

Power Development Platform Connecting to your PDP system user guide

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FOREWORD

This document is intended for the users trying to access PDP for the first time. This document assumes that you have a PDP reservation that is in 'ACTIVE' state.

The installation instructions have been documented considering Windows as the OS on Local client. The steps hold good for a MAC OS or Linux machine as well.

Note: If you are yet to make a PDP reservation, please use the following web link for creating one.

https://public.dhe.ibm.com/partnerworld/pub/pdp/create_pdp_reservation_guide.pdf

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Where to get your PDP VPN and Reservation information like User ID, Password and IP Addresses

For VPN appliance's IP address, User ID and Initial password, click on "VPN Network Access" button in "Access Program Information" section of the main page under the Programs tab of PDP web site:

- Launch the PDP web site: <u>www.ibm.com/partnerworld/pdp</u> Click on the 'Programs' tab.
- Log in with your PartnerWorld user ID (IBM ID) and password.
- Click on "VPN Network Access" button and note the details related to VPN connection.

Access program information			
\rightarrow My profile	ightarrow My saved images	\rightarrow My agreement	\rightarrow My support
→ VPN Network Access	\rightarrow My projects		

VPN Network Access details will be displayed as follows for active reservations (please note that your id and password will vary and the password will not be assigned until reservation is active).

VPN Network Access	
Details ①	
VPN appliance IP address 129.33.247.60	
User ID q0000910	
Initial / last reset VPN password gvax6krz	
PDF Download connection user guide	Reset VPN Password Cancel

<u>Note</u>: To reset your VPN password you can make use of "Reset VPN Password" Button. This button will be disabled until your reservation is active.

To obtain your PDP reserved system's IP address details, please use the following steps:

1. Click on the "My Projects" button under "Access Program Information" section of the main page which displays all booked reservations.

Access program information \rightarrow My profile \rightarrow My saved images \rightarrow My agreement \rightarrow My support \rightarrow VPN Network Access \rightarrow My projects \rightarrow My projects \rightarrow My projects

My Projects



← Return to My Program Access

2. Click on the "Open reservations" button to display the details of the selected project.



The PDP reservation IP address, User IDs (u00xxxxx & root) and Initial passwords are displayed.

Reservation	Architecture	
9085	IBM POWER 8	
Operating system	State	
BM AIX 7.2	Active	
CPUs	Memory (MB)	
6.77	2048	
Disk space (GB)	Temp disk size (GB)	
35	0	
P address	Initial/last root pw	
172.29.179.121	mpny7sir	
Jser id	Initial/last user pw	
10000910	pclf3dqj	
Reset Partition	Reset Password Save Image	Create support request
Reservation history		

My Reservations

Also you will see options to perform operations like Reset Password, Reset Partition, Save Image, Reservation History etc.

Establish VPN connection between your local client and PDP network

Connectivity between your local client and PDP network is established using a VPN appliance.

This involves

- 1. Installing VPN client
- 2. Configuring VPN client for establishing the connection.

Please refer to the Appendix of this document for more information about VPN connectivity.

How to install VPN Client

In PDP, VPN connectivity is established using the browser based VPN appliance called Cisco Anytime Connect. Please refer to the following steps for installing VPN appliance (Of course for first time users).

Launch a browser and enter the url https://vpnisv.isv.ihost.com or https://129.33.247.60 and press Enter.

Provide the VPN user name & password and Click on Login

Login
Please enter your username and password.
GROUP: -PDP-PIC ▼ USERNAME: PASSWORD:
Login

Click on continue.





You may get a prompt to run addon for ActiveX Controls. Please allow the addons and click on Run.



5. Installation of VPN appliance will take place (first time users) and once the installation is completed, appliance will try to establish VPN connection. You would see following screens during installation.

Note: Following window may show up during installation because firewall on your system may prompt you to allow vpndowloader.exe, vpnagent.exe and vpnui.exe files. Please allow ONLY these files and connection to this VPN server.

Please wait.	
	×

Next, VPN software would be downloaded and installed on your local machine.

6. VPN 4.4 is successfully upgraded/installed .



You would see the following screen, once the connection is successfully established and an icon in system tray would also be visible



Note: Please refer to the next section, if you are encountering issues while installing VPN client.

Encountering issues while installing VPN client:

In case you are encountering security related issues while installing VPN client, please do the following: You might notice that the connection is Insecure. During this prompt, please click on "Add Exception".

