Configuring a Network Database in Your Office for MyoVision

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Summary

This document shows you how to setup and configure a Network Database for your MyoVision software. A network database allows you to access the database of patients and exams on any computer running MyoVision and is connected to the network.

Definitions of terms used

- Server the computer or server that contains or will contain the patient database
- Client the computer(s) that have or will have MyoVision installed and will be looking to the "server" for the patient database

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Before you Begin

- Make sure the Windows account you are logged into has Administrator privileges
 Check Administrator Privileges if you are unsure.
- 2. IMPORTANT: Make sure Windows 10/11 is fully updated before installing MyoVision.
 - To check if you are fully updated, go to the Microsoft support article:
 - Windows 10
 - Windows 11
- 3. Determine which computer is the "server" computer. We recommend the "server" computer either be an actual server, or the computer that exams are most frequently performed on.

How to setup a MyoVision Network Database

1. Create a backup of your database

- Follow the instructions in our Backup and Restore a Patient Database support article.
- If you need to merge patient databases, follow the instructions in How To Merge Multiple Databases then create a backup of the merged database.
- The .BU2 file will need to move to the server computer if it is not already there. We recommend using a flash drive to transfer the file.

2. Install the MyoVision software on the "server"

computer

- Download the software at: https://www.myovision.com/download.html
- Run the installer
- Uncheck the box next to "Hide Advanced Options", click "Next"



• Check the box next to "Show SQL Installer", Click "Next"

MyoVision Software - InstallAware Wizard	_		×
Installation Type Select the installation setup type that best suits your needs.		į	
Please select installation type, and chose "Next	" to co	ontinue.	
MyoVision Application and SQL Server if needed			
MyoVision Application only			
🔿 SQL Server only			
Install SQL setup Files			
Skip SQL reboot			
Show SQL Installer			
PBI / MyoVision < Back Nex	xt >	Cano	el

• Click "Next" to install pre-requisites



• Check the box next to "I accept the license terms." and click "Next"

髕 SQL Server 2017 Setup		_		×
License Terms				
To install SQL Server 2017, you	must accept the Microsoft Software License Terms.			
License Terms	MICROSOFT SOFTWARE LICENSE TERMS			
Global Rules	MICROSOFT SOFTWARE LICENSE TERMS			
Microsoft Update	MICROSOFT SQL SERVER 2017 EXPRESS			
Product Updates				
Install Setup Files	These license terms are an agreement between Microsoft Corporation (or bas you live, one of its affiliates) and you. Please read them. They apply to the so			
Install Rules	above, which includes the media on which you received it, if any. The terms a			
Feature Selection	any Microsoft			
Feature Rules				
Instance Configuration	updates,			
Server Configuration	 supplements, 			
Database Engine Configuration				
Feature Configuration Rules	Internet-based services, and			
Installation Progress Complete	,		Ba	4
Complete			Сору	Print
	✓ I accept the license terms.			
	SQL Server 2017 transmits information about your installation experience, as well as othe performance data, to Microsoft to help improve the product. To learn more about SQL Se processing and privacy controls, please see the <u>Privacy Statement</u> .		-	
	< Back Next >		Canc	el

Check the "Use Microsoft Update..." box and click "Next"



- "Windows Firewall" will likely give a warning, but it's expected click "Next"
- Click "Select All" then click "Next"

髋 SQL Server 2017 Setup			-		\times
Feature Selection					
Select the Express features to	install.				
License Terms Global Rules Microsoft Update	 Looking for Reporting Servior Features: 	ces? <u>Download it fr</u>	om the web Feature description:		
Product Updates Install Setup Files Install Rules	Instance Features Database Engine Services SQL Server Replication		The configuration and operation of eac instance feature of a SQL Server instan isolated from other SQL Server instanc	ce is	
Feature Selection Feature Rules Instance Configuration	Shared Features SQL Client Connectivity S Redistributable Features	DK	Prerequisites for selected features: Already installed: Windows PowerShell 3.0 or higher Microsoft .NET Framework 4.6		
Server Configuration Database Engine Configuration Feature Configuration Rules			Disk Space Requirements Drive C: 1001 MB required, 36180 MB a	vailable	
Installation Progress Complete	Select All Unselect All]			
	Instance root directory:	C:\Program Files\M	icrosoft SQL Server\		
	Shared feature directory:	C:\Program Files\M	icrosoft SQL Server\		
	Shared feature directory (x86):	C:\Program Files (x8	36)\Microsoft SQL Server\)
			< Back Next >	Cancel	

