

Installing MedeA on Windows with the Windows Installer

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1 Introduction

With the Windows installer, you can choose to install just the graphical user interface (GUI), just the computing backend (JobServer and TaskServer), or a fully working configuration containing all three components: GUI, JobServer, and TaskServer (*MedeA* platform).

Note: This section is for a fresh and new installation of *MedeA* 3.8 on Windows using *MedeAIn-staller3.8.0.exe*. For updating an existing *MedeA* version to 3.8, please see the Section Update Existing MedeA.

The Windows installer can be placed on a network drive to deploy *MedeA* on multiple machines. Additional databases and an existing license file in the same directory will be used and included in the installation path. One requirement is that the installation drive must be SQLite-compatible.

Note: The Windows Installer includes only the COD database. If you would like to install other licensed databases (ICSD, Pearson, NCD, and MSI Phase diagrams) at the same time, you can download these databases from http://update.materialsdesign.com/db using your Materials Design account and place them in the same directory as the Windows Installer. Alternatively, you can install *MedeA* from an ISO image which includes more database files. Please see Section Installation from ISO for details.

2 Installation Process

It is necessary to have administrative rights to keep the computing backend (JobServer and TaskServer) running as services. This allows you to log off the machine, but have calculations continue to progress. If you don't have administrative rights, you can still start the JobServer and TaskServer manually after installation.

Right-click on the file *MedeAInstaller3.8.0.exe* and select **Run as administrator**



Name	^	Date modified	Туре	Size
🙏 MedeAlnstaller3.6	0	12/12/2022 1-26 DM	Application	1,807,803 KB
	% O E)	i 🗹		
	Open	Enter		
	📑 Run as admin	istrator		
	🔗 Pin to Start			
	Compress to	ZIP file		
	🛄 Copy as path			
	E Properties	Alt+Enter		

The installer is signed and verified to be from Materials Design, Inc.

User Account Control	×
Do you want to allow this app to make changes to your device?	
人 MedeA Setup	
Verified publisher: Materials Design, Inc. File origin: Hard drive on this computer	
Show more details	
Yes No	

The next step is to select an installation directory:



🔥 Setup - MedeA version -	_		×
Select Destination Location Where should MedeA be installed?			
Setup will install MedeA into the following folder.			
To continue, click Next. If you would like to select a different folder, clic	k Browse	e.	
c: MD	Brows	se	
At least 2, 128.0 MB of free disk space is required.			
Next >		Cancel	

Hint: *MedeA* 3.8 can be installed in directories containing spaces and special characters, e.g., C:\Program Files (x86)

Then you can choose between the components to install: MedeA 3.8.0 Platform that includes all three components: GUI, JobServer, and TaskServer. Alternatively, you can only install the GUI via the MedeA 3.8.0 GUI option. The last option is to install only the JobServer / TaskServer to run in the background. Let's select MedeA 3.8.0 Platform and click Next.

, Setup - MedeA version	_		
Select Components Which components should be installed?			
Select the components you want to insta install. Click Next when you are ready to	onents you do n	ot want to	
MedeA 3.6.0 platform		\ \	7
MedeA 3.6.0 platform			
MedeA 3.6.0 GUI			
MedeA 3.6.0 JobServer/TaskServer			-11
	Next >		ncel

The next two steps ask whether to create the shortcuts (Start Menu) and desktop shortcuts:

1	
materials	design®

🙏 Setup - MedeA version	—		×
Select Start Menu Folder			
Where should Setup place the program's shortcuts?		4	
Setup will create the program's shortcuts in the following s			
To continue, click Next. If you would like to select a different folder	r, click Bro	wse.	
Materials Design	Br	owse	
< Back Ne	xt >	Cancel	
ሉ Setup - MedeA version	_		×
Select Additional Tasks Which additional tasks should be performed?		4	
Select the additional tasks you would like Setup to perform while ins click Next.	stalling Me	deA, then	
Additional shortcuts:			
Create a desktop shortcut			
< Back Ne	xt >	Cancel	