D https://129.33.247.60	C Search	☆ 自 ♥	+ ☆ ★
st Visited 🖪 Getting Started 📙 IBN	4 🛐 Mail 🥳 Openfire Admin	ı Cons 🚾 Box 🔷 Respor	ises - Medallia
	tion is not a		
Your connec	tion is not s	secure	
The owner of 129 33 247 60 ha	s configured their website	improperly. To protect	vour information
from being stolen, Firefox has	not connected to this web	site.	your mornation
Learn more			
Go Back		Γ	Advanced
			Havancea
Report errors like this to	nelp Mozilla identify and b	olock malicious sites	
129.33.247.60 uses an invalid	security certificate.		
129.33.247.60 uses an invalid The certificate is only valid for v	security certificate. /pnisv.isv.ihost.com		
129.33.247.60 uses an invalid The certificate is only valid for v Error code: SSL ERROR BAD C	security certificate. /pnisv.isv.ihost.com ERT DOMAIN		

Confirm the Security exception

Legitimate banks, stores, and ot	her public sites will not ask	: you to do this.
erver ocation: https://129.33.247.60/		<u>G</u> et Certificate
Certificate Status		
his site attempts to identify itself with inv	valid information.	<u>V</u> iew
Yrong Site		
he certificate belongs to a different site, v	which could mean that som	neone is trying to
mpersonate this site.		

Click on Continue



At this point, the VPN client would need to be installed manually. So you may continue with manual installation or download the .exe file and manually install the VPN client. Click on "AnyconnectVPN" in the below screen shot to download VPN manually.

cisco AnyConnect Secure Mobility Client				
🚳 WebLaunch	Manual Installation			
 Platform Detection 	Web-based installation was unsuccessful. If you wish to install the Cisco AnyConnect Secure Mobility Client, you may download an installer package.			
- ActiveX	Install module(s) below in the listed sequence. Platforms supported: Windows 7 SP1 or newer			
Java Detection				
🔄 - Java	AnyConnect VPN			
🗌 - Download	Alternatively, <u>retry</u> the automatic installation.			
🗌 - Connected				
	Help Download			

File ready to be saved.

Opening anyconnect-win-4.4.04030-core-vpn-webdeploy-k9.exe	×
You have chosen to open:	
📧 anyconnect-win-4.4.04030-core-ypn-webdeploy-k9.exe	
which is: Binary File (4.9 MB)	
from: https://129.33.247.60	
Would you like to save this file?	
Save File Cance	

Open the the saved file and click on Run to start the installation

Open File	- Security V	Varning 🗾
Do you	ı w ant to ru	n this file?
	Name: Publisher: Type: From:	<u>nect-win-4,4,04030-core-vpn-webdeploy-k9,exe</u> <u>Cisco Systems, Inc.</u> Application C:\Users\IBM_ADMIN\Downloads\anyconnect-w
🔽 Alwa	ys ask before	e opening this file
	While files fr potentially h you trust. <u>W</u>	rom the Internet can be useful, this file type can arm your computer. Only run software from publishers <u>'hat's the risk?</u>

Click Next on the setup wizard.



Accept the License Agreement and click next. Click on install in the next popup.

😸 Cisco AnyConnect Secure Mobility Client Setup	Open menu 🛛 🗾
End-User License Agreement Please read the following license agreement carefully	20
Supplemental End User License for AnyConnect® Secure Mobility and other VPN-related Sof	Agreement â y Client v4.x tware
IMPORTANT: READ CAREFULLY	
This Supplemental End User License Agreement additional terms and conditions for the Software Produc	("SEULA") contains
I accept the terms in the License Agreement	
\bigcirc I do not accept the terms in the License Agreement	
Advanced Installer	
< Back	Next > Cancel

Click on Finish to complete the installation.



After successful installation launch "Cisco AnyConnect Secure Mobility Client" From start menu.



While connecting to the VPN if you get a pop up window about security warning about "Untrusted Server Blocked", click on Change settings.



Uncheck the "Block connections to untrusted servers"



Resulting in



On the next window, check the checkbox "Always trust this VPN server and import the certificate" and Click on "Connect Anyway" button

🔊 Cisco AnyC	Connect Secure Mobility Client				
	Security Warning: Untrusted Server Certificate!				
	AnyConnect cannot verify server: 129.33.247.60				
	Certificate does not match the server name.				
	Connecting to this server may result in a severe security compromise! Security Risks Explained				
	Most users do not connect to untrusted servers unless the reason for the error condition is known.				
	Connect Anyway Cancel Connection				

II. Configure & Establish the VPN Connection

To establish or reconnect to the VPN gateway, click on the Cisco Anytime Connect icon in the system tray or launch it from "All Programs".

