



**COMMON**  
N E D E R L A N D

**Blue Power**

# **IBM Virtual Loaner Program**

**Infrastructure as a Service**

**COMME  
ON**

8 december 2010

# IBM Virtual Loaner Program

**COMMON**  
N E D E R L A N D

- Voorbeeld van Cloud en IBM i (ook AIX, Linux)
- Gratis een IBM i server tijdelijk gebruiken
- Standaard 5 dagen, max 14 dagen, kan 1x 20% verlengd worden
- Om te testen, voor een demo
- Voor IBM Business Partners
- URL: <http://www.ibm.com/systems/vlp>
- Infrastructure as a Service



# Make a reservation

IBM PartnerWorld > Products > Systems, servers and storage >

## Virtual Loaner Program

IBM hardware access

About VLP

Reservation management

VLP support

Overview

Details

Middleware

FAQs

Get help

How to

What's new

Testimonials

Example uses

VLP blog



### Why IBM Virtual Loaner Program?

The Virtual Loaner Program (VLP) offers no-charge remote access to IBM hardware, including IBM POWER7™, IBM POWER6™ and IBM POWER5™ processor-based servers on IBM AIX®, IBM i and Linux® operating systems.

IBM PartnerWorld > Products > Systems, servers and storage >

## Virtual Loaner Program

IBM hardware access

About VLP | Reservation management | VLP support

New reservation | My reservations | Connection information | How to |  
Images | VPN clients | My profile | License agreement |

[Need help with this page?](#)

### New Reservation Request

Notice: Effective December 1, 2010, we will sunset the capability to request IBM i V6R1 on POWER5 (i5) architecture hardware. You will still be able to request IBM i V6R1 on POWER6 and POWER7 hardware. IBM i V6R1 images created on POWER5 can be restored to POWER 6 or POWER7 hardware provided the active system used less than 70Gb of disk space.

We have your email address listed as [rob.freeing@caggemini.com](mailto:rob.freeing@caggemini.com). If this is not correct, please change it in the [My profile](#) tab prior to making a reservation to assured that VLP emails are sent to the correct email address.

Select a company: Caggemini Nederland B.V., Utrecht ▾

Enter a promotional code:  [What is a promotional code and how do I get one?](#)  
(if any)

➔ Create new reservation



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## Reservation request form

### No-charge access

The fields indicated with an asterisk (\*) are required to complete this transaction.

### Project name: \*

(maximum characters 64)

### Project description: \*

(maximum characters 256)

### Project opportunity: \*

- Bid situation(time sensitive)
- Revenue opportunity(next 12 months)
- Market opportunity(next 36 months)
- Potential new customer
- Existing customer support
- Other



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**Project classification: \***

- Development
- Build and test
- Compile
- Debug
- Migration
- Port
- Proof of concept
- Whitepaper/redpaper
- Other development activity
- Educational
- Learn
- Training class
- University program
- Evaluation of IBM product
- VLP-try out VLP
- Other educational activity
- Marketing
- Build demonstration environment
- HW demonstration
- Middleware demonstration

**Current local date/time:**

December 1, 2010 9:24 PM

**Start date: \***

December 1, 2010  
11:40 PM

**End date: \***

December 6, 2010  
11:40 PM



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## VLP resource selection

The fields indicated with an asterisk (\*) are required to complete this transaction.

Select an image category:\*

Select a standard image:\*

IBM i 7.1  
IBM i 6.1  
i5/OS V5R4

Select an architecture:\*

POWER7  
POWER6

Enable Active Memory Expansion on POWER7: ?

Yes  No

Select CPUs \*

Select memory in GB: \*

Available disk space in GB:

Will this set of resources be used to validate your application(s) on an IBM platform?

Yes  No



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**Resource cart**

Operating system	Architecture	CPUs	Memory	Disk space	Remove
IBM i 7.1	POWER7	1	2	20	

Check for availability
 Cancel

**Project name:** Common NL 2  
**Project description:** Common NL  
**Start date:** Dec 1, 2010 11:40 PM - OPTIONAL  
**End date:** Dec 6, 2010 11:40 PM

Operating system	Architecture	CPUs	Memory	Disk space
IBM i 7.1	POWER7	1	2	20

Are you ready to commit?

