

# Convert your Microsoft Access application to a Web Application

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July 3, 2018

Microsoft Access is a database management system (DBMS) from [Microsoft](#) that combines the relational Microsoft Jet Database Engine with a graphical user interface and software-development tools. It is a member of the [Microsoft Office](#) suite of applications.

Lots of our clients organize their business or even sell solutions around this great tool. But in times of cloud computing, web and mobile devices, the reach and usage of these Windows Desktop-based tools declines. Users require web-based applications, don't they?

[Thinfinity VirtualUI](#) can [take your software to the web](#), and now, your MS Access apps too!

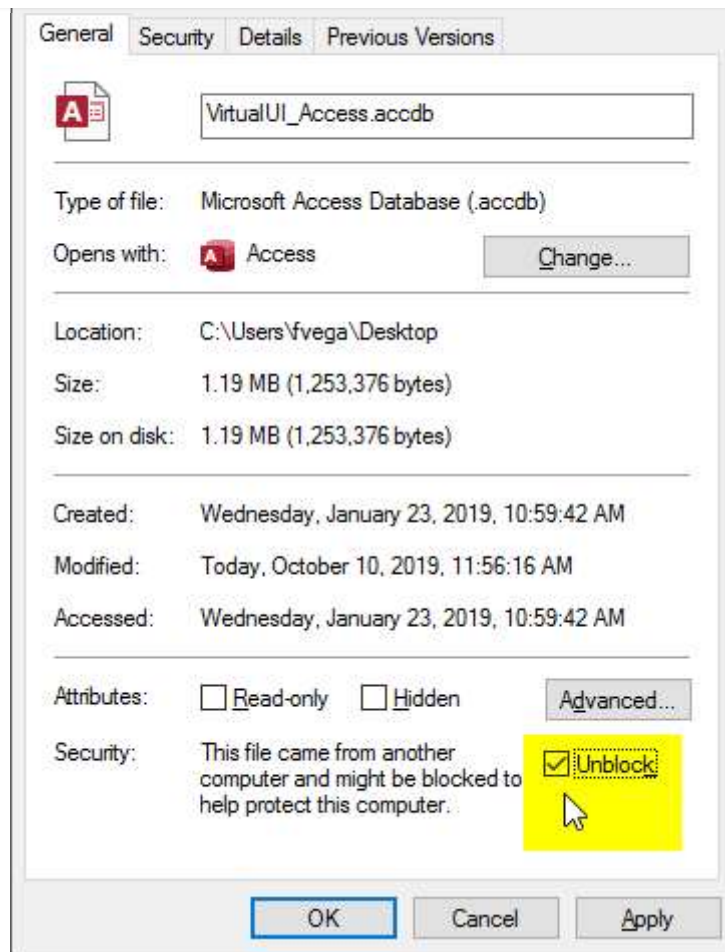
## Turn your MS Access application to a Web App

Ready to start? First check that you're running the latest version of [Thinfinity VirtualUI](#). Then download an example for web-enabling Microsoft Access and in the download link below:

[https://www.cybelesoft.com/support/files/DemosVUI/VirtualUI\\_Access.zip](https://www.cybelesoft.com/support/files/DemosVUI/VirtualUI_Access.zip)

