfappl.htm
 - ▶ or use Virtual Tape (PTF tape simulation)
- Not recommended: submit into VSE reader
 - no indirect PTF apply possible
 - PRE- and CO-requirements may not be fulfilled due to wrong order of PTFs
 - POWER JECL included in the data part of the PTFs will be processed while running the job.
 - Missing POWER JECL in the PTF file causes POWER to extract VSE JOB cards



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Apply PTFs via Virtual Tape

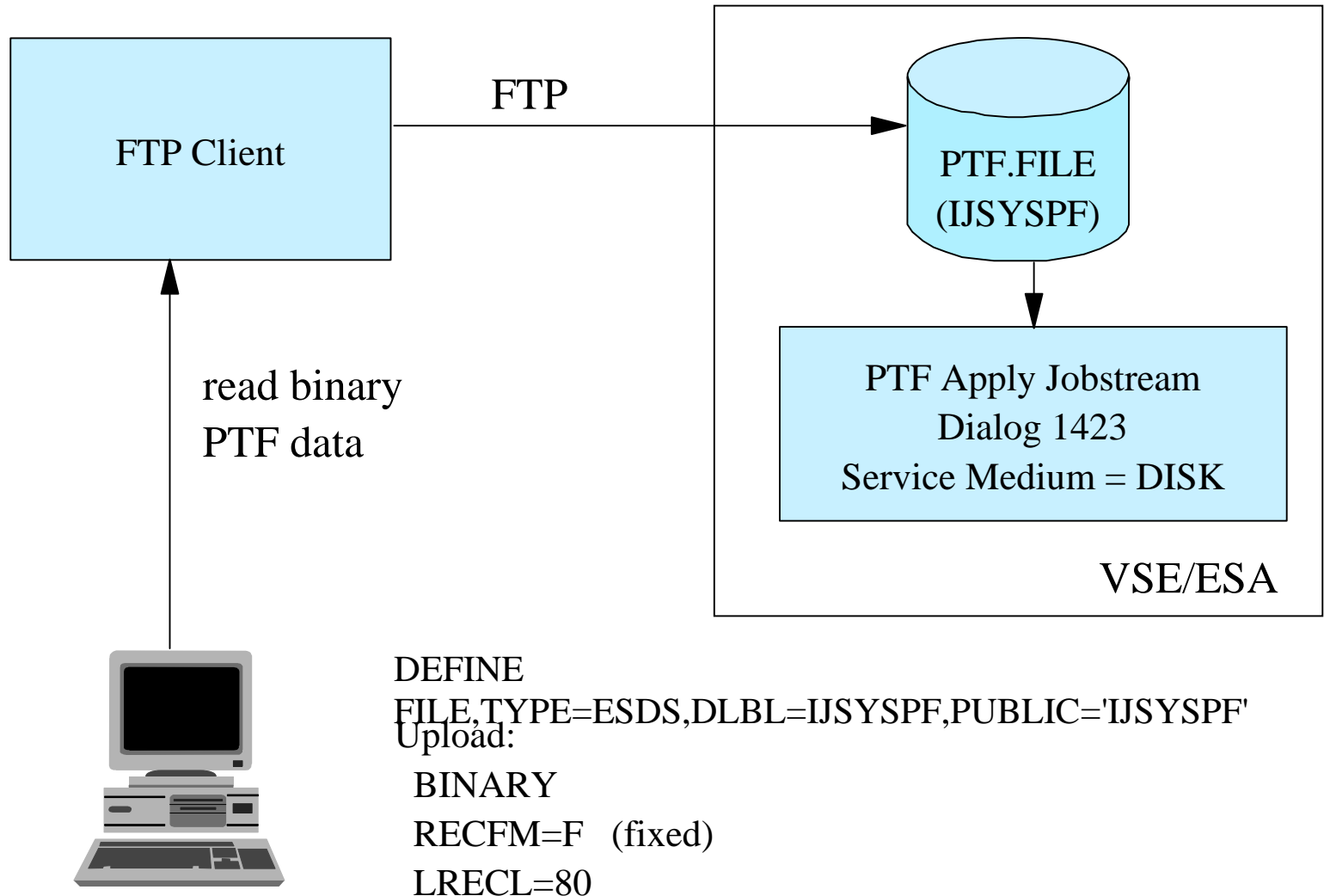




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Apply PTFs via PTF.FILE (IJSYSPF)





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Recommended Service Level (RSL)

- available since 19. March 2004
- **all available PTFs at specified cutoff date**
- monitored 6-8 weeks for PE
- a list of PTFs is kept in PSP and on VSE/ESA Home Page
 - ▶ www.ibm.com/servers/eserver/zseries/os/vse/support/vsersl/vse_rsl_intro.html
- standard PTF installation process
- helps customers to stay on current & reliable service level
- helps IBM service personnel to serve customers faster
- not to be confused with the RSU concept of zOS



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Documentation

- Internet:
 - ▶ www.ibm.com/software/shopzseries
 - ▶ www-1.ibm.com/servers/eserver/zseries/os/vse/news/edelivery.html
 - ▶ www-1.ibm.com/servers/eserver/zseries/os/vse/support/vsersl/vse_rsl_intro.html
- VSE/ESA 2.7.2 Installation, SC33-6704
- VSE/ESA 2.7.2 System Upgrade and Service, SC33-6702



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Questions