• Check that "Named Instance" is "PBI_MYOVISION", click "Next"

髋 SQL Server 2017 Setup					_		×
Instance Configuration	1						
Specify the name and instance		QL Server. Instance ID I	pecomes part o	of the installation path.			
License Terms	O Default instance						
Global Rules Microsoft Update	• Named instance:	PBI_MYOVISION					
Product Updates							
Install Setup Files Install Rules	Instance ID:	PBI_MYOVISION					
Feature Selection Feature Rules	SQL Server directory:	C:\Program Files\Mic	rosoft SQL Serv	er\MSSQL14.PBI_MYOVIS	ION		
Instance Configuration	Installed instances:	-					
Server Configuration Database Engine Configuration	Instance Name	Instance ID	Features	Edition	Ve	rsion	
Feature Configuration Rules Installation Progress							
Complete							
						3	
				< Back Next	>	Cancel	

• Make sure "Startup Type" is set to "Automatic" for both Services

髋 SQL Server 2017 Setup				_		×
Server Configuration						
Specify the service accounts and	d collation configuration.					
License Terms Global Rules Microsoft Update	Service Accounts Collation	ou use a separate account for each	I SQL Server serv	ice.		
Product Updates	Service	Account Name	Password	Startu	ір Туре	
Install Setup Files	SQL Server Database Engine	NT AUTHORITY\NETWO		Auton	natic	\sim
Install Rules	SQL Server Browser	NT AUTHORITY\LOCAL		Auton	natic	\sim
Feature Selection						
Feature Rules	Grant Perform Volume Mai	ntenance Task privilege to SQL Ser	wer Database En	gine Servio	e	
Instance Configuration	This privilege enables insta	nt file initialization by avoiding zer	oing of data pag	ges. This m	ay lead	
Server Configuration	to information disclosure b	y allowing deleted content to be a	ccessed.			
Database Engine Configuration	Click here for details					
Feature Configuration Rules						
Installation Progress						
Complete						
			N			
			\searrow			
		< Bac	k Next	t>	Canc	el

- Ensure that "Mixed Mode" for is the Authentication Mode.
- Do not change the password
 - If you accidently deleted or changed the password, set the password to MyoVision01 for both fields. Be careful typing/pasting the password into this field. There is no way to change it after installing!
- Then click "Add"

髋 SQL Server 2017 Setup				_		×
Database Engine Config	guration					
Specify Database Engine authen	tication security mode, a	administrators, data directories and Te	mpDB settings.			
License Terms Global Rules Microsoft Update Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Installation Progress Complete	Specify the authenti Authentication Mod Windows authen Mixed Mode (SQ Specify the password Enter password: Confirm password: Specify SQL Server a TESTBED\TestBed01	tication mode L Server authentication and Windows a d for the SQL Server system administrat	e Database Engin		ed access	;
	Add Current User	Add Remove	< Back	Next >	Cance	

• The following screen will pop up. Then click "Advanced"

Ҟ SQL Server 2017 Setup			×
Select Users or Groups	×		
Select this object type: Users, Groups, or Built-in security princip	ctories and TempDB settings.		
From this location:			
TESTBED	DB User Instances FILESTREAM		
Enter the object names to select (example			
	Check Names		-
Advanced	OK Cancel and Windows authentication)		
Advanced			
Feature Kules	Specify the password for the SQL Server system administrator (sa) account.		
Instance Configuration	Enter password:		
Server Configuration	Confirm password:		
Database Engine Configuration			
Feature Configuration Rules	Specify SQL Server administrators		-
Installation Progress	TESTBED\TestBed01 SQL Server adm		
Complete	have unrestricte to the Database		
		Lingine.	
			1
	Add Current User Add Remove		
	< Back Next >	Cancel	

• Click "Find Now"

- Click on any name in the search results and quickly type "Users" and select that result. Then click "OK"
- Note: If a "Users" account does not exist, look for Domain Users or other group that ends in Users

