How to access central fileserver space / group disks at Bioquant from a computer running Windows 7 Professional or Ultimate computer system.

For Windows 7 Home version please see footnote*

Windows 7 uses an network authentication protocol called NTLM**

If you wish to have access to network shares on nasfile1, 2, 3, 4, 5 or nasfile 6 you must set the Network Security setting using the 'Local Security Policy' tool.

To start the 'Local Security Policy' tool you must first click on start and in the 'Search Program and Files field type in second.msc (Fig 1). The second should appear in the list of found items.

Fig 1.

Programs (1)	
🚡 secpol	
See more results	
*	
secpol.msc ×	Shut down 🕨

Note: You should run the secool tool as Administrator. To do this right click on the program secool and you will see the context menu (Fig 2)

	Open	
	Troubleshoot compatibility	
	Open file location	
8	Run as administrator	
0	Scan CCleaner.exe	
	Pin to Taskbar	
	Unpin from Start Menu	
	Restore previous versions	
	Send to	•
	Copy To folder	
	Move To folder	
	Cut	
	Сору	
	Create shortcut	
	Delete	
	Rename	
	Properties	

and select "Run As Administrator".

After the program has started, you need to go down to (Fig 3) Security Settings - Local Policies - Security Options - Network security: Lan Manager authentification level

Fig 3.

Local Security Policy	
<u>File Action View H</u> elp	
🗢 🔿 🔁 🖬 🗙 🗎 🖬	
 Security Settings Account Policies Local Policies User Rights Assignment Security Options Windows Firewall with Advanced Security Opticies Public Key Policies Software Restriction Policies Software Restriction Policies Application Control Policies Advanced Audit Policy Configuration 	Policy Image: Construct of the second se
	4

Double click on 'Network security: Lan Manager authentification level' and under the tab 'Local Security Setting' (Fig 4) select from the drop down list the option 'Send NTLM response only'.



Click OK and close the secool program.

Now you will be able to mount a network drive in windows 7.

To map a network drive you must open "Computer" and under the menu option (Fig 5) select "Map network drive

Fig 5.

Organize 🔻 Syste	em properties	Uninstall or change a p	orogram Map	network drive	>> = •	
 ★ Favorites ■ Desktop ▶ Downloads ™ Recent Places ➢ Libraries ☑ Documents ☑ Music Pictures Videos 	E A Devi	d Disk Drives (1) Local Disk (C:) 103 GB free of 117 GB ices with Removable S DVD RW Drive (D:)	Storage (1)	Creates a or compu	shortcut to a sl	nared fold

On the next screen (Fig 6) you can assign a specific drive letter for the network share or accept the default drive letter. In the field marked Folder type in the name of the share you want to connect to. i.e. \\nasfile3.bioquant.uni-heidelberg.de\disk1\ag-reils

Fig 6.

🕞 🍳 Map I	Network Drive
Specify th	e drive letter for the connection and the folder that you want to connect to:
<u>D</u> rive: F <u>o</u> lder:	Z: ▼ NasfileX.bioquant.uni-heidelberg.de\sharename ▼ Browse Example: \\server\share Reconnect at logon Connect using different <u>c</u> redentials <u>Connect to a Web site that you can use to store your documents and pictures</u> .
	<u>F</u>inish Cancel

Click on finish and you will then be asked for your BioQuant account name (bq_username) and password (Fig 7).

Here you must type in first AD\ followed by your username and then your password.

Fig 7.

Windows Security
Enter Network Password Enter your password to connect to: nasfile1.bioquant.uni-heidelberg.de
ad\bq_username •••••• Domain: ad Remember my credentials
OK Cancel

When you have successfully entered in your credentials, the network drive should now be visible under in 'Computer' under Network Location (Fig 8).

Fig 8.



Note: How to browse the shares if you do not know the full sharename

If you are not sure of the name of the share, you can browse each nasfiler to see the available shares. For example you wanted to see the list of shares on nasfile6.bioquant.uni-heidelberg.de (Fig 9), you would type in the server name in the 'Folder' field and then click on 'Browse'

What n	etwork folder would you like to map?
Specify th	e drive letter for the connection and the folder that you want to connect to:
Drive:	Z: 🔹
Folder:	\\nasfile6.bioquant.uni-heidelberg.de\
	Example: \\server\share
	Reconnect at logon
	Connect using different credentials
	Connect to a Web site that you can use to store your documents and pictures.

On the next screen you can click on the name of the server (Fig 10). and will be asked for your BioQuant account name (bq_username) and password (Fig 11).

Fig 10.

Bro	owse For Folder	
	Select a shared network folder	
	Network	
	Imastileb.bioquant.uni-heidelberg.de	
	Make New Folder OK Cancel	

Here (Fig 11) you must type in first AD\ followed by your username and then your password.

Fig 11.

Windows Security
Enter Network Password Enter your password to connect to: nasfile6.bioquant.uni-heidelberg.de
ad\bq_username •••••• Domain: ad Remember my credentials
🔇 Logon failure: unknown user name or bad password.
OK Cancel

After your credentials are checked you will see a listing of the shares on the server.

Fig 12.

Bro	owse For Folder
	Select a shared network folder
	🔺 🖳 nasfile6.bioquant.uni-heidelberg.de 🖈
	⊿ 🖳 disk1
	> 🎚 ag-graeter
	> 📙 bq_dbrowne ·
	bq_gnikolis
	🍌 bq_mhemberger
	bq_pweyrich
	퉬 rnai2 🗸 🗸
	Make New Folder OK Cancel

You can then select the share you want and click 'OK'. You will then be returned to the previous screen (Fig 9). Click on 'Finish' and the network drive will be mounted.

* [Windows 7 Home edition. You will need to make the setting changes using 'Registry Editor' (regedit) Changing the following registry key should achieve the same effect. To start the 'Registry Editor' tool you must first click on start and in the 'Search Program and Files field type in regedit From the list of items found start regedit.

Then under Computer go to the location -> HKEY_LOCAL_MACHINE -> SYSTEM -> CurrentControlSet -> Control -> Lsa and create the following DWORD value (if it doesn't exist):

LmCompatibilityLevel And set its value to: 2

Close regedit. After you change these settings, you will need to reboot.]

**[What is NTLM? NTLM is a challenge/response system that allows a client to prove its identity without sending a password to the server.]