*( On a side note, you may need to this in order for the demo to work .*

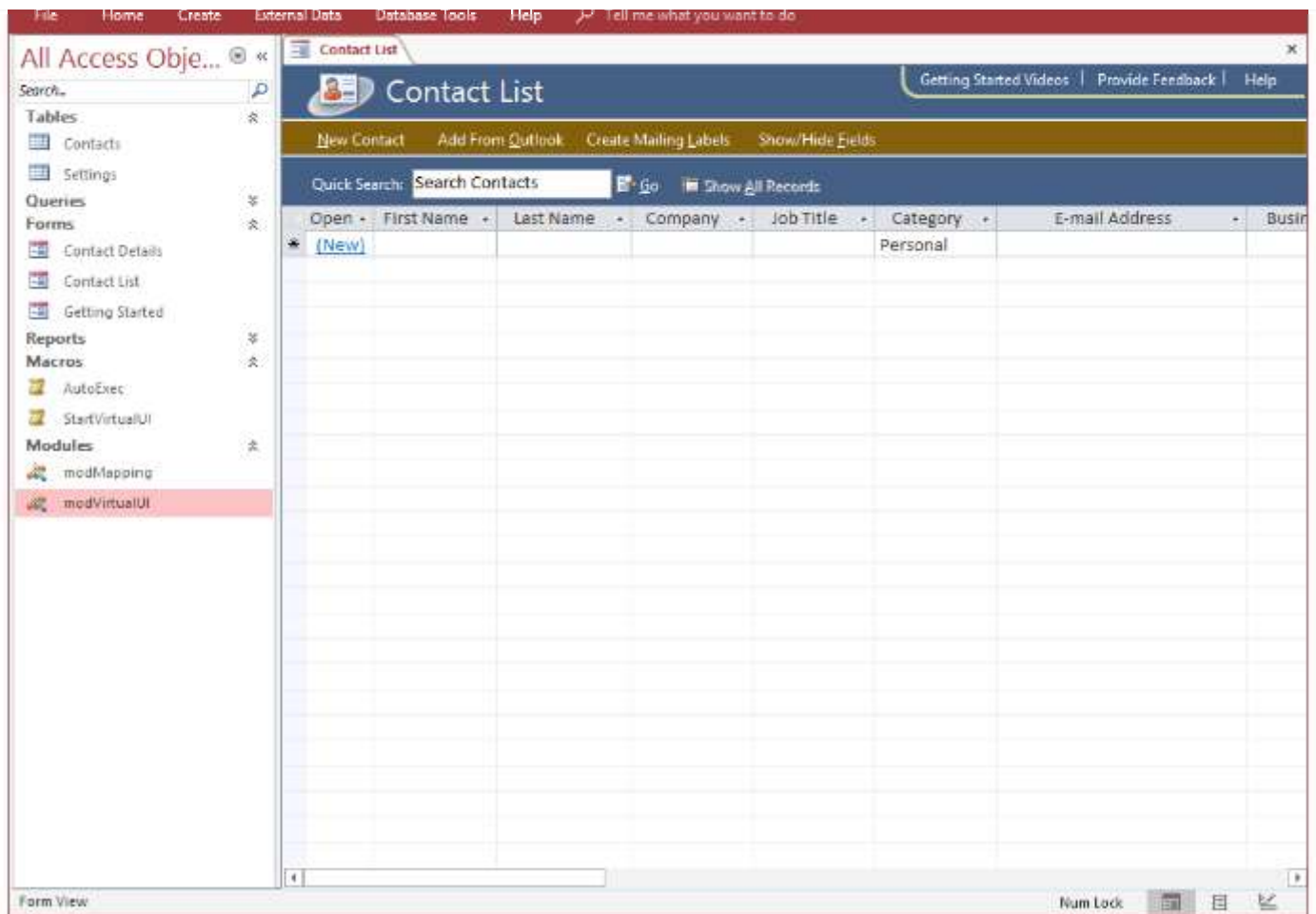
*After you unzip the file, right click the VirtualUI\_Access.accdb file, and click on "Properties". Check the "Unblock" checkbox, and click "Apply".*



Let's review the example given on the ZIP file:

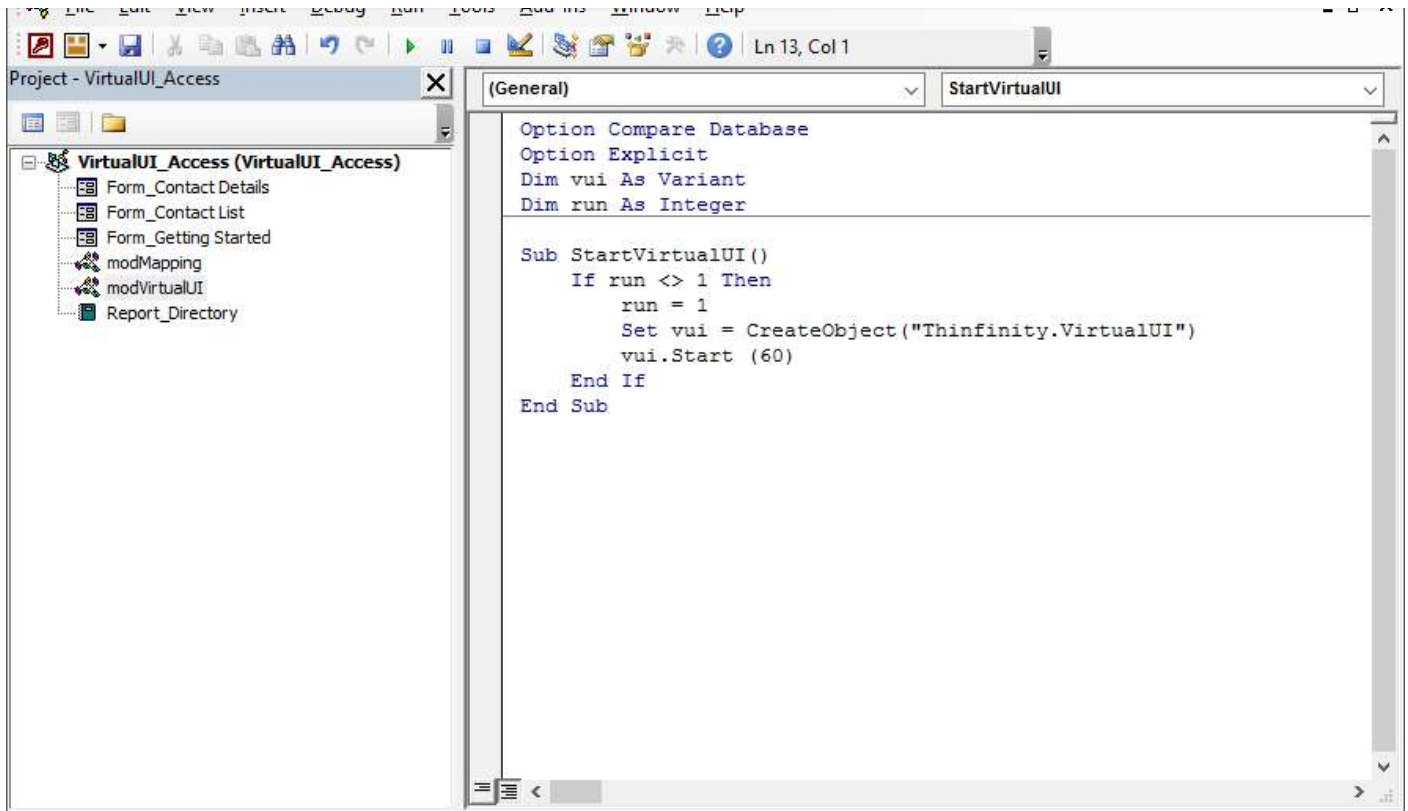
There are two things that you should take a look at from this demo:

1. the "modVirtualUI" module
2. Adding the VirtualUIStart method to your Main Form.