The installer is created to install:



Setup - MedeA version . Ready to Install		_		×
Setup is now ready to begin installing Med	eA on your computer.			
Click Install to continue with the installation change any settings.	n, or click Back if you war	it to revie	w or	
Destination location: c: \MD				
Setup type: MedeA 3.6.0 platform				
Selected components: MedeA GUI JobServer TaskServer				
Start Menu folder: Materials Design				
4			Þ	_
	< Back In	stall	Can	cel

Click Install and the installation begins:

٨ Setup - MedeA version	_		×
Installing Please wait while Setup installs MedeA on your computer.			
Extracting files c: \MD \bin \generic \MedeALib.kit			
		Car	icel

If a warning on **smpd.exe**, the *Intel Process Manager*, occurs, click OK to ignore as this will be installed by the JobServer / TaskServer installation.

As the installer attempts to install the JobServer and the TaskServer, ports 32000 and 23000 need to be opened for internal communications. As such, click Allow access through the *Windows Defender Firewall*:



P Windows Security Alert					
Windo app	ws Defend	er Firewall has blocked some features of this			
Windows Defender private networks.	Firewall has blo	cked some features of MedeA Application on all public and			
	Name:	MedeA Application			
l 🔨	Publisher:	Materials Design, Inc.			
	Path:	C: \md \bin \windows-x86_64 \mdtaskserver.exe			
Allow MedeA Applic	ation to commu	nicate on these networks:			
Private netw	orks, such as m	y home or work network			
Public networks, such as those in airports and coffee shops (not recommended because these networks often have little or no security)					
What are the risks	of allowing an a	pp through a firewall?			
		Allow access Cancel			

Installation is complete, and click Finish to launch MedeA:

🙏 Setup - MedeA version	- 🗆 🗙
	Completing the MedeA Setup Wizard
	Setup has finished installing MedeA on your computer. The application may be launched by selecting the installed shortcuts.
	Click Finish to exit Setup.
	✓ debugTaskServer
	debugJobServer
	Launch MedeA
	Start Maintenance program
	Finish

Upon opening MedeA for the first time after its installation, a license request window appears:



🔥 MedeA: license information		_		×
MedeA	cannot find a valid the license file is not valid	license:		
	The program must stop			
The following information is need Site Number: 4F65DI Machine ID: 2D14-B Hostname: DESKT Username: Version:	D35 CBE-E657-B34B-7FB6-E3E4-53			
You can copy this information to the and paste it into an email to support		n		
		ОК	Coj	ру

Please click the Copy button and send the license parameters to support@materialsdesign.com. Once a license file *license.txt* is received, place it in C: MD and restart *MedeA*.

The JobServer has been installed during the process. Open a web browser and point to *http://localhost:32000* to access the JobServer:

JobServer Hom	e Summary Jobs A	dministration	Documentation	http://desktop
Materials I	Design JobServer	on d	esktop	
	page for the JobServer running on de window. You can use these to quic			ll of the other pages in this site, have the same navigation bars at the top nother.
The links take yo	u to other parts of the JobServer as f	ollows:		
JobServer Home	Brings you back to this page. You c	an always come ba	ick here if you get lost.	
<u>Summary</u>	Takes you to a list of the jobs and ta	asks that are currer	utly running.	
<u>Jobs</u>	Takes you to a list of the jobs on thi find just the jobs of interest to you. There is a summary for each job, pl		с ,	ave been run or submitted on this machine, or you can filter the list to individual job.
Administration	Allows you to administer this site. down.	You can change th	e number of jobs allowed t	o run at one time, close down the jobs queues, or shut the JobServer
Documentation	The online documentation for Med	eA.		

No jobs are pending .

Note: When installing without administrative rights, a local JobServer and TaskServer are launched. Keep in mind that you need to start them from the Start menu, once you log back into the machine.