



Instructor Information for



zSeries University System

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Overview

ZEUS (zSeries University System) is an education system, which can be used for education on universities.

Contacts

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Hot News:

070309: Userid and Password for HoD Access changed

060627: Any batch job that allocates datasets should have (UNIVER) as account code. This will then be caught by the ACS routines and directed to volumes DMTU01 and DMTU02.

PC Setup – Prepare your PC for first Time Access to ZEUS

If you want to access ZEUS for the first time, you have to prepare your PC.

For access you can either Via IBM Intranet: Use Personal Communication Via Internet: Use Host on Demand Via Internet: Use Personal Communication (with Certificate)

Install PC Software

- 3270 emulation client (e.g. IBM Personal Communication (PCOMM))
- Java-enabled browser

Via IBM Intranet: Use Personal Communication

- use your own 3270 emulation client to connect to 129.35.161.131 (this is a direct TCP/IP connection to z/OS but has no SSL security).
- Save your session with "Save as"

Via Internet: Use Host on Demand

- Firewall: Please allow the following IP addresses to be routed:
 - o 129.35.161.130 (Terminal Session)
 - o 129.35.161.132 (HoD Server)
- use Host On-Demand (HoD) by using a Java-enabled browser to connect to http://129.35.161.132/hod/HODCached_en.html
 - o on the first start, HoD will install on your PC automatically
- Login with username "univ", password "zcourse".
- Choose "Zeus z/VM SSL Internet"
- tab to "System ===>" and type "DIAL ZOS".
 - That gets you an SSL-secured session to prevent password sniffing (Zeus is on the Internet, not the IBM Internet).

Via Internet: Use Personal Communication (with Certificate)

- use your own 3270 emulation client (e.g. PCOMM)
- Firewall: Please allow the following IP addresses to be routed:
 - o 129.35.161.130 (Terminal Session)





- save the server SSL certificate from http://129.35.161.132/hod/zeusself-public.crt
 - import it into PCOMM with the PCOMM certificate management wizard
 - Start \rightarrow All Programs \rightarrow IBM Personal Communications \rightarrow Utilities \rightarrow 0 Certificate Manager.
 - If you have no "Key Data Base selected", create a new one using 0 Keydatabase \rightarrow New
 - Keydatabasetype CMS
 - Keydatabasename (leave it as it is)
 - Path (leave it as it is)

Click OK •

 Enter your ne 	ew passwor	d (twice)
Aufforderung zur Kennwort	eingabe	X
Kennwort: Kennwort bestätigen:	[
🗌 Ablaufzeit festlegen?	60	Tage
Kennwort in ei	ner Datei spe	ichern?
OK Zurü	cksetzen	Abbrechen

Add a new Certificate, using "ADD" 0

SEARCH for the dataset (you may have to select All Files *.*)

CA-Zertifikat aus einer Da	tei hinzufügen	
Datentyp	Base64-verschlüsselte ASCII-Daten 🔫	
Dateiname des Zertifikats:	zeusself-public.crt	Durchsuchen
Pfad:	C:\IBM_Daten_aktuelNUniversity/ZEUS Access\	
	OK Abbrechen	

- Enter a name for the Certificate, e. g. ZEUSVM 0
- You can then connect with PCOMM to 129.35.161.130 port **992** with "SSL Security" checkbox enabled and "DIAL ZOS".
 - Start \rightarrow All Programms \rightarrow IBM Personal Communication \rightarrow Start or Configure Session
 - New Session 0





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ype or most.	Zbenes		
nterface:	LAN		
tachment:	Telnet 3270		*
	Link Parameters	Session Parame	ters
Connection Overv	iew		÷
	ertace	Attachment	Type of Host
			J
	LAN	Telnet3270	zSeries
This connect TN3270E inte load balancing This selectio	tion provides access to an IBM z iface. Support for Service Locati g and backup host is also provide n is used in networks that typical	Series host over a TCP/IP network, us on Protocol, SSL V3 and TLS1.0 secu ed. y run TCP/IP protocols.	ing TN3270 or re layer encryption.
The second second second	tivity can also be used to connec	t to a host network through a firewall v	vhich supports NVT