Enter the host name as "vpnisv.isv.ihost.com" and click on connect

S Cisco AnyCo	Nnect Secure Mobility Client	assword.
-	vpnisv.isv.ihost.com	Connect
\$ (i)		alfadha cisco

Note: You may alternatively use the IP: 129.33.247.60 instead of "vpnisv.isv.ihost.com"

To connect to a PDP Linux VM or AIX/IBM i LPAR, please ensure you have -PDP-PIC selected in group, enter the VPN username and Password details (possibly once again) and click "Connect".

	Please enter	your username and password.
_	Group:	-PDP-PIC 🔻
	Username:	u0015726
	Password:	[

Click on "Accept" Button in next window.

Cisco AnyConnect	
Welcome to the Power Development Platform	*
Accept Disconne	- ct

If you are connecting to a PDC VMaaS VM (e.g. HDP / HDF Demo) please ensure HWCICD selected in group,

\cap	Please ente	r your username and password.
_	Group:	HWCICD -
	Username:	
	Password:	

Click on "Accept" Button in next window.

Cisco AnyConnect		
Welcome to PIC 2.0	*	
	- Accept Disconnect]

You will see the following window/ message near system tray which confirms establishing of VPN connection.



Configuring PuTTy client to access AIX or Linux systems

The following instructions explain how to connect to your PDP reserved system after you are connected to the PDP Network.

Windows systems can use the PuTTY client, available at:

http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html

See <u>Appendix B</u> for information on the installation and usage of PuTTY.

Note: IBM does not make any recommendations about the use of this client. Please read the documentation and disclaimers that come with it.

You can use PuTTY to connect to your PDP reserved system (Telnet is not enabled on AIX and Linux PDP systems)

Start PuTTY. This example illustrates using PuTTY in Windows environment.



Enter the IP address of your PDP reserved system in the Host Name (or IP address) and select SSH under Protocol.

Press the Open button, and a new SSH session will open. Log in with your User ID and password.

You may be prompted to change your password. Enter your OLD password first and then enter your NEW password twice. You have now successfully completed connection to your PDP reserved system

Connecting to IBM i Systems:

Once VPN connection is established, you can access your i5/OS system by using the 5250 emulator (recommended) . The following describes how to use the tn5250 emulator.

How to obtain a tn5250 emulator client:

You can use the 5250 emulator from iSeries Access or IBM Personal Communications. An additional site for the tn5250 client is: <u>http://sourceforge.net/project/showfiles.php?group_id=27533</u>

IBM does not make any recommendations about the use of this client. Please read the documentation and disclaimers that come with it.

How to connect to your PDP reserved system with the tn5250 emulator client:

Connect to the VPN as described in earlier steps.

Now, start your 5250 emulator client and enter the IP address of the PDP reserved system.

Host to connect to: 172.29.XXXX	~
Device Name:	_
Use SSL Encryption	Terminal Size
Verify Server's SSL certificate	
Auto-copy, Right-click paste	C 27 x 132
Char map: 37	

Ele Edit View Help		
	Sign On System V13 Subsystem QIN Display QPP	31201 NTER NDEV0001
User Password Program/procedur Menu Current library	· · · · · · · · · · · · · · · · · · ·	
5250	(C) COPYRIGHT IBM CORP. 1980, 20	003. 053/006

3. User can login to the tn5250 emulator using the username or QSECOFR with respective password.

You will be prompted to change your password during first time sign-on. Enter your OLD password first and then enter your NEW password twice.

You are now signed into your reserved PDP system and can proceed with exploring the system.

th5250 172.29.131.201			
MAIN Select one of the follo	OS/400 Main Menu wing:	System:	V131201
 User tasks Office tasks General system Files, librarie Programming Communications Define or chang Problem handlin Display a menu Information Ass iseries Access 	tasks s, and folders e the system g istant options tasks		
90. Sign off			
Selection or command			
F3=Exit F4=Prompt F F23=Set initial menu	9=Retrieve F12=Cancel	F13=Information Ass	istant
(C) COPYRIGHT IBM CORP.	1980, 2003.		007/020

Appendix A: How to Install and Run the PuTTY Client

To obtain PuTTY, you can go to several sites. A suggestion to get PuTTY is to go to this site: <u>http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html</u>

Scroll down the page and find your operating system. Double click the PuTTY.exe file so you can download the program.

