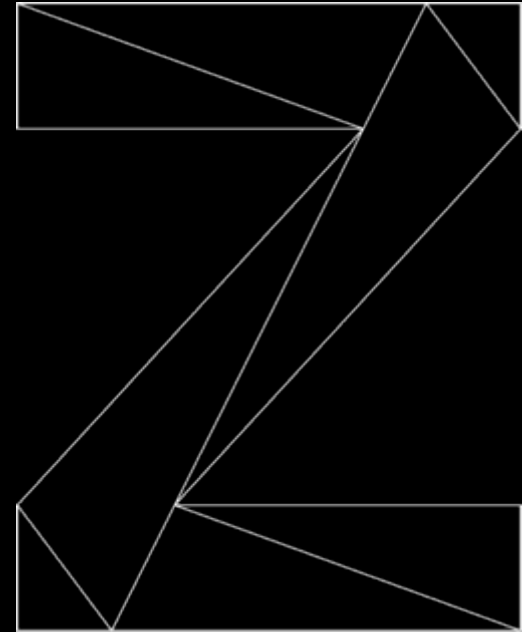


z/VSE Business, Status and Strategy Update

VM Workshop 2020



Rene Trumpp,
Manager z/VSE Business, Development & Service
IBM Deutschland Research & Development GmbH



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Introduction



About me

- Started 13 years ago in z/VSE development
- Responsible for z/VSE network stack
- z/VM development
- Linux on Z network team lead
- KVM on Z project manager
- People management for z/VSE development and service
- Offering management for z/VSE