• Link Parameters: (Host Definition)

		724	
	Host Name or IP Address	LU or Pool Name	Port Number
Primary	129.35.161.130		992
Backup 1		1	23
Backup 2		-	23
Connection Options	1		
Connection Timeout	6 🕂 Seconds		
Autoreconnect			
The connection to las	t configured locat infinitely		
ity our recting to ide	a contriguida mola internetiony		
Printer Association (only	valid for TN3270E Display sessions)		
Associated Printer Sessi	on		
			Browse
-			
M Stan Associated Prin			
and the second sec			
M. Automatically close II			
M. Automatically close I			





0	Link Parameters:	(Advanced Security Setup)	
0			

Second Deternal			
Security Protocol			
JSSL only	<u>.</u>		
Key Database Password			
C Use Password Stash (STH) File			
Prompt for Password Once			
 Send Personal Certificate to Server if Rec Send Personal Certificate Trusted by Set 	quested		
C Select or Prompt for Personal Client Cer	dificate	Select ho	W
Cryptographic Support (PKCS#11)		Setup	

- \circ OK
- Then "Session Parameters"
- You may use a Screen Size 32x80 instead of 24x80. Please change the codepage to 1047

Session Parameters		
Soreen Size:	24x80 💌	
Session Type:	@ Display C Printer	
Host Code-Page:	1047 United States	+
Dan king Danamakan		
Graphics Parameters Enable Host Graphics:	Yes C No	
Graphics Parameters Enable Host Graphics Advanced Parameters:	Yes No Configure Graphics	

• **OK**

• You should be connected then







- This is a good moment to "Save" your session, using "File" "save as..."
- Tab to "System ===> and enter DIAL ZOS then to access the z/OS System





3 Session A - [24 x 80]

	Samid Samid Meller
Ele Edit View Communication Actions Window Help	
************	******
 Dallas Demonstration Center 	*
* z/OS DEMOpkg	*
* Enter an application name or a VTAM LOGON command	i. *
* Example: TSO userid or LOGON APPLID(applid)	*
* * * * * * * * * * * * * * * * * * * *	*****
TSO - TSO/E	
CICS - CICS/TS	
Above summer and a second	
IMS - IMS/ESA	
IBMSM - IBM SessMgr	
===>_	
MA	19/006
0.128 Comparted How on SELVE to see up compte service fact 120 25 151 120 up and 002	

- Enter TSO then to access the TSO
 - See "TSO Logon" for more information about the TSO Logon

Useful hints if you use IBM Personal Communication for the 3270 Session:

- "Press Enter" means press the left <STRG>-Key
- If the keyboard "hangs" (see a red sign on the lower left border), press the right <STRG>-Key to release the lock
- If you need to press a "special key", please press the right mouse button to see the keypad (additional keys, like PA1)





Access to ZEUS

For access you can either Via IBM Intranet: Use Personal Communication Via Internet: Use Host on Demand Via Internet: Use Personal Communication (with Certificate)

Via IBM Intranet: Use Personal Communication

- Start your saved 3270 emulation client (e.g. PCOMM) session

 connect to 129.35.161.131, port 23
- tab to "System ===>" and type "DIAL ZOS", then enter TSO

Via Internet: Use Host on Demand

- Start your Java enabled browser and connect to http://129.35.161.132/hod/HODCached_en.html
- login with username "univ", password "zcourse".
- Choose "Zeus z/VM SSL Internet"
- tab to "System ===>" and type "DIAL ZOS", then enter TSO

Via Internet: Use Personal Communication (with Certificate)

- Start your saved 3270 emulation client (e.g. PCOMM) session

 connect to 129.35.161.131, port 992
- tab to "System ===>" and type "DIAL ZOS". , then enter TSO