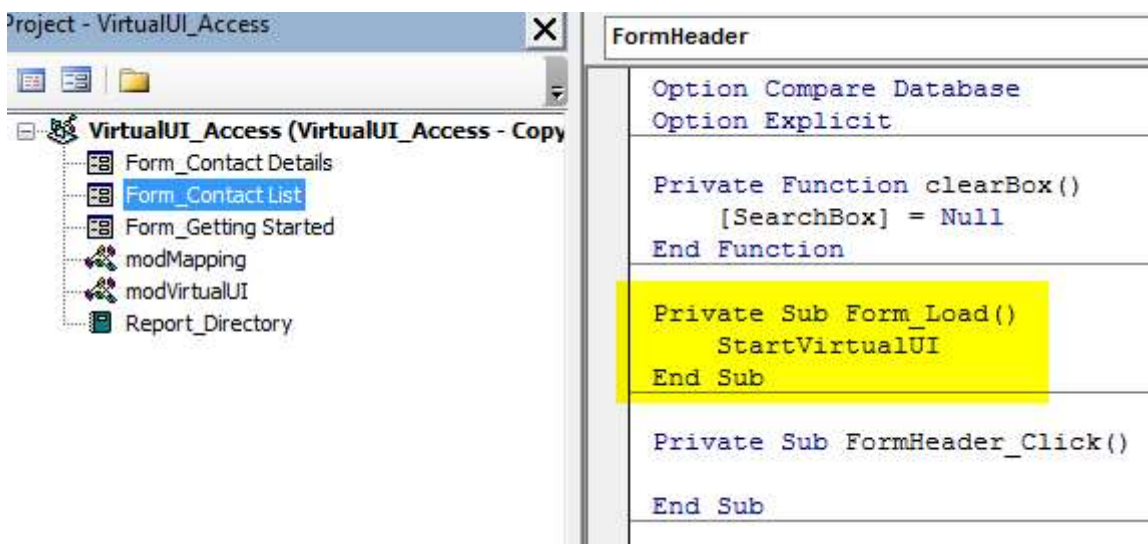
Both are needed if you want to successfully compile your application with VirtualUI.

The “modVirtualUI” module contains the call to