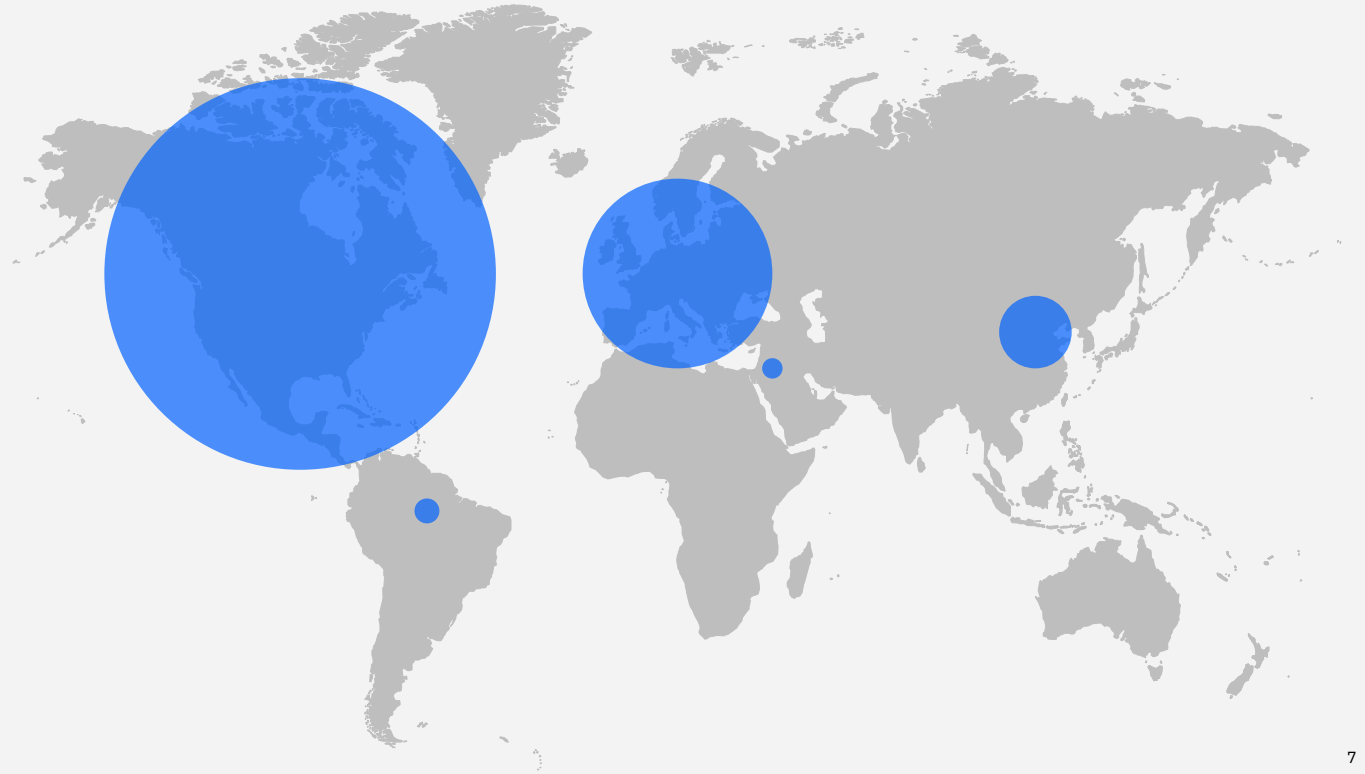


Business Update



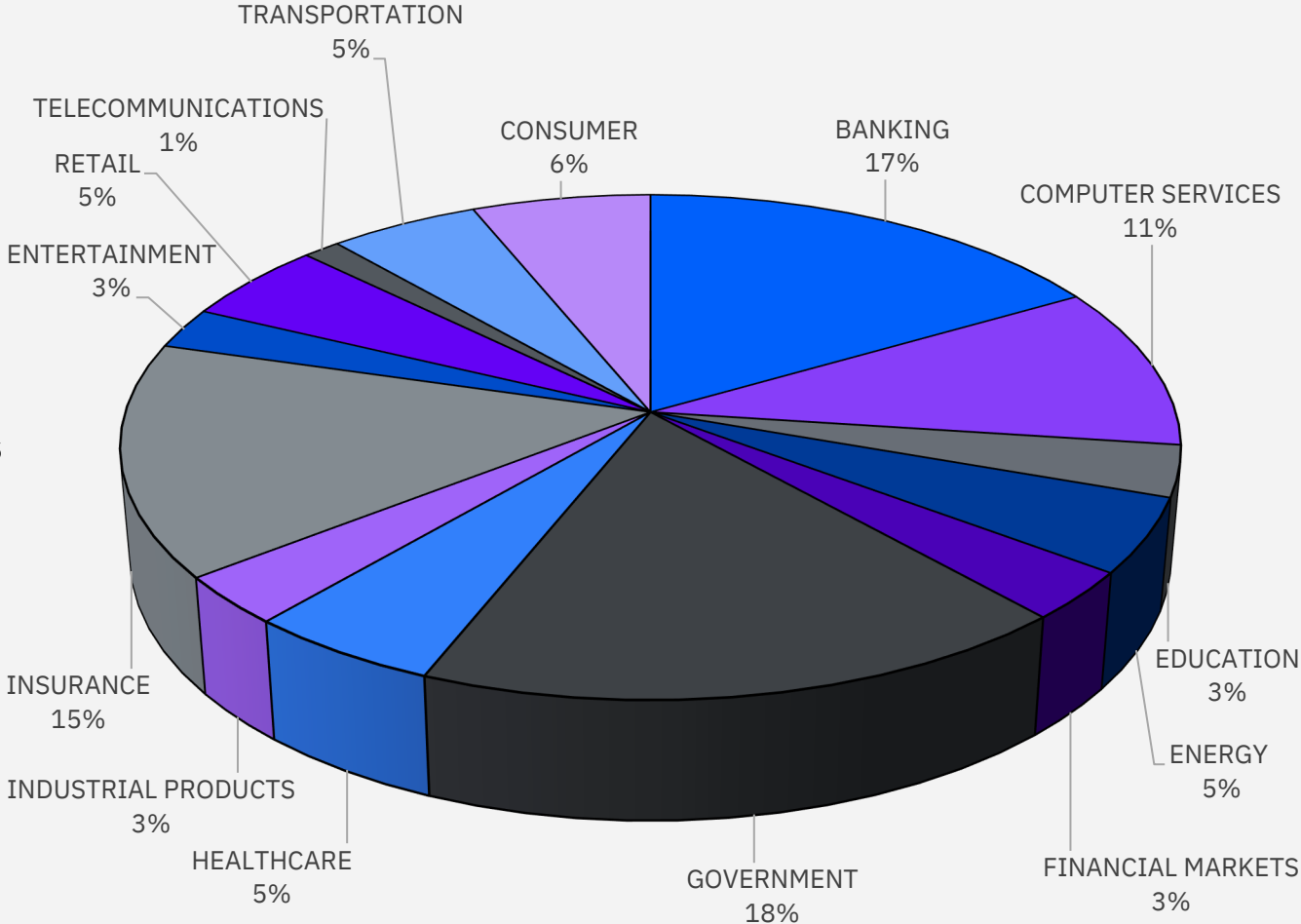
Business Worldwide

z/VSE drives the
business everywhere*.