Commit
 Edit
 Cancel



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About VLP    **Reservation management**    VLP support

New reservation | **My reservations** | Connection information | How to |  
 Images | VPN clients | My profile | License agreement |

[Need help with this page?](#)

Manage your reservations here. Beginning from this page you can view reservation details, reset your partition, extend your reservation end date, end your reservation early or cancel your reservation, .... Click on one of your "Active" project names for more details. You will receive email notification at the time that your reservation is active that includes connectivity, logon, and password information. Get prepared by visiting our [How to](#) page.

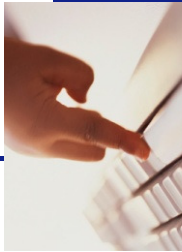
## Projects

Company name: Capgemini Nederland B.V., Utrecht




Project name	Start date	End date	Status
<a href="#">Common NL</a>	Nov 30, 2010 5:49 PM	Dec 5, 2010 5:49 PM	Active

**Current local date/time:** December 1, 2010 9:36 PM

Note: To save an image for a given project, begin by clicking on the project name link.




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Connection information for " Capgemini Nederland B.V. Utrecht "			
 <b>Reset VPN/SSH passwords</b>			
<b>VPN appliance IP address:</b>	<b>User ID:</b>	<b>Initial / last reset VPN password:</b>	
198.81.193.16	u0010386	hzxc7ako	
<b>SSH gateway IP address:</b>	<b>User ID:</b>	<b>Initial / last reset SSH password:</b>	
198.81.193.104	u0010386	hzxc7ako	
Project details			
<b>Project name:</b>	<b>Select a project action:</b>		
Common NL	<input type="text" value="Select"/>  		
<b>Start date:</b>	<b>End date:</b>		
Nov 30, 2010 5:49 PM	Dec 5, 2010 5:49 PM		
<b>Project description:</b>	<b>Project objective:</b>		
Common presentation	Educational: VLP-try_out_VLP		

Select: extend project, end project early, cancel project



# Blue Power

Reservation(s) information			
<b>Res ID: 34109</b>			
<b>State</b>	<b>Operating system</b>	<b>Architecture</b>	<b>Select a reservation action:</b>
ACTIVE	IBM i 7.1	POWER7	Select 
<b>CPUs</b>	<b>Memory</b>	<b>Disk space</b>	<b>Temp disk size</b>
1	2048	20	0
<b>IP address</b>	<b>User ID</b>	<b>Initial/last reset user password</b>	<b>Initial/last reset root or QSECOFR password</b>
172.29.150.89	u0010386	aiod1hng	pfmq5rst
<b>Last saved image name</b>	<b>Saved image description</b>	<b>Creation date</b>	
		<a href="#">All my images...</a>	
<b>Last recorded event</b>	<b>Time</b>		
Allocated public IP 172.29.150.89 and private IP 10.153.21.17	Nov 30, 2010 5:32:41 PM		<a href="#">More events...</a>

Select: reset partition, reset password, save image



# Blue Power

- Reservering wordt gemaakt na Commit
- Wacht op e-mail met bevestiging
- Aanmaken duurt ongeveer 2 uur
- Dan komt weer een e-mail met informatie
- Documentatie op de website




## Connection informaton

**Company name:** Capgemini Nederland B.V.,  
Utrecht

**VPN appliance IP address:** 198.81.193.16

**User ID:** u0010386

**Initial / last reset VPN password:** hzxc7ako

 **Reset Passwords**

**SSH gateway IP address:** 198.81.193.104

**User ID:** u0010386

**Initial / last reset SSH password:** hzxc7ako

Note: when resetting VPN and SSH passwords, please allow 15 minutes for the VPN password to update prior to logging into the VPN appliance (no wait required for the SSH gateway).



# VPN client (Cisco)

## Blue Power

In order to access the VLP via VPN, you will need to download Cisco VPN client software below for the appropriate client platform. Your use of the Cisco VPN client software is subject to the [license agreement \(650 KB\)](#).

