



# Atalasoft DotViewer Quick Start Guide

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# Introduction

Atalsoft DotViewer is an ASP.NET Core application that enables you to add web-based scanning capabilities to a website or browser-based application with minimal development. You can customize the scanning feature to meet your requirements.

This quick start guide provides information to set up and customize Atalsoft DotViewer. Refer to the Technical Specifications for system requirements, required .NET components, and supported databases and web servers. For API and developer information, see the *Atalsoft DotImage Developer's Guide*.

## Supported file types

Atalsoft DotViewer supports importing and rendering of the following image and document types:

- BMP
- JPEG
- JPEG 2000
- PNG
- GIF
- PCX
- TIFF
- WMF
- EMF
- PSD
- TLA
- TGA
- WBMP
- PCD
- PNM
- DWG
- PDF
- DICOM
- JBIG2
- Microsoft Office documents

## Chapter 1

# Installing Atalasoftware DotViewer

To implement Atalasoftware DotViewer for your website, install the Atalasoftware DotViewer components on your web server. You can use the interactive Setup Wizard or use silent installation to install the Atalasoftware DotViewer components from the Command Prompt.

Atalasoftware DotViewer includes a demo program that you can use to test the application and as a starting point for configuration.

Atalasoftware DotViewer installation is flexible. You can install it as a new application on an existing IIS site or deployed on a separate site. The configuration can be changed after installation. If you upgrade an installation of Atalasoftware DotViewer, the new components update the old ones. Older and newer versions of Atalasoftware DotViewer cannot exist side-by-side.

## Setup Wizard installation

To use the interactive Setup Wizard to install Atalasoftware DotViewer, follow these steps.

1. Extract the Atalasoftware DotViewer installer on a computer with an IIS installer.
2. Run `Atalasoftware.DotViewer.Installer.msi` as an administrator.  
The Setup Wizard starts. Click **Next** to continue.
3. Select the type of installation:
  - **Typical:** Use this option to install only the server-side components.
  - **Custom:** Use this option to select what to install, including server-side components and the sample website, and where these files are installed.
  - **Complete:** Use this option to install server-side components and the sample website.

By default, the components are installed in `C:\Program Files\Atalasoftware\DotViewer\`. You can install them in a different folder by using the **Custom** option.

4. When prompted to enter server information, select either of these options:
  - **Create new website:** Use this option to install the Atalasoftware DotViewer application in a new website. Enter a name for the website.
  - **Add to existing website:** Use this option to install the Atalasoftware DotViewer application in an existing website on IIS.
  - **Application Name:** Enter the name for the Atalasoftware DotViewer application.

**Example** If you select **Add to existing website**, choose **Default Web Site**, and enter `MyDotViewer` in the **Application Name** field, the site will be located in the `MyDotViewer` application on the default website.

Click **Next** to continue.

5. In the **Application configuration** screen, enter the following:

- **Paths to images:** Enter the paths accessible to the Atalasoftware DotViewer application for saving and reading files. Attempts to access files outside of those paths generate an error. You can specify multiple paths, separated by a semicolon (;).  
Example: `C:\Images; \\server\Images`
- **Upload folder:** Specify the path to the folder to be created by the installer for scanned and uploaded images.
- **WDV endpoint:** URL for the server handler of the Web Document Viewer (WDV), which is `/wdv` by default.
- **WCS endpoint:** URL for the server handler of the Web Capture Service (WCS), which is `/wcs` by default.
- **Preserve extension on save:** Select to retain the file extension of a saved file.
- **Compress HTTP responses** and **Cache HTTP responses:** Select or clear to select how HTTP responses are processed.
- **Log level:** Select the types of errors and critical events to be recorded in application logs.

Click **Next** to continue.

6. When you are prompted that the Setup Wizard is complete, click **Activate** and enter the license information in the Activation Wizard.

When you have activated the license, the installation process is complete.