* the bigger the circle, the more customers in the geo

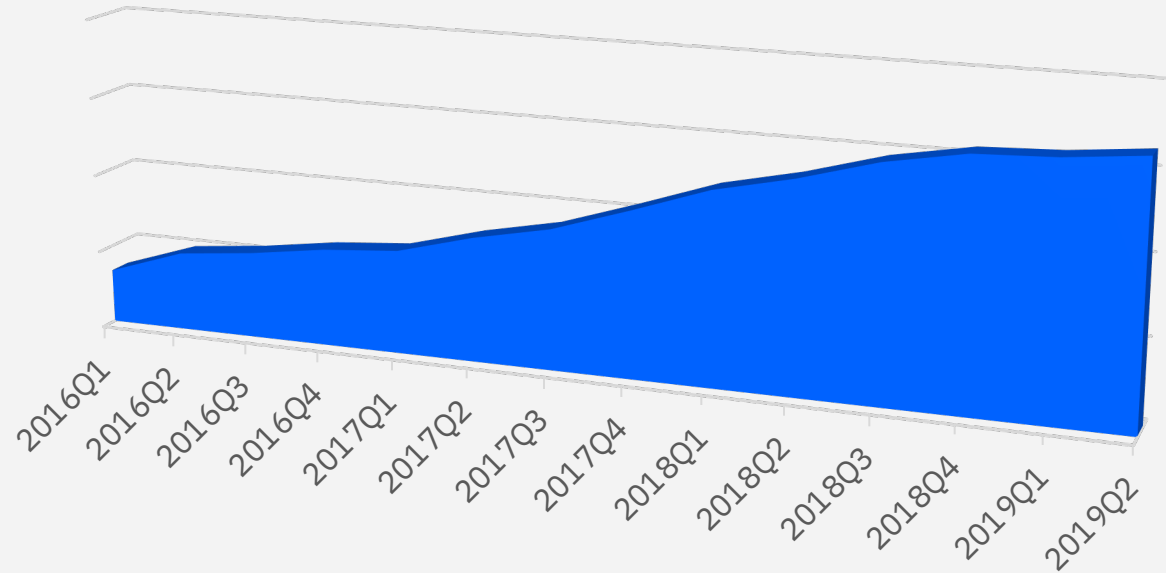
Industries



z/VSE remains important for all kind of different industries

Growth

Number of z/VSE 6 customers is growing.



Status Update



Roadmap

We switched to continuous delivery, that means

- We are more **flexible**
- We ship **new functionality**, when it's finished
- You **don't have to wait** for the next release for additional functionality
- **No version upgrade hassle** anymore

z/VSE Continuous Delivery

DL/I 1.12.1 with support for >4GB partitions, PAV support for ICKDFS FlashCopy, *OpenSSL*, *Networking*, *Security*, ...

z/VSE 6.2 GA: 1.12.2017

z114/z196 or higher, HW exploitation, CICS TS 2.2 (HTTP 1.1) & CICS Explorer, RESTfull Engine, Easy of use, Networking and Security enhancements

z/VSE 6.1 GA: 27.11.2015 (end of service: 30.6.2019)

CICS TS for z/VSE 2.1: CICS Explorer update, Channels & Containers; TCP/IP for z/VSE 2.1, IPv6/VSE 1.2, z10 or newer; z Systems exploitation

z/VSE 5.2 GA: 25.4.2014 (end of service: 31.10.2018)

zEnterprise exploitation, device support
Tapeless installation, networking / security enhancements

z/VSE 5.1 GA: 11.2011 (end of service: 30.6.2016)

64 bit virtual, zEnterprise exploitation, z9 or newer

z/VSE 5.1.1 GA: 6.2012: CICS Explorer, LFP in LPAR, database connector

z/VSE 5.1.2 GA: 6.2013: TS1140, 64 bit I/O, openSSL, db connector enhancements

z/VSE 6.2 Continuous Delivery and IBM z15

z/VSE benefits from the HW features of the new z15

- Air-cooled z15 Model T02
- **System Recovery Boost**
- Faster I/O with the **FICON Express 16S**
- **IBM Fibre Channel Endpoint Security**, which provides server authentication and data encryption
- Better performance with the **OSA-Express7S**
- Better performance with HW Encryption with **Crypto Express7S** and **CPACF**



z/VSE 6.2 Continuous Delivery and IBM z15

Pricing options:

- Mid-Range Workload License Charges (MWLC)
- Advanced Entry Workload License Charge (AEWLC) pricing on the z15 Model T02
- zSeries Entry License Charge (zELC) for the entry models (capacity setting A01) of the z15 Model T02
- Technology Transition Offering (TTO) called Technology Update Pricing for the z15 (TU7)

Pricing details: <https://www.ibm.com/it-infrastructure/z/software/pricing>



z/VSE Support for IBM Mainframe Servers



IBM Servers	z/VSE 6.2	z/VSE 6.1 (out of service)	z/VSE 5.2 (out of service)	z/VSE 5.1 (out of service)	z/VSE 4.3 (out of service)
IBM z15 & z15 Model T02	✓	✓	✓	✓	✗
IBM z14™ & z14 Model ZR1	✓	✓	✓	✓	✗
IBM z13® & z13s™	✓	✓	✓	✓	✓
IBM zEnterprise® EC12 & BC12	✓	✓	✓	✓	✓
IBM zEnterprise® 196 & 114	✓	✓	✓	✓	✓
IBM System z10® EC & z10 BC	✗	✓	✓	✓	✓
IBM System z9® EC & z9 BC	✗	✗	✓	✓	✓
zSeries® 990, 890	✗	✗	✗	✗	✓

Important Announcements of the last months

IBM z/VSE 6.2 offers new capabilities and hardware options

https://www-01.ibm.com/common/ssi/ShowDoc.wss?docURL=/common/ssi/rep_ca/3/897/ENUS220-123/index.html&request_locale=en

IBM z15 Model T02 delivers the cloud you want with the privacy and security you need

<https://www-01.ibm.com/common/ssi/cgi-bin/ssialias?infotype=AN&subtype=CA&htmlfid=897/ENUS120-006&apname=USN>

Software withdrawal and support discontinuance: IBM z/VSE Network Appliance

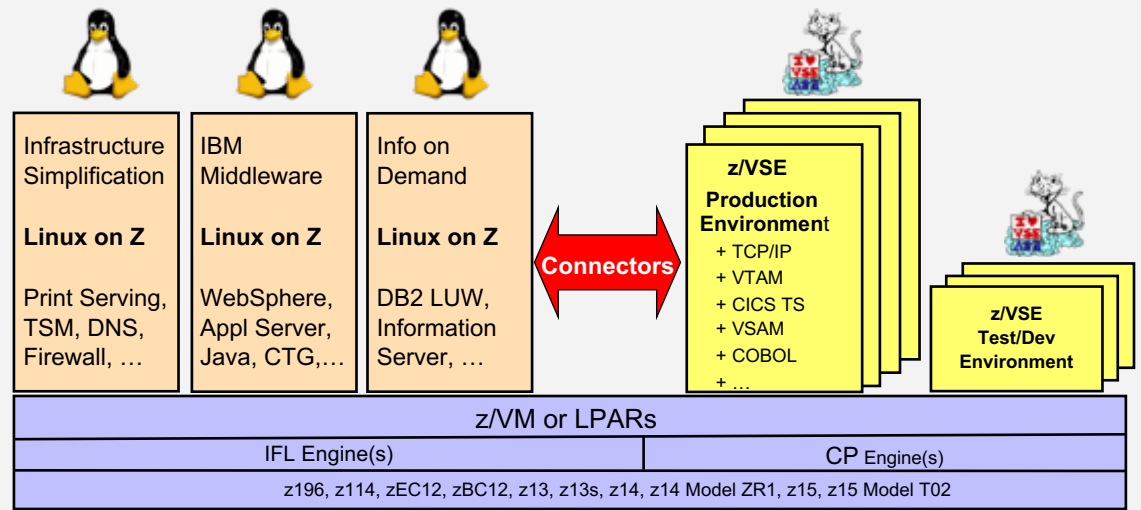
https://www-01.ibm.com/common/ssi/ShowDoc.wss?docURL=/common/ssi/rep_ca/1/897/ENUS919-151/index.html&request_locale=en