By downloading any Cisco VPN client software, you demonstrate your agreement to abide by the license agreement.

Additionally, when you no longer plan to participate in VLP, you will destroy all copies of the Cisco VPN client software you have downloaded.

Download Cisco VPN client software		
Platform	Download	Read me file
Linux	<a href="#">vpncient-linux-x86_64-4.8.02.0030-k9.tar.gz (1.95 MB)</a>	<a href="#">vpncient-linux-x86_64--4_8_02_0030-readme.txt</a>
Solaris	<a href="#">vpncient-solaris-4.6.02.0030-k9.tar.gz (3.0 MB)</a>	<a href="#">vpncient-solaris-4.6.02.0030-readme.txt</a>
Macintosh	<a href="#">vpncient-darwin-4.9.01.0180-universal-k9.dmg (14.4 MB)</a>	<a href="#">vpncient-darwin-4_9_1_0180-readme.txt</a>
Windows	<a href="#">vpncient-win-msi-5.0.05.0290-k9.exe (11.0 MB)</a>	<a href="#">vpncient-win-msi-5_0_05_0290-readme.txt</a>



# Aanmaken VPN profile

VPN Client | Create New VPN Connection Entry

Connection Entry: IBMDTSC  
Description: IBMDTSC  
Host: 198.81.193.16

Authentication: Transport | Backup Servers | Dial-Up

Group Authentication     Mutual Group Authentication

Name: ibmdtsc  
Password: \*\*\*\*\*  
Confirm Password: \*\*\*\*\*

Certificate Authentication

Name:   
 Send CA Certificate Chain

Erase User Password

VPN Client | Create New VPN Connection Entry

Connection Entry: IBMDTSC  
Description: IBMDTSC  
Host: 198.81.193.16

Authentication: Transport | Backup Servers | Dial-Up

Enable Transparent Tunneling

IPsec over UDP (NAT/PAT)  
 IPsec over ICP    TCP Port: 10000

Time (s): 90

Save    Cancel

VPN Client | User Authentication for "IBMDTSC..."

Enter Username and Password.

