

# HTML 5 ZERO-FOOTPRINT DICOM VIEWER

# QUICK START GUIDE

# Windows x64 Standard DB Integration on MySQL Document version 3.00

This guide describes the basics of installing and configuring web-based DICOM Viewer for PACS server. More information is provided in the full Install Manual, download its latest version: <u>Install Manual</u>.





## ABOUT SOFTWARE

This guide describes MedDream DICOM Viewer deployment on Windows x64. It uses standard database integration on MySQL and can be integrated into any PACS archive, HIS/RIS/EHR/EMR, Telemedicine, Patient Portals, National Systems, CAD and AI algorithms. MedDream Universal Enterprise Viewer can be installed on premises, in any virtual environment or on cloud.

MedDream is designed to aid medical professionals in day-to-day decision-making process. MedDream is a cost effective certified solution perfect for software vendors, integrators, OEM's and national system providers.

#### PREREQUISITES



Check User Manual section: "MedDream viewing functionalities minimal hardware requirements".



**Microsoft Visual C++ 2013 Redistributable Package (x64)** is installed (you need it for MySQL database installation). If it is not installed, you can download it here: <u>https://www.microsoft.com/en-us/download/details.aspx?id=40784</u>



**MySQL database** is installed. If MySQL is not installed on the server, you can download it here: <u>https://dev.mysql.com/get/Downloads/MySQLInstaller/mysql-installer-community-5.7.29.0.msi</u> **or** 

https://dev.mysql.com/get/Downloads/MySQLInstaller/mysql-installer-community-8.0.25.0.msi

During installation it is enough to select MySQL server. During the MySQL server configuration remember the port and root password.

### INSTALLATION FOR THE FIRST TIME



Install MedDream DICOM Viewer:

- Download the latest Windows version of MedDream from the Softneta website: <u>https://www.softneta.com/files/meddreamviewer/NEWEST/MedDream-DICOM-Viewer-Setup.exe</u>
- MedDream-DICOM-Viewer-Setup.exe.



• **Remember** default MedDream Viewer **login credentials** and click **Next >** button:

Setup - MDPACK (VERSION NUMBER)	-		×
<b>Information</b> Please read the following important information before continuing.		Sc	Z
When you are ready to continue with Setup, dick Next.			
MedDream package			
Package contains: MedDream WEB DICOM Viewer OpenJDK			
Default MedDream viewer login credentials:			
Username: demo Password: demo			
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• Choose C:\MDPACK and click Next > button:



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ર	Setup - MDPACK (VERSION NUMBER)	-	-		×
	Select Destination Location Where should MDPACK be installed?			Sc	Z
	Setup will install MDPACK into the following folder.				
	To continue, click Next. If You would like to change the direct dropdown list.	tory, select	it fron	n the	
	C:\MDPACK			~	
	At least 465,3 MB of free disk space is required.				
	< <u>B</u> ack	<u>N</u> ext >		Can	cel

Choose **Default installation** and click **Next >** button: •

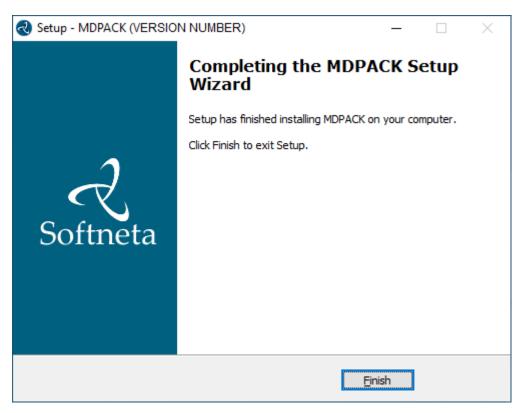
Setup - MDPACK (VERSION NUMBER)	—		×
Setup Type Choose the setup type that best suits your needs.		S	Z
Default configuration			
○ Custom configuration □			
< <u>B</u> ack <u>N</u> ex	xt >	Can	cel

Click Install button: •

<b>medDream</b> <sup>®</sup>	a
by Softneta Company	

🜏 Se	tup - MDPACK (VERSION NUMBER)		_		×
Re	eady to Install Setup is now ready to begin installing MDPACK on your comp	outer.		<b>C</b> So	Z
	Click Install to continue with the installation, or click Back if y change any settings.	ou want t	to review	or	
	Destination location: C:\MDPACK			^	
	Setup type: Default configuration				
	<			>	
	< <u>B</u> ack	Insta		Cano	el

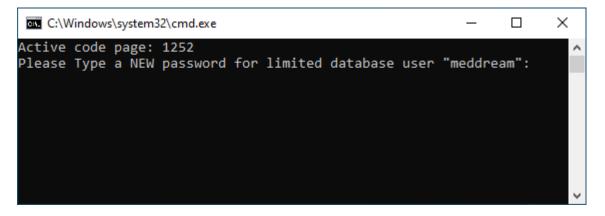
• Well done, you have completed the installation. Click **Finish** button.