Strategy Update



Strategy



Protect

existing z/VSE core investments

Integrate

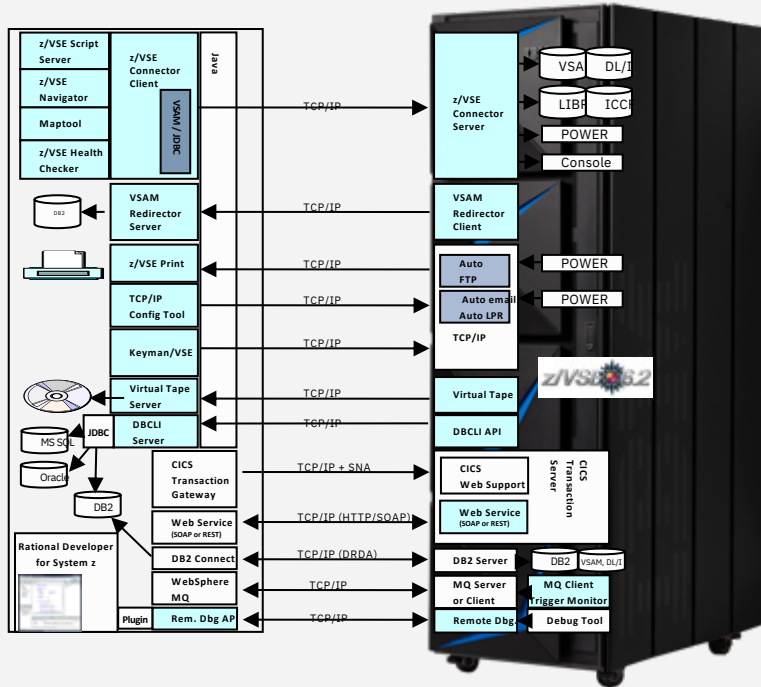
using middleware and z/VSE connectors

Extend

with Linux on IBM Z technology & solutions



z/VSE Connectors



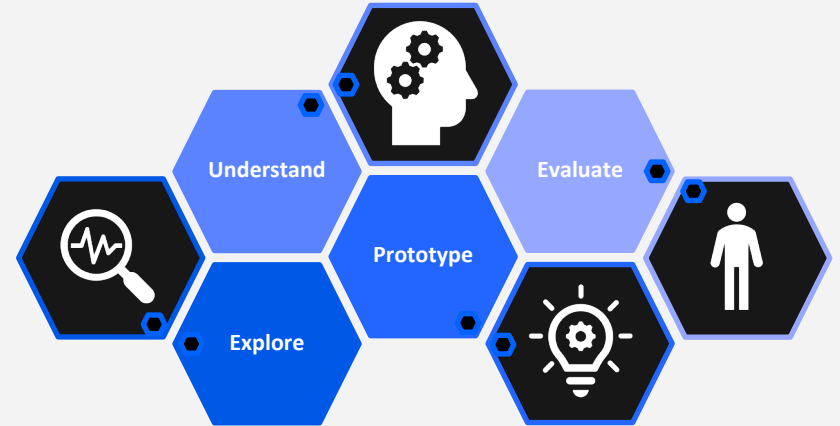
- GUI to z/VSE: z/VSE Navigator
- z/VSE Health Checker
- z/VSE Monitoring: SNMP Agent
- Synchron. of VSAM or DB2 data
- Integration of SQL DBs via DBCLI API
- 3270 -> Web : CICS Web Support
- Webservices (SOAP and REST)
- LAN Printer enablement
- Virtual Tape Server
- Operation/Workflow Integration with z/VSE Scripter Server
- GUI Development Env.

Future z/VSE strategy

To design the future z/VSE strategy, I use the **IBM Enterprise Design Thinking** methodology.

Enterprise Design Thinking is the framework IBM uses to solve problems — while improving customer experiences at the speed and scale the modern enterprise demands.

As a first step I want to investigate and understand the z/VSE customer basis in more detail...



Future z/VSE strategy – Personas (a design thinking method)

Adam

From his first day a z/VSE customer. He loves it and want to stay forever with it.

Fun fact: he doesn't like Apple

Mark Z.

Young guy from university, tried sth. like an online yearbook without success. Now is working with z/VSE and wants to integrate new technologies

“Evil” Ivan

Is disappointed because his management wants standard solutions due to popularity and/or skills, but it does not cover everything VSE covers now.

Claudio

Likes z/VSE and still wants it in the future, but wants to make savings regarding hardware. Thinks about outsourcing possibilities.