20 Session A - [24 x 80]		_ 🗆 🖂
Ele Edit View Communication Actions Window Help		
_Z/VM 5.1 ONLINE		
This is Zeus, the mainframe of the IBM zSeries University Program for Europe		
ZSeries //) / (/ / / (/ / / / / / / / / / /		
Access only permitted when authorized by explicit agreeme	nt with IE	BM
To access the Zeus z/OS system, type DIAL ZOS		
To access your own university's second-level z/VM system, type DIAL followed by its name, for example: DIAL FOOVM		
System ===>	RUNNING	ZEUSZVM
MA a		01/001
C 128 Comparison New york SSLV2 to see us complex secure linest 120, 25, 151, 120, using part 202		





TSO Logon

After success full accessing the ZEUS system, you can now LOGON to TSO (Time Sharing Option).

Please note your userid

And your password

교 <mark>입 Session A - [24 x 80]</mark> Elle Edit <u>View Communication Actions Window Help</u>	
Enter LOGON parameters below:	RACF LOGON parameters:
Userid ===> GROSSMA	
Password ===>	New Password ===> _
Procedure ===> SYSUSER	Group Ident ===>
Acct Nmbr ===> UNIVER	
Size ===> 4096	
Perform ===>	
Command ===>	
Enter an 'S' before each option desired below: -Nomail -Nonotice -Reconr	nect -OIDcard
PF1/PF13 ==> Help PF3/PF15 ==> Logoff PA1 ==> You may request specific help information by enter	> Attention PA2 ==> Reshow ing a '?' in any entry field
A a A A A A A A A A A A A A A A A A A A	08/071

Change password

On your first Logon (or whenever you want to), you must change your password. Please enter your New Password in the New Password field. You are required to enter your password to verify.

Successful Logon

After successful logon, you automaticly switch to the ISPF POM (Primary Option Menu). Please follow your lab exercises.





Instructor Information for Germany

TODO

Userids

Userid UID Comment GROSSMA SPECIAL and OPERATIONS FHBMSTR FHB0001 - 0030 FH Bochum – Instructor Userid FHKMSTR FHK01 – Instructor Userid FHK01 – Instructor Userid FH Köln – Instructor Userid FH Köln – Student Userids

Jobs and Datasets for Instructors

TODO ?? GROSSMA.x.JCL GROSSMA.ZPROF.xx

The orginal z/OS datasets from the z/OS basics handbook are allocated under ZEUS.ZSCHOOLAR.**

The working copy for germany is located

Prepare a course setup

Java Batch environment

Lead: Christian Strauer for Germany

First Time Course Setup

- request Userids by Uno
- copy ZEUS.ZSCHOLAR.XMIT to fhbMSTR.ZSCHOLAR.XMIT
- create Dump Dataset, using TSO Option 6, Command:
 - RECEIVE INDSNAME(ZSCHOLAR.XMIT)
 - Enter the following Options:
 - DSNAME(ZSCHOLAR.DUMP) SPACE(50,10) TRACKS NEW
- Import this ADRDSSU Dump Dataset, using a similar job like ... This will create a set of master datasets, which should not be customized.

o





- Rename or Copy the fhbMSTR.ZSCHOLAR.INST.CNTL to fhbMSTR.CLASS.INST.CNTL (to make sure on an other restore, this dataset where you do JCL class specific customization will not be overwritten)
- Prepare Instructor Datasets for the class. Customize fhbMSTR.CLASS.INST.CNTL(ZPROFDS)
 - C ZPROF.ZSCHOLAR fhbMSTR.ZSCHOLAR ALL
 - C ZPROF fhbMSTR ALL
 - o Submit
- Prepare the class datasets for the students. Customize
 - fhbMSTR.CLASS.INST.CNTL(ZCLASS)
 - Delete Step def alias (will be done during Uno's Userid Setup)
 - Delete Step create userids (will be done during Uno's Userid Setup)
 - C ZPROF.ZSCHOLAR fhbMSTR.ZSCHOLAR ALL
 - C ZUSER FHB00 ALL
 - o At the end of the Job Stream, add or delete the Student Userids you need