VirtualUI, and is expressed in the following way:



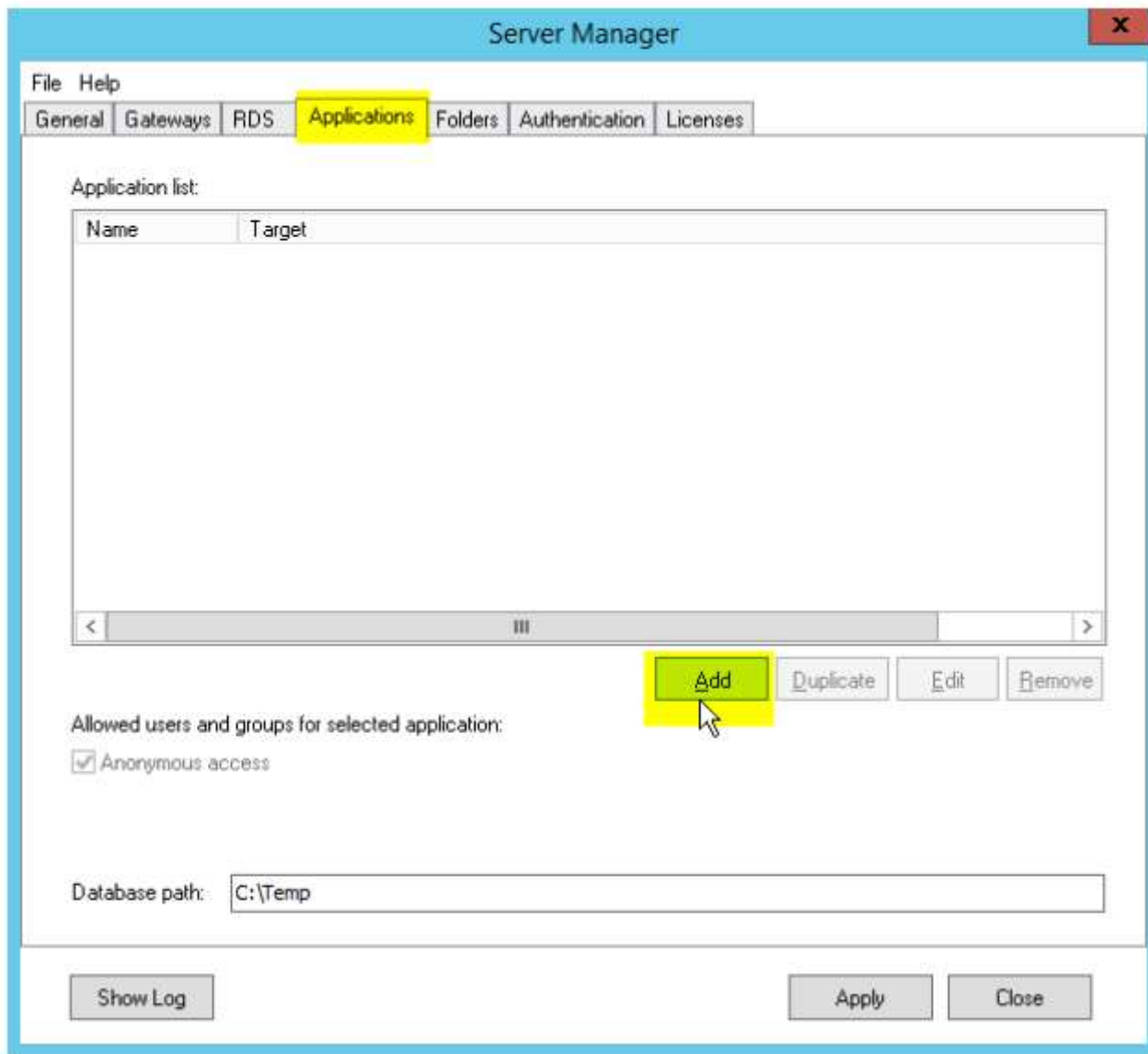
Now, we need to add the “StartVirtualUI” method to the Main Form of our Database.