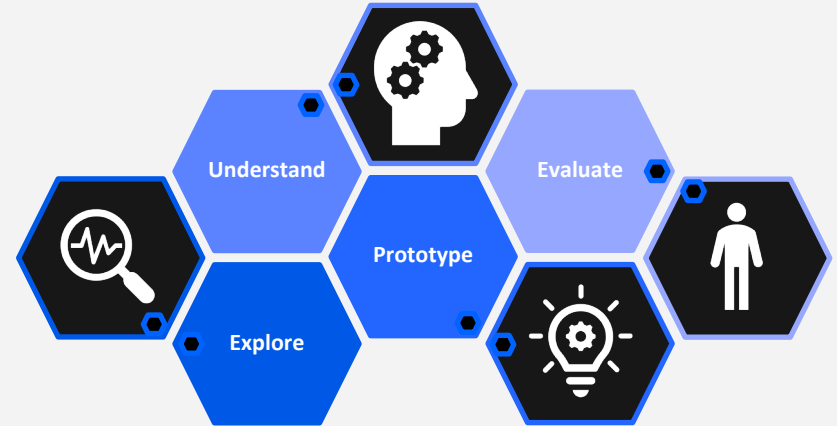
Future z/VSE strategy – Getting in contact

The best way to understand the Personas (their motivation, needs, ...) is getting in contact with real customers representing them.

So if you are willing to help me, e.g.

- Doing an interview with me
- Answering a survey
- Discussing possible solutions
- Acting as a sponsor user

Please drop me a short note, so that I can follow-up with you.



More News & Resources



IBM Z OSA-Express OSE CHPID Type Usage Survey



IBM would like to understand your current usage of native SNA (through OSE channels) on IBM Z, and what plans, if any, you have in place to migrate to an alternative.

<https://ibm.biz/OSA-Express-OSE-Blog>

<https://community.ibm.com/community/user/ibmz-and-linuxone/blogs/jens-remus1/2020/06/04/please-participate-in-the-osa-express-ose-survey>

Sometimes it's hard to find things... therefore I provide some direct links

IBM Websites

Marketing pages... Landing page:

<https://www.ibm.com/it-infrastructure/z/zvse>

Marketplace pages... Products that are sold and high level information about it:

<https://www.ibm.com/us-en/marketplace/zvse>

ShopZ:

http://www-304.ibm.com/software/shopzseries/ShopzSeries_public.wss

Documentation:

https://www.ibm.com/support/knowledgecenter/SSB27H_6.2.0/zvse_welcome_6.2.0.html



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Redbooks and White Papers

Overview:

https://www.ibm.com/support/knowledgecenter/SSB27H_6.2.0/technical_articles_and_whitepapers.html

Redbook: Introduction to the New Mainframe: IBM z/VSE Basics

<http://www.redbooks.ibm.com/abstracts/sg247436.html?Open>

Redbook: Migration to CICS Transaction Server for z/VSE V2.1

<http://www.redbooks.ibm.com/abstracts/sg248390.html?Open>

Redbook: Security on IBM z/VSE

<http://www.redbooks.ibm.com/abstracts/sg247691.html?Open>

How to use REST support on z/VSE for access to IBM MQ REST API

<ftp://public.dhe.ibm.com/eserver/zseries/zos/vse/pdf3/VSE2RESTMQ.pdf>



Sometimes it's hard to find things... therefore I provide some direct links

Service & Support

Support overview:

<http://www-01.ibm.com/support/docview.wss?uid=isg3T1027442>

Supported release status:

https://public.dhe.ibm.com/eserver/zseries/zos/vse/pdf3/zVSE_Status.pdf

Unsupported releases:

https://public.dhe.ibm.com/eserver/zseries/zos/vse/pdf3/zVSE_Status_Unsupported.pdf

IBM Software lifecycle:

<https://www.ibm.com/support/lifecycle/>

Request for Enhancements (RFE) database:

<http://www.ibm.com/developerworks/rfe/>

Please select the following for z/VSE requirements:
Brand = Servers and System Software
Product = z/VSE



Sometimes it's hard to find things... therefore I provide some direct links

Tools & other useful stuff

z/VSE Modern Solutions/Use Cases

https://www.ibm.com/support/knowledgecenter/SSB27H_6.2.0/use_cases.html

Connectors and Tools:

<https://www.ibm.com/it-infrastructure/z/zvse-downloads>

https://www.ibm.com/support/knowledgecenter/SSB27H_6.2.0/fa2ws_xref_target_for_toc.html

Upcoming events:

<https://www.ibm.com/it-infrastructure/z/zvse-resources>

Jens' z/VSE blog:

<https://community.ibm.com/community/user/ibmz-and-linuxone/blogs/jens-remus1>

VSE-L discussion list:

<https://groups.google.com/forum/?fromgroups#!forum/bit.listserv.vse-l>



Thank you

Rene Trumpp,
Manager z/VSE Business, Development & Service
IBM Deutschland Research & Development GmbH

—
trumpp@de.ibm.com

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