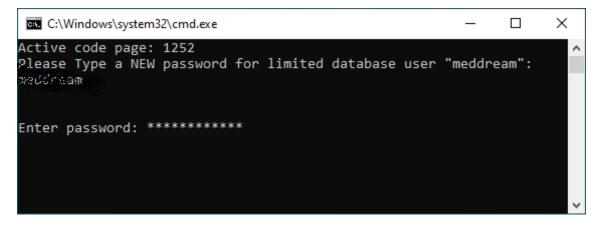


#### Install MedDream database:

- Download scripts: <a href="https://www.softneta.com/files/meddreamviewer/DB/MedDreamViewer-DB-MySQL.zip">https://www.softneta.com/files/meddreamviewer/DB/MedDreamViewer-DB-MySQL.zip</a>
- Unzip the package MedDreamViewer-DB-MySQL.zip to C:\MDPACK\MedDreamViewer-DB-MySQL
- Install MedDream database to MySQL by executing C:\MDPACK\MedDreamViewer-DB-MySQL\MySQL-DB\meddream-db-create.bat:



- **Type** your password and press **<Enter>**. This is a new password for the user "meddream". **Remember** it.
- After that you will be asked to enter the current password for the user "root" (unless you installed MySQL with the shared memory or named pipes options where the client logs in automatically).
   Type root user password of MySQL database and press <Enter>:



 Insert test data to MedDream database by executing C:\MDPACK\MedDreamViewer-DB-MySQL\MySQL-DB\meddream-db-insert.bat:



C:\Windows\system32\cmd.exe	_	×
Active code page: 1252 Enter password:		^
		~

• You will be asked to enter the password for the user "root". Type it and press <Enter>.

#### CONFIGURATION

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**Copy** and **replace** C:\MDPACK\MedDreamViewer-DB-MySQL\MDPACK folder to C:\MDPACK.

Change the basic MedDream Viewer settings for the first launch.

- **Open** C:\MDPACK\MedDream\application.properties file and **write** database user "meddream" password after "=" (you created this password during MedDream database installation): com.softneta.meddream.pacs.configurations[0].password={Password}
- Save the file.

**Restart MedDream service.** After making any changes to the application.properties file, the MedDream service must be restarted.

• **Open** Windows **Services** by pressing **<Win⊞ > + R** and **type** services.msc. Click **<OK>** button:

🖅 Run		×
	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.	
<u>O</u> pen:	services.msc ~	
	This task will be created with administrative privileges.	
	OK Cancel <u>B</u> rowse	]

• Find the MedDream service and restart it:



Services						- 🗆	×
<u>File</u> <u>Action</u> <u>V</u> iew	<u>H</u> elp						
⊨ →   🗖   🗟 🤇	ù 📑 📔 📷 🕨 🔲 II 🕪						
🐊 Services (Local)	Services (Local)						
	MedDream	Name	Description	Status	Startup Type	Log On As	,
	<u>Stop</u> the service <u>Restart</u> the service Description: MedDream Java Core Service	<ul> <li>IPsec Policy A</li> <li>KtmRm for Dis</li> <li>Language Exp</li> <li>Link-Layer Top</li> <li>Local Profile A</li> </ul>	Configures and enables trans Internet Protocol security (IPs Coordinates transactions bet Provides infrastructure suppo Creates a Network Map, coms This service provides profile Core Windows Service that m	-	Manual (Trigger Start) Manual (Trigger Start) Manual (Trigger Start) Manual Manual Manual (Trigger Start) Automatic	Local System Network Service Network Service Local System Local Service Local Service Local System	
		MedDream     MessagingSer     Microsoft (R)     Microsoft Acc     Microsoft App     Microsoft App     Microsoft iSCS     Microsoft Pass	MedDream Java Core Service Service supporting text mess Diagnostics Hub Standard Co Enables user sign-in through Manages App-V users and vir Manages Internet SCSI (iSCSI) Provides process isolation for Manages local user identity k	Running	Automatic Manual (Trigger Start) Manual Manual (Trigger Start) Disabled Manual Manual (Trigger Start) Manual (Trigger Start)	Local System Local System Local System Local System Local System Local System Local System Local System Local Service	
	Extended Standard	1011F 0.0.0				1 10 1	

**NOTE:** In the C:\MDPACK\MedDream\ApTemplates you can find examples of MedDream Viewer configurations with explanations. All MedDream settings are stored in the application.SAMPLE.properties file.