Username: u0010386  
Password: \*\*\*\*\*

OK    Cancel





Voeg IBMVL P toe aan hosts file



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Signon to iSeries

Server: IBMVLP

User ID: U0010386

Password: aaaaaaaaaa

OK Cancel

Change iSeries Password

Server: IBMVLP

User ID: U0010386

Passwords

Old: aaaaaaaaaa

New: aaaaaaaaaa

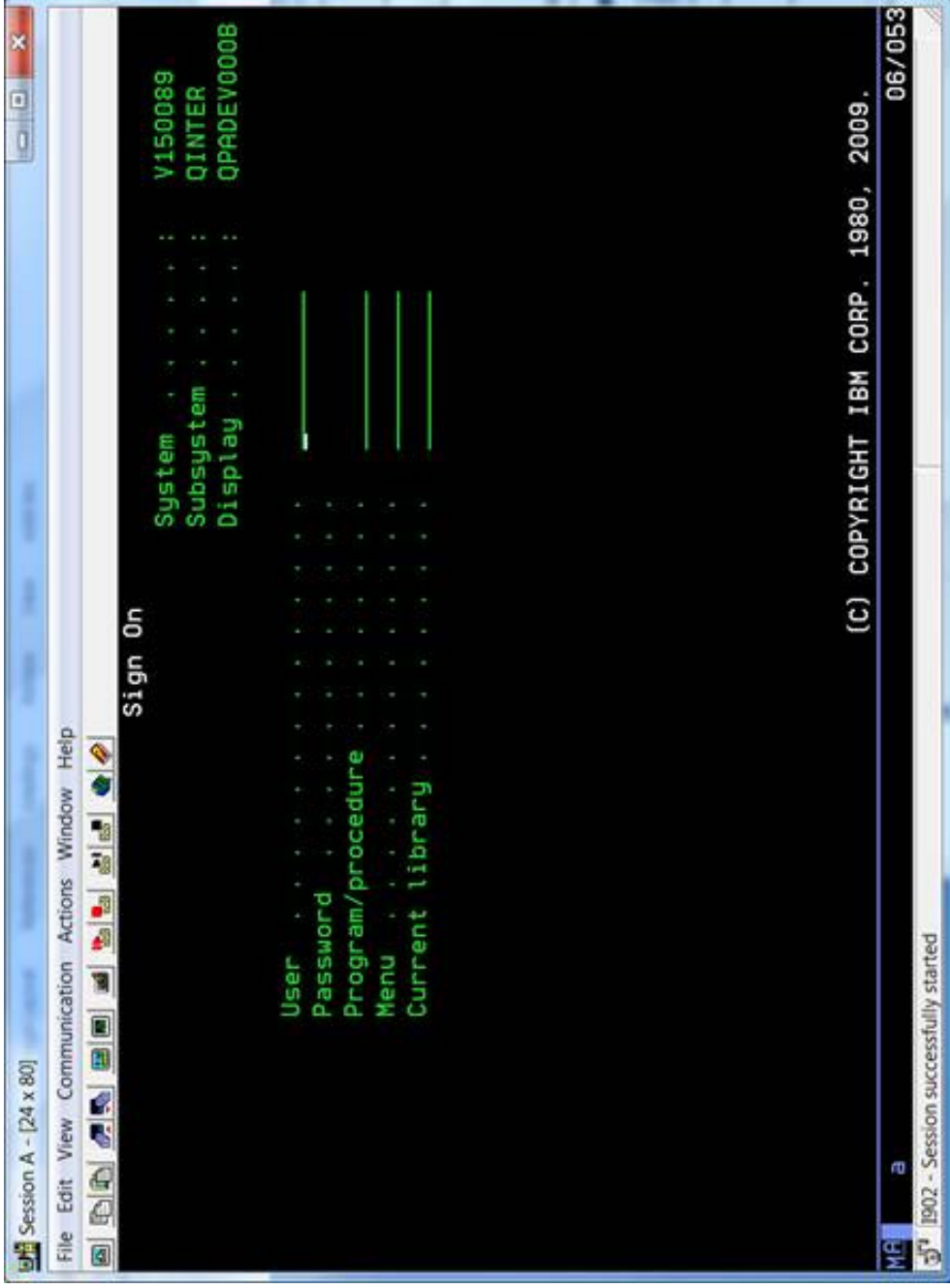
Confirm: aaaaaaaaaa

OK Cancel



# Success!

# Blue Power



# Geïnstalleerde software

- IBM i 7.1
- Basis componenten, zoals Host Servers, qshell, PASE
- HTTP Server
- DataPropagator
- Advanced Job Scheduler
- JAVA
- Performance Tools
- WebQuery
- OpenSSH, OpenSSL, zlib
- Rational Development Studio for i, RPG, COBOL, C, C++
- IBM i Access
- Géén WebSphere licensed programs
- PTF level 10047





# File upload via FTP

```
Administrator: C:\Windows\system32\cmd.exe - ftp ibmvlp
C:\Users\rfreelin>ftp ibmvlp
Connected to ibmvlp.
220-QTCP at v150089.dal-ebis.ihost.com.
220 Connection will close if idle more than 5 minutes.
User (ibmvlp:(none)): u0010386
331 Enter password.
Password:
230 U0010386 logged on.
ftp> pwd
257 "QGPL" is current library.
ftp> cd rfreelin
250 "RFREELIN" is current library.
ftp> lcd d:\
Local directory now D:\.
ftp> quote site namefmt 1
250 Now using naming format "1".
ftp> bin
200 Representation type is binary IMAGE.
ftp> put rfreelin.savf
200 PORT subcommand request successful.
150 Sending file to member RFREELIN in file RFREELIN in library RFREELIN.
226 File transfer completed successfully.
ftp: 11341400 bytes sent in 455.77Seconds 248.84Kbytes/sec.
ftp>
```

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Session A - [27 x 132]

Columns: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

RFREELTM/SQLSRC  
FASTANDARD

\*\*\*\*\* Beginning of data \*\*\*\*\*

0001,00 / \*\*\*\*\*

0002,00 /\* PARIS US8PARF(ADMINER) LOG(EYES)