SQL Server 2017	Setup							\times
Select Users or G	roups			>	<			
Select this object t	vpe:				TempDB settings			
-	Built-in security princip	als	0	bject Types				
From this location:					stances FILEST	REAM		
TESTBED				Locations	the Database End	vine		
Common Queries	3				the Database Eng	jine.		
Name:	Starts with $$			Columns				
Description:	Starts with \smallsetminus			Find Now	authentication)			
Disabled ac	counts			Stop				
Non expiring	g password				rator (sa) accour	nt.		
Days since last	: logon: 🔍 🗸			-	-			-
Search results:			ОК	Cancel		SOL Server adm	inistrato	-
Name	In Folder					have unrestricte	ed access	-
Replicator	TESTBED					to the Database	Engine.	
Service assert SYSTEM								_
🚉 System Mana								
Kara TERMINAL S LestBed01	TESTBED							
		N			< Back	Next >	Cancel	
Users	TESTBED						Carreet	

- Click "OK" on both "Select Users or Groups" windows.
- Once you're back to the installer, make sure the "Users" account is added before clicking "Next".
 - It may take a moment to add and the name may be different if a "Domain User" or other group user account was added.

icense Terms	Server Configuration	Data Directories Te	mpDB User Insta	ances FILESTREA	М	
Global Rules ⁄licrosoft Update	Specify the authen	tication mode and adn	ministrators for the	e Database Engine		
Product Updates	Authentication Mc	de				
nstall Setup Files	○ Windows authe	ntication mode				
nstall Rules	Mixed Mode (SC)	QL Server authenticatio	on and Windows a	uthentication)		
eature Selection						
eature Rules	Specify the passwo	ord for the SQL Server s	system administrat	or (sa) account.		
nstance Configuration	Enter password:	•••••				
erver Configuration	Confirm password:	•••••				
Database Engine Configuration						
eature Configuration Rules	Specify SQL Server					
Complete	TESTBED\TestBed0 BUILTIN\Users (Us				SQL Server adm have unrestricte	
Joinpiere					nave unrestricto to the Database	
						-

- IMPORTANT (ONLY IF ERROR MESSAGE APPEARS, Otherwise skip to SQL Install complete): Some user accounts are not considered valid by SQL Server, if an error message appears that the user account is not valid when clicking "Next" then follow instructions to remove the current user account.
 - Select the user account
 - Click "Remove"
- The only account left should be the user account added (Example: BUILTIN\USER), click "Next"

髋 SQL Server 2017 Setup				_		×
Database Engine Config	uration					
Specify Database Engine authen	ication security mode, administrat	ors, data director	ies and TempDB settin	gs.		
License Terms Global Rules Microsoft Update Product Updates Install Setup Files Install Rules Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Installation Progress Complete	Server Configuration Data Direct Specify the authentication mode Authentication Mode O Windows authentication mode OWINDOWS authentication mode O Mixed Mode (SQL Server authors and Mode (SQL Server authors authentication mode) Specify the password for the SQL Server authors and for the SQL Server administrate Specify SQL Server administrate Specify SQL Server administrate TESTBED\TestBed01 BUILTIN\Users (Users) Add Current User Add	de and administra ode thentication and ' QL Server system	tors for the Database f	Engine. on)	ted acces	s
			< Back	Next >	Cance	

• Once the installation is complete, SQL installer will show an "Install successful" message. Click "Close"

Your SQL Server 2017 Installa	tion completed successfully with product upda	ates.			
License Terms Global Rules	Information about the Setup operation or	possible next steps:			
Microsoft Update	Feature	Status			
	Oatabase Engine Services	Succeeded			
Product Updates	SQL Server Replication	Succeeded			
Install Setup Files	SQL Browser	Succeeded			
Install Rules	SQL Writer	Succeeded			
Feature Selection	SQL Client Connectivity	Succeeded			
Feature Rules	SOL Client Connectivity SDK	Succeeded			
Instance Configuration					
Server Configuration	Details:				
Database Engine Configuration	Install successful.				_
Feature Configuration Rules	Install successful.				
Installation Progress					
2					
Complete					
	1				
	Summary log file has been saved to the fol	llowing location:			
	C:\Program Files\Microsoft SQL Server\14	0\Setup Bootstrap\Log\20211014_100	0255\Summar	y DESKTO)P-

- Once the Prerequisite Programs are installed, the MyoVision installer will start. Click **Next** through each selection
 - Choose the option that best fits your install. Click on the first or second option, then click Next.
 - Note: You will not be asked for your Registration Key during the install so if you do not have it you can still choose the second option.