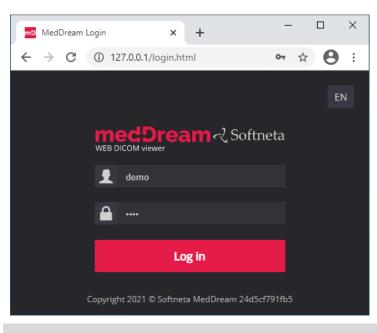
# VERIFICATION

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Open a browser and enter the MedDream URL <u>http://127.0.0.1/</u> in the address bar.

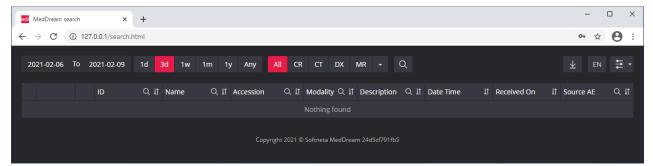
In the login window, enter the username **demo** and password **demo**. Press **Log in** button:





**TIP:** If you can't connect, restart Windows services (run in cmd line: services.msc and restart MedDream service).

MedDream Viewer shows an empty list of studies:



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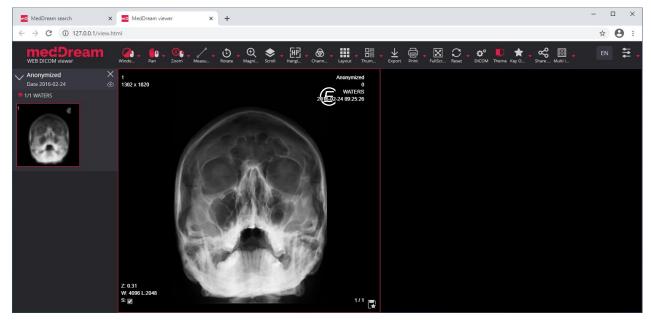
Change the date range selection by pressing <Any> button. Now you can see one study in the list:

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by Softneta Company	

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			ID	Q II	Name	Q ↓†	Accession	Q ↓†	Modality Q	↓† Description 오↓†	Date Time	↓t	Received On	
	0				Anonymiz	ed			CR	RX TORAX, PULMOES E CORACAO 1	2016-02-24 09:25:26		2019-06-04 17:34:30	
1 to 1	of 1													
	Copyright 2021 © Softneta MedDream 24d5cf791fb5													

**TIP:** Samples of anonymized studies can be downloaded from https://demo.softneta.com/ (Login -> Open the selected study -> Click Export -> Select the DICOM format and click Export again -> Press the Download link).

**Click** once on the study with the left mouse button. MedDream Viewer opens the study in a new browser tab:



Now you can try and see how powerful and useful this tool is.

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## TROUBLESHOOTING



You must restart the MedDream service each time after changes to the application.properties file or if something went wrong. You can restart the service by running in cmd line: services.msc -> then selecting MedDream service and clicking Restart on the left.



If you can't open the studies, clearing your browser's cache may help. Open a browser and press **CTRL+SHIFT+DEL**. Then select which old data you want to delete and click **Clear** data.



MedDream DICOM Viewer logs are stored in the C:\MDPACK\MedDream\meddream.main.log. The standard logging level in the application.properties file is set to INFO. If the log contains too little information, you can change the logging level to **DEBUG** by changing the value of the logging.level.com.softneta parameter.

#### LICENSE

MedDream DICOM Viewer licensed under the Commercial License. Please contact info@softneta.com to get TRIAL or Commercial license. If you have a License Serial number, follow these instructions:

	REGISTER
Serial *	
	By registering the product, you confirm that you have read and agreed with
	Register Close

Press Register button. The system opens a license registration window:

- Enter the name of the organization and the license **Serial** number you received.
- <sup>3</sup> Click on the link **EULA** and read Software License Agreement. After reading, close the window by clicking the **<Close>** button.
- - Press Register button. The license will be successfully registered.



**NOTE:** If you have any questions about MedDream licenses and prices, please contact our SALES team by email <u>info@softneta.com</u> or by phone +370 670 15991.

# **HELP AND RESOURCES**

Detailed MedDream installation and configuration instructions are provided in the install manual. You can download it from here: <u>https://www.softneta.com/files/meddreamviewer/doc/MedDream-DICOM-Viewer-Install-Manual.pdf</u>



We are constantly improving this product. Get the most out of your MedDream Viewer with updated features and performance.



Download the User manual from <u>https://www.softneta.com/files/meddreamviewer/doc/MedDream-DICOM-</u> <u>Viewer-User-Manual.pdf</u> and get more information about this device.

Read short instructions and watch tutorial videos here: <u>https://www.softneta.com/documentation/user-guide/user-introduction/</u>

Our great SUPPORT team is always ready to help you. If you have any questions, please write an email to support@softneta.com or call +370 672 62795.