

Installing MedeA on Windows with the Windows Installer

Contents

- Introduction
- Installation Process

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* 3.7 on Windows using *MedeAIn-staller3.7.0.exe*. For updating an existing *MedeA* version to 3.7, 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 *MedeAInstaller3.7.0.exe* and select **Run as administrator**



| Name | ^ | | | Date | modi | fied | Туре | Size |
|-----------------------|--------------------|----------|--------|---------------|-------------|-----------|-------------|--------------|
| 🙏 MedeAlnstaller3.6.0 | | | | 17/1 | o / o o o o | 1.26 DM | Application | 1,807,803 KB |
| | * | D | | Ŕ | Û | | | |
| | | Open | | | | Enter | | |
| | 📑 Run as | | admin | administrator | | | | |
| | $\hat{\mathbf{x}}$ | Pin to S | Start | | | | | |
| | | Compre | ess to | ZIP file | | | | |
| | <u>\\.</u> | Copy as | s path | | | | | |
| | 8- | Propert | ties | | | 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* 3.7 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 3.7.0 Platform that includes all three components: GUI, JobServer, and TaskServer. Alternatively, you can only install the GUI via the MedeA 3.7.0 GUI option. The last option is to install only the JobServer / TaskServer to run in the background. Let's select MedeA 3.7.0 Platform and click Next.

| 🔥 Setup - MedeA version | | _ | | X |
|---|--------------------------|----------------|------------|------|
| Select Components Which components should be installed? | | | | |
| Select the components you want to install; d install. Click Next when you are ready to con | ear the compor tinue. | ients you do n | ot want to | |
| MedeA 3.6.0 platform | | | · · · · | / |
| MedeA 3.6.0 platform | | | | |
| MedeA 3.6.0 GUI | | | | |
| MedeA 3.6.0 JobServer/TaskServer | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | < Pack | Nexts |) | rel |
| | | Next > | | icei |

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 | Start Men | u folder. | |
| 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 Sect | urity Alert | | × | | | | |
|--|---|--|---|--|--|--|--|
| Windows Defender Firewall has blocked some features of this app | | | | | | | |
| Windows Defender private networks. | Windows Defender Firewall has blocked some features of MedeA Application on all public and private petworks. | | | | | | |
| | Name: | MedeA Application | | | | | |
| ~ | 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 app 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. Icide BuugTaskServer IcidebugJobServer Launch MedeA Start Maintenance program |
| | Finish |

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



| ሉ MedeA: license information | | | _ | | × |
|--|---|-----------------------------|--------------------------------|---------|----|
| MedeA | cannot find the license file is no | a valid lic ot valid | ense: | | |
| - | The program mu | ist stop | | | |
| The following information is neede Site Number: 4F65DI Machine ID: 2D14-B Hostname: DESKT0 Username: | ed to obtain a license 035 CBE-E657-B34B-7FB6 DP-QR3IPDM | from support ≻E3E4-53AF- | @materialsdes A120-3CEA-81A | ign.com | : |
| Version: You can copy this information to th and paste it into an email to suppo | ne clipboard with the'C ort@materialsdesign.c | Copy' button com | | | |
| | | | | | |
| | | | ОК | Co | 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 | Administration | Documentation | http://desktop | | | |
|---|---|---------------|--------------------------|---------------|----------------|--|--|--|
| | | | | | | | | |
| Materials E |)esign JobSer | ver | on d | esktop | | | | |
| This is the home page for the JobServer running on desktop-qr3ipdm, port 32000. This page, and all of the other pages in this site, have the same navigation bars at the top and bottom of the window. You can use these to quickly move from one part of the JobServer to another. | | | | | | | | |
| The links take yo | 1 to other parts of th | e JobServer | as follows: | | | | | |
| JobServer Home | bServer Brings you back to this page. You can always come back here if you get lost. Iome | | | | | | | |
| <u>Summary</u> | Takes you to a list o | of the jobs a | nd tasks that are currer | ntly running. | | | | |
| <u>Jobs</u> | Takes you to a list of the jobs on this machine. You can get a list of all jobs that have been run or submitted on this machine, or you can filter the list to <u>jobs</u> There is a summary for each job, plus a link that let's you get more detail for an individual job. | | | | | | | |
| Administration | Allows you to administer this site. You can change the number of jobs allowed to run at one time, close down the jobs queues, or shut the JobServer down. | | | | | | | |
| Documentation | n The online documentation for MedeA. | | | | | | | |
| There are no jobs | running. | | | | | | | |

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.