**i** If you need to change license information, from the Windows Start menu, select **Atalasoftware DotViewer > Activate DotViewer**.

## Silent installation

To use silent installation, open the Command Prompt as an administrator and enter the command with the following format:

```
Atalasoftware.DotViewer.Installer.msi <parameter>=<value>
```

If you use multiple parameters, separate each one with a space, as in this example.

```
Atalasoftware.DotViewer.Installer.msi DOTVIEWER_SITENAME=MyDotViewer  
DOTVIEWER_INSTALLDIR=D:\DotViewer
```

You can enter values in a configuration file and specify this file with the `DOTVIEWER_CONFIG` parameter. See [Configuration file](#) for information about creating and using this file. Use the `DOTVIEWER_CONFIG` parameter as follows:

```
Atalasoftware.DotViewer.Installer.msi DOTVIEWER_CONFIG=C:\DotViewerInstall  
\Atalasoftware.DotViewer.config.json
```

Note the following when using parameters:

- Parameters can be entered in any order.
- You can omit any optional parameters when you want to use the default values.

- You can use `msiexec` options to display status and other information during installation. For example, use `/passive` to display the status bar. See the `msiexec` documentation for more information.
- If the parameter is specified incorrectly or has an invalid value, the installer stops and displays an error. Correct the error and try the installation again.

The parameters are listed as follows.

**DOTVIEWER\_SITENAME**

Enter the IIS website name for Atalasoftware DotViewer. Omit to use the default value, `DotViewer`.

**DOTVIEWER\_BINDING**

Enter the binding for the IIS website. Omit to use the default value, `*:80`.

**DOTVIEWER\_CREATENEWSITE**

Specify `true` to create a new website on IIS for Atalasoftware DotViewer or `false` to use an existing website. If you set this parameter to `false`, you must also specify the `DOTVIEWER_APPNAME` parameter. Omit `DOTVIEWER_CREATENEWSITE` to use `true` as default.

**DOTVIEWER\_APPNAME**

Enter the application alias for Atalasoftware DotViewer. This parameter is required if `DOTVIEWER_CREATENEWSITE` is set to `false`. This parameter can be omitted if `DOTVIEWER_CREATENEWSITE` is set to `true`.

**DOTVIEWER\_CONFIG**

Enter the path and name of the Atalasoftware DotViewer configuration file or a JSON string with configuration values. If this parameter is omitted, the `Atalasoftware.DotViewer.config.json` file is created automatically based on the parameters specified.

**DOTVIEWER\_INSTALLDIR**

Enter the target folder for Atalasoftware DotViewer installation. Omit to use the default folder, `C:\Program Files\Atalasoftware\DotViewer\Server`.

**DOTVIEWERDEMO\_INSTALL**

Set to `true` to install the Atalasoftware DotViewer demo website. If you do not want to install the demo website, set to `false`.

**DOTVIEWERDEMO\_SITENAME**

Enter the name of the Atalasoftware DotViewer demo website. Omit to use the default site name, `DotViewer_Demo`.

**DOTVIEWERDEMO\_BINDING**

Enter the binding for the Atalasoftware DotViewer demo website. Omit to use the default binding, `*:8080`.

**DOTVIEWERDEMO\_CREATENEWSITE**

Specify `true` to create a new website on IIS for the Atalasoftware DotViewer demo site or `false` to use an existing website. If you set this parameter to `false`, you must also specify the `DOTVIEWERDEMO_APPNAME` parameter. Omit `DOTVIEWERDEMO_CREATENEWSITE` to use `true` as default.

### **DOTVIEWERDEMO\_APPNAME**

Enter the application alias for Atalasoftware DotViewer demo site. This parameter is required if DOTVIEWERDEMO\_CREATENEWSITE is set to false. This parameter can be omitted if DOTVIEWERDEMO\_CREATENEWSITE is set to true.