🍘 MyoVision Software - InstallAware Wizard	I	_		\times
Software Registration Key email reque Select the installation setup type that best			F	
Please select an item below, a I have a MyoVision Wirefree System, including E-Scan Viral Marketing for 30 I just purchased my Wirefree MyoVisio my Software Registration Key instruct I have already registered my software NOTE: If you have not received a Softwar you are expecting, be sure and check you	and would like to try all t days prior to purchasing in system or software up ion email. e. I am installing an upd re Registration Key and i	he new fe l, ograde and ate at this	atures I have rece time.	eived
PBI / MyoVision v 5.0.173 RC1	< Back Ne	xt >	Cano	:el

• Select your location, then click **Next**.

- The Install is ready to start. Click Next to proceed.
- Once the MyoVision software is installed, a confirmation window will appear with the Database connection status displaying **Success**.
 - Check the box next to "Run MyoVision Software now".
 - If your Database connection status does not say **Success**, run the MyoVision software and check to see if an SQL Server error appears.
 - If you get an SQL Server error call Technical Support at 1-800-969-6961 Opt 2



Restore the database on "server" computer using the previously retrieved .BU2 file from Step 1
 Follow the steps in our support article Restore a Patient Database

3. Setup Firewall exceptions on "server" computer

- This setup is only if the server computer uses Windows Defender Firewall.
 - We do not recommend third-party firewall or anti-virus programs as they often interfere with Microsoft SQL Server
 - If the "server" computer uses a third-party firewall, refer to their support for adding exceptions"Click on the Windows icon and type "Firewall"
- Choose "Windows Defender Firewall"



• Click on "Advanced Settings"



• IMPORTANT: The following steps will need to be performed twice, once for the SQL Server service

and once for the SQL Server Browser service

• Click on "Inbound Rules" then click "New Rule ... "

🔗 Windows Defender Firewall with	h Advanced Security			-	×
File Action View Help					
🗢 🍬 🙇 📰 🗟 🔽 🖬					
🔐 Windows Defender Firewall 🕅 itl	Inbound Rules		Actions		
🗱 Inbound Rules	Name	Group	 Inhound Rules		
Connection Security Rules	Ø	_	🗽 New Rule		
> 통 Monitoring	2	_	Y Filter by Profile		•
	0	_	▼ Filter by State		•
	ø		▼ Filter by Group		•
	0	_	View		Þ
	00	_	Q Refresh		
	ŏ	_	🛃 Export List		
	0		Help		

• Choose "Program", click "Next"

Prew Inbound Rule Wiz	zard	×
Rule Type		
Select the type of firewall rule	to create.	
steps:		
 Rule Type 	What type of rule would you like to create?	
Program		
 Action 	Program Rule that controls connections for a program.	
 Profile 		
Name	 Port Rule that controls connections for a TCP or UDP port. 	
	@FirewallAPI.dll80200	\sim
	Rule that controls connections for a Windows experience.	
	◯ Custom	
	Custom rule.	
	< Back Next >	Cancel

- Enter the file path for SQL Server or SQL Server Browser then click "Next".
- IMPORTANT: A separate rule will be created for each service, do not enter both file paths. File paths can be found by going to the appropriate services properties and are listed below for SQL Server 2017
 - SQL Server 2017 file path: C:\Program Files\Microsoft SQL
 Server\MSSQL14.PBI_MYOVISION\MSSQL\Binn\sqlservr.exe
 - SQL Server Browser file path: C:\Program Files (x86)\Microsoft SQL Server\90\Shared\sqlbrowser.exe
- Ensure "Allow the connection" is chosen, click "Next"



• Click "Next"



- Enter the appropriate name, then click "Finish"
 - "MyoVision SQL Server" for the SQL Server service file path
 - "SQL Server Browser" for the SQL Server Browser service file path

🔗 New Inbound Rule W	lizard	×
Name		
Specify the name and descrip	iption of this rule.	
Steps:		
Rule Type		
Program		
Action		
Profile	Name: MyoVision SQL Server	
Name	Myo vision SQL Server	
	Description (optional):	
	< Back Finish	Cancel
		Cancel

• The new Windows Defender Firewall Inbound Rule will appear at the top of the list

Provide the second security with Advanced Security				
File Action View Help				
A Mindaux Defender Firmuell with				
🖌 🎡 Windows Defender Firewall wit	Inbound Rules	Actions		
Inbound Rules		Group ^ Actions	Rules	

• Click HERE if you still need to add the second Inbound Rule, otherwise move to Step 4