0003,00 /\* DISPATCH USE40PAUT(IND)

0004,00 /\*

0005,00 /\*

0006,00 /\*

0007,00 /\*

0008,00 /\*

0009,00 /\*

0010,00 /\*

0011,00 /\*

0012,00 /\*

0013,00 /\*

0014,00 /\*

0015,00 /\*

0016,00 /\*

0017,00 /\*

0018,00 /\*

0019,00 /\*

Program: Author: **Rob (realing) Cappellini** Outsourcing BY

Command: Date: 04-nov-2007

Version: 0,00

Description:

Parameters: None.

Called programs:

Called commands:

Called objects:

F3=Exit F5=Refresh F9=Retrieve F10=Cursor F11=Toggle F12=Cancel  
F16=Repeat find F24=Home keys

(C) COPYRIGHT IBM CORP. 1981, 2007.

02/009

1902 - Session successfully started

## Tutorial & FAQs








-  VLP FAQs (1 MB)
-  Online tutorial: Creating and managing an IBM VLP reservation (with audio) (6.12 MB)
-  Online tutorial: Creating and managing an IBM VLP reservation (no audio) (2.28 MB)
-  Online tutorial: Creating and managing an IBM VLP reservation (script) (38 KB)

## Connectivity


-  [Connecting to Your VLP System - A User Guide v2](#) (1 MB)
-  [Test your bandwidth speeds at http://www.speedtest.net](http://www.speedtest.net)

Recommended minimum bandwidth speeds to use VLP: 700 kbps download and 250 kbps upload. VLP systems are located in Dallas, TX, USA.

## Advanced Functionality

-  VLP - Using Save & Restore v2 (725 KB)
-  AIX 6 live application mobility user guide (1.96 MB)
-  Using PowerVM Live Partition Mobility with your VLP engagement - A User Guide (131 KB)
-  VLP Active Memory Expansion User Guide (75 KB)
-  VLP Versioned WPAR User Guide (112 KB)
-  AIX & Linux Secondary Language Enablement User Guide v2.0 (144 KB)
-  → i5OS Secondary Language Enablement User Guide (3 KB)

## Middleware & Applications

-  VLP-SAC (Software Access Catalog) user guide (202 KB)
-  → VLP i5/OS Software User Guide (45 KB)
-  IBM Industry Application Platform VLP guide v1.0 (1.05 MB)
-  VLP Setup Guide for Informix Dynamic Server v2.0 (509 KB)
-  VLP Setup Guide for Informix Dynamic Server v1.3 (118 KB)



# Save image

Reservation(s) information			
Res ID:	34109		
State	Operating system	Architecture	Select a reservation action:
ACTIVE	IBM i 7.1	POWER7	Save image... →
CPIUs	Memory	Disk space	Temp
1	2048	20	0
IP address	User ID	Initial/last reset user password	Initial/last password
172.29.150.89	u0010386	aiod1hng	pfng5rst
Last saved image name	Saved image description		
Last recorded event	Time		
EXTENDED	Dec 3, 2010 10:01:19		

The fields indicated with an asterisk (\*) are required to complete this transaction.

**Save image: \***

Save now  Save when reservation ends

**Image name: \***

SavedImageDec05

Note: Image name cannot have any blank spaces

**Image description: \***  
(maximum characters 256)

Saved image December 05



In order to perform a save image the system must be reset and user access must be disabled while the save image command is initiated. Once reset has completed and the save image command has been accepted by the system then the user access is enabled and the partition is active and available to the user.

The system is now resetting and initiating the save image command. You should have access to your system in 3 hours. The save image command takes anywhere from one to three hours to complete, depending on the image size. You will be not able to access and utilize the system while this is completing.



Res ID:

34109

# Samenvatting

- Aanvragen reservering, wacht 2 uur
- VPN client installeren en configureren
- Configureer IBM i Access sessie
- Activeer VPN sessie
- Begin met het gebruik
- Uploaden sources, programma's en data met FTP
- Save image, te gebruiken bij nieuwe reservering