**Note:** “StartVirtualUI” should be one of the first things Microsoft Access loads when it starts up, so it should be inside the main module of the database.

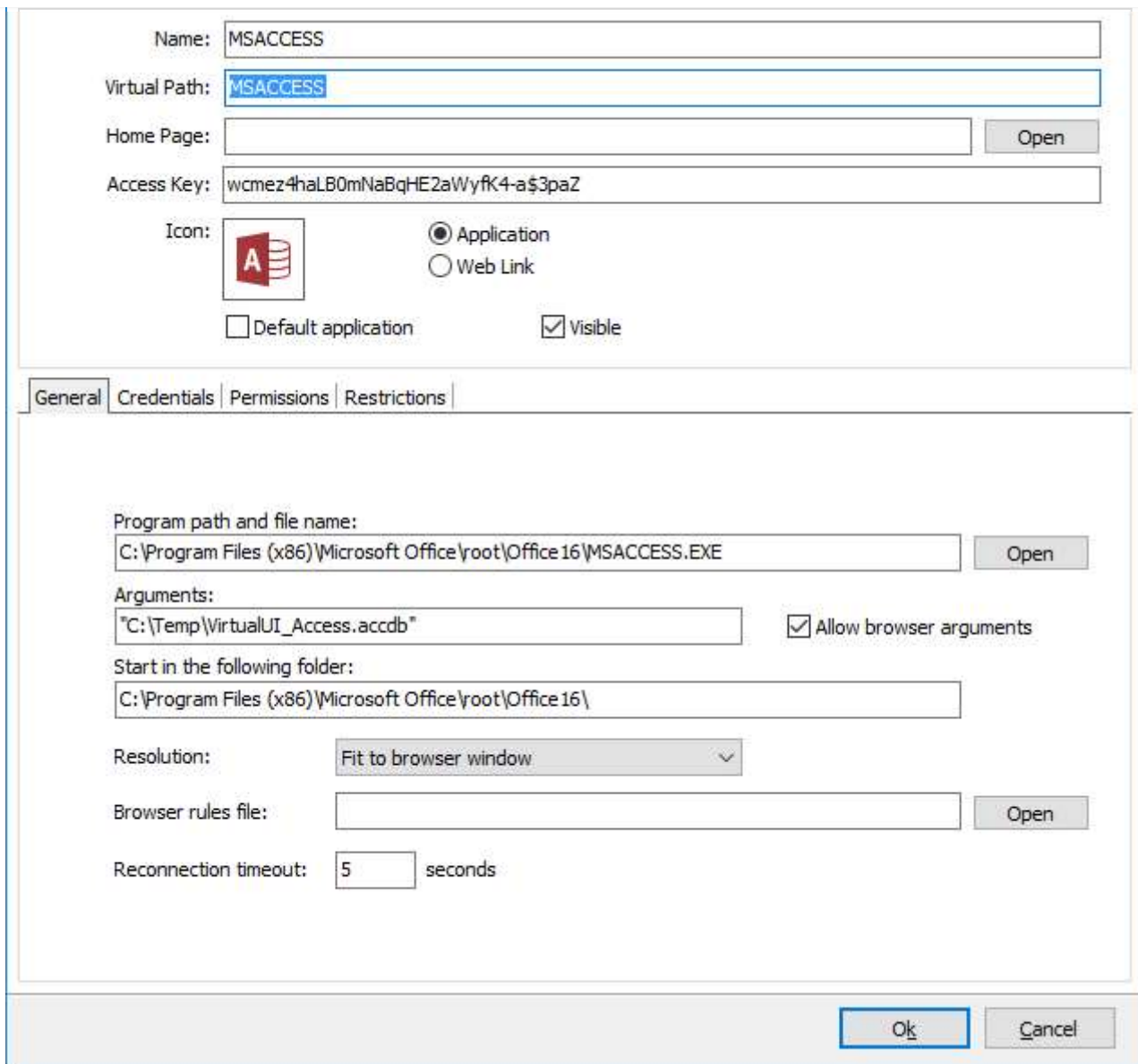


In this case, the Main Form is Form\_Contact List . Right below the “Form\_Load()” method, we are adding the call to “StartVirtualUI”

After you commit these changes, save the Access Database.



In this new window, we'll configure the Access Database to be published. Below you'll see an example of how it's done:




Name: MSACCESS

Virtual Path: MSACCESS

Home Page:

Access Key: wcmez4haLB0mNaBqHE2aWyfK4-a\$3paZ

Icon:  ☒ Application ☐ Web Link

☐ Default application ☒ Visible

General | Credentials | Permissions | Restrictions

Program path and file name: C:\Program Files (x86)\Microsoft Office\root\Office16\MSACCESS.EXE

Arguments: "C:\Temp\VirtualUI\_Access.accdb" ☒ Allow browser arguments

Start in the following folder: C:\Program Files (x86)\Microsoft Office\root\Office16\

Resolution: Fit to browser window

Browser rules file:

Reconnection timeout: 5 seconds

Let me

explain the following fields:

“Name”: The name you want the Web Application to display.