Install the MyoVision software on the "client" computer(s)

- If the MyoVision software is not installed already or is not running the current version follow the instructions in Install the MyoVision Software
 - Not sure if you are running the current version? See our support article How Do I Check My Software Version?
- SQL Server is only necessary on the "server" computer

5. Configure "client" computer to look for the network database

Set the MyoVision software to "Remote Data" under General Settings
 Setup > Settings > General



• Click "Advanced"

General Setup	x
 Show training prompt on startup Remember last patient Show add/replace exam prompt Check for and use internet services if available Confirm successful hub connection on startup Load libraries on program startup Show enhanced Patient Exam information Mute MyoVision Software sounds Display Battery Voltage in Device Status 	OK Cancel

• Check box next to "Use SQL remote data", then click "OK"

General Setup		x		
Show training prompt on start	 Show training prompt on startup Remember last patient Show add/replace exam prompt Check for and use internet services if available 			
Check for and use internet se				
🗹 Confirm successful hub conn	ection on startup			
Load libraries on program star	rtup			
Show enhanced Patient Exa				
Mute MyoVision Software so		>> Less		
Display Battery Voltage in De	vice Status			
Video Path Path C:\WinScan98\Trai				
Exam Goal Display Timer	💌 Enhanced GUI	☑ Use SQL remote data		
🗹 Enable	🗹 Measure Mode (USA)	Show Report Disclaimer		
Seconds:	Force Check Device Status	🗹 Automatic Daily Backup		
5		Hide Legacy Protocols		
	FlexUltra Only Mode	Disable VisionPort 2		
RESET Primary user Info.	CApp Startup	Save Performed Exams Locally		
Enable Low Battery Pop-ups	Always Terminate Terminate only when idle	 Restore exam state between close and open of app. Debug Verbose 		

- Connect to the "server" computer network database
 - Setup > System > Database (or use hotkeys Ctrl+D)



- Delete "(local)" and enter the "server" computer PC Name
 - Not sure what the "server" computer name is?
 - On the server computer, click the windows icon then type in "name"
 - Click on "View your PC name"

View your PC name System settings				
📫 🔎 name				
About Your PC is monitored and protected.				
See details in Windows Security				
Device specifications				
Device name (PC Name listed here, commonly "DESKTOP-xxx	xxx")			

- The "Name" field should show as below where "COMPUTERNAME" is replaced by the "server" PC name found above
 - Advanced users only: If the "server" has a static IP address, the IP address of the "server" can be used instead

Database Setup			x
Mode 1 Mode 2 Service: Name: COMPUTERNAME\PBI_MYOVISION	User Name: Password:	\$ 8	OK Cancel
Name: CUMPUTERNAME\PBI_MYUVISIUN[*] Status:	Time Out	15	<u>I</u> est DB
Local Services			<u>S</u> et Default
Local Administrator : No			

 IMPORTANT: Some computer names are too long for the "Name" field, in that case click on "Advanced" then check the box next to "Edit" and enter the PC name in the appropriate location. (Example highlighted below)

Database Setup			x	
◯ Mode 1	User Name:	sa	ОК	
Name: COMPUTERNAME\PBI_MYOVISION -	Password:	********	Cancel	
Status: Start	Time Out	15	<u>I</u> est DB	
Local Services			Set Default	
Local Administrator : No	J		>> Less	
Initialization string to use to connect to the database: —		Data file Your database is configured to use remote	date.	
Provider=SQLOLEDB.1;;Persist Security Info=False;Initial Catalog=MyoVision;Data Source=COMPUTERNAME				
Timeout=15][Attach Detatch	Repair	
Create a backup file before data is saved to your SQ database.	L [On program startup: Enable SQL service check on startup	Log	
Display instance name with data location on client ar	rea	Auto fix SQL service on program :	start	

- Test the database connection
 - Click "Test DB"
 - If the network database setup is successful, there will be a "Test connection succeeded" message.
 - If you have multiple "client" computers, configuring MyoVision software will be required for each computer.



- If the network database setup is not successful or if there are other network issues, there will be a "SQL ERROR" message.
 - NOTE: It can take some time for the network to find the correct location, if the test connection does not succeed on the first test, wait 2 minutes then test again.
 - Still having issues? See our support article Resolving SQL Errors On a Network Database or call MyoVision Technical Support at 1-800-969-6961 opt 2 (International: 206-448-3464 opt 2)