### **DOTVIEWERDEMO\_INSTALLDIR**

Enter the target folder for Atalasoftware DotViewer demo site installation. Omit to use the default folder, C:\Program Files\Atalasoftware\DotViewer\Demo Application.

## Configuration file

A configuration file is created based on the settings provided during installation. You can modify this file manually. For silent installation, you can provide the file to use preset values.

This file is named Atalasoftware.DotViewer.config.json and is located in the application folder. The file uses the following format.

```
{
  filePaths: [
    'C:\\Pictures',
    '\\sharedComputer\\images',
  ],
  uploadFolder: "..\\Capture",
  preserveExtensionsOnSave: true,
  endpoints: {
    webDocumentViewer: '/wdv',
    webCaptureService: '/wcs'
  },
  logLevel: 'error',
  responseCompression: true,
  responseCaching: false
}
```

The file contains the following values:

### **filePaths**

Enter the paths accessible to the Atalasoftware DotViewer application for saving and reading files. Attempts to access files outside of those paths generate an error.

### **uploadFolder**

Specify the path to the folder to be created by the installer for scanned and uploaded images.

### **preserveExtensionsOnSave**

Set to true to retain the file extension of a saved file.

### **endpoints**

Enter the URLs for the server handlers for the webDocumentViewer (default: /wdv) and webCaptureService (default: /wcs).

### **logLevel**

Select the types of errors and critical events to be recorded in application logs:

- trace
- debug

- information
- warning
- error
- critical
- none

**responseCompression**

Set to true to compress HTTP responses.

**responseCaching**

Set to true to cache HTTP responses.

## Chapter 2

# Using the Atalasoftware DotViewer demo

To open the Atalasoftware DotViewer demo website, enter the URL in a web browser. If you installed the demo website with default settings, the URL is:

```
http://<host name or IP address>:8080
```

The page contains the Web Capture Control in the center of the page. The left side displays thumbnails of the images. An enlarged view of the selected page appears on the right. The Available files menu enables you to open and display images.

The toolbar provides controls for scanning, uploading, annotating, and viewing images. Hover over a button for a description.

## Chapter 3

# Customizing Atalasoftware DotViewer

You can add Atalasoftware DotViewer to your web pages and applications and customize the application controls. You can provide localized strings for custom controls, windows, and alerts. These features are covered in this chapter.

Atalasoftware DotViewer server application contains a page with full information about customization and links to resources. To open the page, go to the folder where you installed Atalasoftware DotViewer and open the following file:

```
\Server\wwwroot\GettingStartedWithDotViewer.html
```

To modify the configuration of the Atalasoftware DotViewer site, use IIS Manager. See the Microsoft documentation for instructions.

## Localization

Atalasoftware DotViewer demo site provides US English language strings. You can support additional languages by creating localized string files.

The string files are located in the `wwwroot\resources\strings` folder where Atalasoftware DotViewer demo site is installed. String files use this naming convention:

```
dotViewerDemo.<language>-<locale>.json
```

The English language file is `dotViewerDemo.en.json`.

The file lists the variables used by the program for the strings and maps them to the text that appears. This is a section of the English-language file:

```
"dotviewer-scannerlist-noscanners": "(no scanners available)",  
"dotviewer-scansettings-device": "Device",  
"dotviewer-scansettings-options": "Scan options",  
"dotviewer-scansettings-source": "Source:",  
"dotviewer-scansettings-side": "Scan side:",  
"dotviewer-scansettings-pixeltype": "Color Mode:",  
"dotviewer-scansettings-resolution": "Resolution:",  
"dotviewer-scansettings-papertype": "Paper Type:",
```

To create a file for another language, make a copy of the `dotViewerDemo.en.json` and change "en" to the language and locale, such as `dotViewerDemo.pt-BR.json` for Brazilian Portuguese. Change the strings to the right of the colon to the appropriate text for that language.

The Atalasoftware DotViewer demo site application identifies the language setting of the browser and locates the corresponding language file.