IDCAMS

0

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TODO:

- create job to delete all dataset from One User
- create job to delete all dataset from all users
- create job to reset all userids

Usefull jobs

- UIDRÉSET

to reset ONE userid password



Quick Setup for Students / FH Bochum

PC Logon Userid ibm Password ibm

Start Personal Communications from Desktop Password for Certificate

Enter DIAL ZOS

Optional HoD (Host on Demand) PC Logon Userid ibm Password ibm

Start Internetbrowser Firefox (using Shortcut on Desktop) Doubleclick on HoD Shortcurt

Hod User univ HoD Password xxxxx

DIAL ZOS







Trouble Shooting / FAQ:

Q: My Certificate for Personal Communications will not work A: You may have to install the Certificate to Windows first.

Double Click on the *.crt File, then follow the dialogs.:

n rite - security warning	
you want to open this file?	
Name: zeusself-oublic.crt	
Publisher Unknown Publisher	
Type: Security Certificate	
From: Cr\IBM_Daten_aktuell\Universit	VZEUS Access
Qpen	Cance
An and a state of the	
Always ask before opening this file	
ficate	2
in a star	
eral Details Certification Path	
Certificate Information	
Certificate Information This CA Root certificate is not trusted. To enainstall this certificate in the Trusted Root Cert Authorities store.	ble trust, ification
Certificate Information This CA Root certificate is not trusted. To enal install this certificate in the Trusted Root Cert Authorities store. Issued to: zeuszvm.mop.fr.ibm.com	ble trust, ification
Certificate Information This CA Root certificate is not trusted. To enal install this certificate in the Trusted Root Cert Authorities store. Issued to: zeuszvm.mop.fr.ibm.com Issued by: zeuszvm.mop.fr.ibm.com	ble trust, ification
Certificate Information This CA Root certificate is not trusted. To enainstall this certificate in the Trusted Root Cert Authorities store. Issued to: zeuszvm.mop.fr.ibm.com Issued by: zeuszvm.mop.fr.ibm.com Valid from 03.07.2005 to 04.07.2008	ble trust, ification





	Welcome to the Coutificate Import
Text	Wizard
	This wizard helps you copy certificates, certificate trust lists, and certificate revocation lists from your disk to a certificate store.
	A certificate, which is issued by a certification authority, is a confirmation of your identity and contains information used to protect data or to establish secure network connections. A certificate store is the system area where certificates are kept.
-	To continue, dick Next.
- 1	
	< Back Next > Cancel

ertifica	rtificate Import Wizard	
Certif	icate Store rtificate stores are system areas where certificates are kept.	
W	ndows can automatically select a certificate store, or you can specify a location for	
	Automatically select the certificate store based on the type of certificate	
	O Bace all certificates in the following store	
	Browse	
	< Back Next > Cancel	
	and the second	







	cate Import Wizard
	Completing the Certificate Import Wizard You have successfully completed the Certificate Import Wou have specified the following settings: Certificate Store Selected Automatically determined by 1 Content
	<book cancel<="" finish="" th=""></book>
Security	Warning
<u> </u>	You are about to install a certificate from a certification authority (CA) daiming to represent: zeuszvm.mop.fr.ibm.com Windows cannot validate that the certificate is actually from "zeuszvm.mop.fr.ibm.com", You should confirm its origin by contacting "zeuszvm.mop.fr.ibm.c following number will assist you in this process:
	Thumbprint (sha1): C5B3FF94 403F4156 53B5A523 E3BBDF38 E8D4C8A5 Warning: If you install this root certificate, Windows will automatically trust any certificate issued by this CA. Installing a certificate with an unconfirmed thumbprint i risk. If you click "Yee" you advowledge this risk.
	Do you want to install this certificate?

End of installing the Certificate to Windows XP

OK

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security