Alternativ	e binary files			
The installer	packages above will provide all of t	nese (except PuTTYtel), but y	you can download them one by one if you prefe	r.
(Not sure wh	ether you want the 32-bit or the 64-l	oit version? Read the FAQ en	try.)	
putty.exe (the SSH and Telnet client itself)			
32-bit:	putty.exe	(or by FTP)	(signature)	
64-bit:	putty.exe	(or by FTP)	(signature)	
pscp.exe (a	n SCP client, i.e. command-line se	cure file copy)		
32-bit:	pscp.exe	(or by FTP)	(signature)	
64-bit:	pscp.exe	(or by FTP)	(signature)	
psftp.exe (an SFTP client, i.e. general file tra	nsfer sessions much like FT	P)	
32-bit:	psftp.exe	(or by FTP)	(signature)	
64-bit:	psftp.exe	(or by FTP)	(signature)	
puttytel.ex	xe (a Telnet-only client)			
32-bit:	puttytel.exe	(or by FTP)	(signature)	
64-bit:	puttytel.exe	(or by FTP)	(signature)	
plink.exe (a command-line interface to the P	uTTY back ends)		
32-bit:	plink.exe	(or by FTP)	(signature)	
64-bit:	plink.exe	(or by FTP)	(signature)	
pageant.exe	e (an SSH authentication agent fo	r PuTTY, PSCP, PSFTP, a	nd Plink)	
32-bit:	pageant.exe	(or by FTP)	(signature)	
64-bit:	pageant.exe	(or by FTP)	(signature)	
puttygen.ex	xe (a RSA and DSA key generatio	on utility)		
32-bit:	puttygen.exe	(or by FTP)	(signature)	
64-bit:	puttygen.exe	(or by FTP)	(signature)	
putty.zip(a .ZIP archive of all the above)			
32-bit:	putty.zip	(or by FTP)	(signature)	
64-bit:	putty.zip	(or by FTP)	(signature)	

A Save File Dialog will pop up. Choose the Option to Save the File. Pick a location to save your file, such as <u>C:\temp</u>.

Run PuTTY by first locating the PuTTY.exe file and double clicking on the PuTTY.exe file to run the program.

The PuTTY Dialog box will pop up.

itegory:			
E Session		Basic options for your PuTTY se	ession
Eugging Teminal		Specify your connection by host name or Host Name (or IP address)	IP address - Port
Reyboard			23
Features Window		Protocol:	⊖ ssh
Appearance Behaviour Translation		Load, save or delete a stored session Saved Sessions	-
Colours Colours	Colours	Default Settings	Load
Proxy Telnet			Save Delete
Rlogin SSH			
Auth X11		Close window on exit: Always Never Only on o	clean exit
Tunnele	~		

Under Saved Sessions, Select Default Settings, then click on the Load button. Now Under the Category list on the Left hand side, select SSH.

You will see this dialog box, under Preferred SSH Protocol Version, Select 2.

Under the category dialog box on the left hand side, select "Session". Now select SSH under the protocol session.

🕵 PuTTY Configuratio	n Sh	ow your bookmarks (Ctrl+Shift+B)	? 💌
Category:			
- Session		Basic options for your PuTTY	session
Err Terminal Err Keyboard Err Bell		Specify the destination you want to con Host Name (or IP address)	Port 22
Features		Connection type: ◯ Raw ◯ Telnet ◯ Rlogin ◉ St	SH 🔘 Serial
	Е	Load, save or delete a stored session Saved Sessions	_
Colours Connection Data Proxy Telnet Placin		Default Settings FQ X ctrl dn1 dn2	Load Save Delete
SSH → SSH → Kex → Auth → TTY → X11	Ţ	dn3 Close window on exit: Always Never Only on	clean exit
About	Help	Open	Cancel

Select default setting under "Saved sessions" and click the save button. You now have saved the settings that you have just configured so by default you will use SSH protocol 2 when you use PuTTY.

Appendix B: What is a virtual private network (VPN)?

A virtual private network (VPN) is private network that uses a public network, such as the Internet, to create a secure private connection through a private tunnel. A VPN uses a virtual connection that is routed from a company's private network through the internet to a remote system or site. The VPN connection creates a secure connection between the user's machine and the remote network giving that user local access to the remote site. The user can then have access to the remote company's network as if they were locally connected to that company's network.