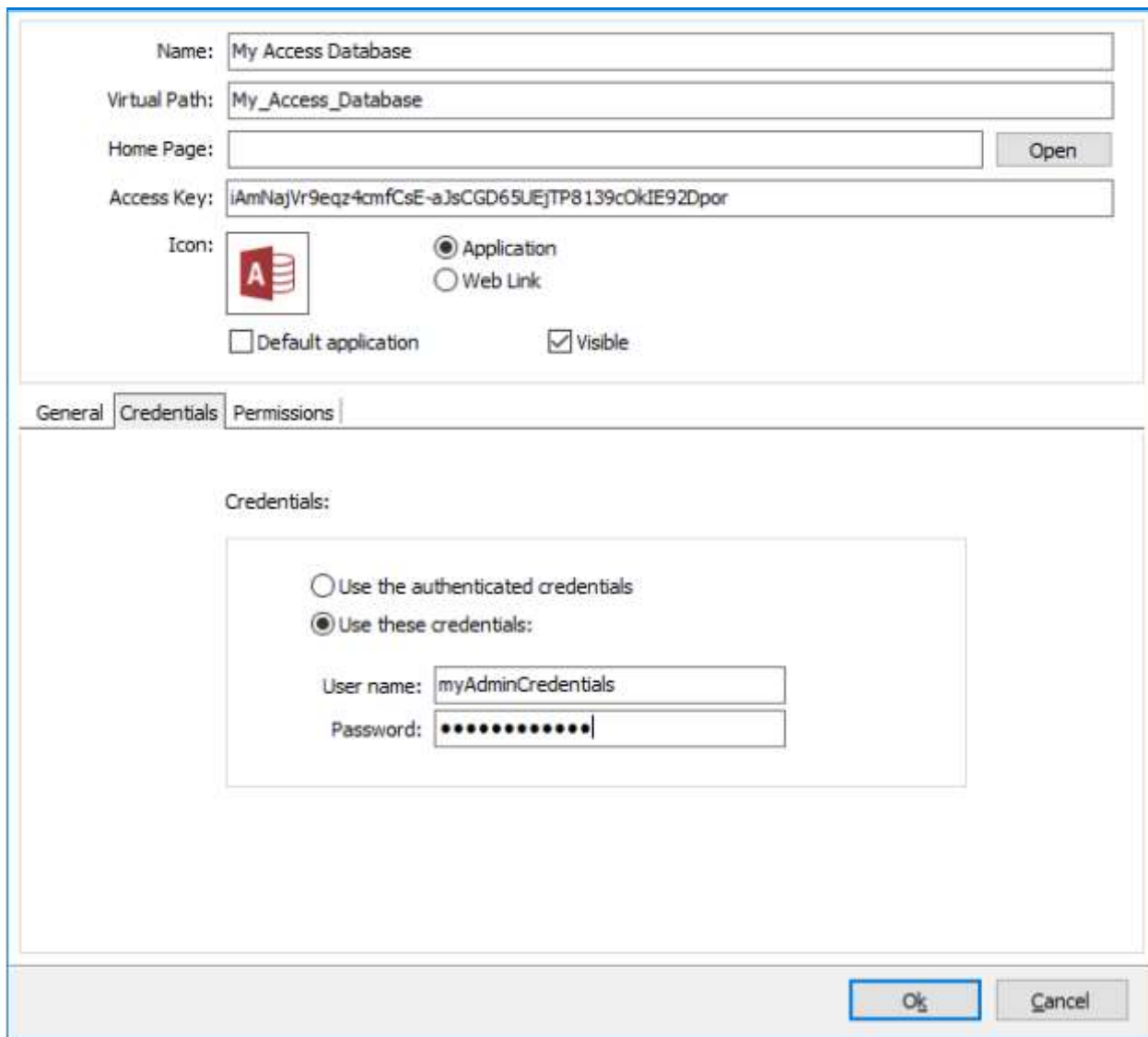
“Program path and file name”: In this case, we are using Office 16, so you’ll have to look for the MSACCESS.exe in the Program Files folder.

“Arguments”: Two things to take into consideration.

“C:\Apps VirtualUI\VirtualUI\_Access.accdb”: This is the path of the database you want to load when Access starts.

“/x StartVirtualUI”: This is the name of the macro that calls the “vui.Start”.

Under the “Credentials” tab, configure a user that has read and write permission on both the Program Files folder (where Access is ) and where the database is located:




The screenshot shows the 'Credentials' tab of a configuration window. The 'General' tab is also visible. The 'Name' field is 'My Access Database', 'Virtual Path' is 'My\_Access\_Database', and 'Access Key' is 'iAmNajVr9eqz4cmfCsE-aJsCGD65UEjTP8 139cOkIE92Dpor'. The 'Icon' is a red square with a white 'A' and a database cylinder. The 'Application' radio button is selected, and the 'Visible' checkbox is checked. The 'Credentials' section has two options: 'Use the authenticated credentials' (unselected) and 'Use these credentials:' (selected). Under 'Use these credentials:', the 'User name' is 'myAdminCredentials' and the 'Password' is masked with dots. The 'Ok' button is highlighted with a blue border.

Name: My Access Database

Virtual Path: My\_Access\_Database

Home Page:

Access Key: iAmNajVr9eqz4cmfCsE-aJsCGD65UEjTP8 139cOkIE92Dpor

Icon:  ☒ Application ☐ Web Link

☐ Default application ☒ Visible

General | **Credentials** | Permissions

Credentials:

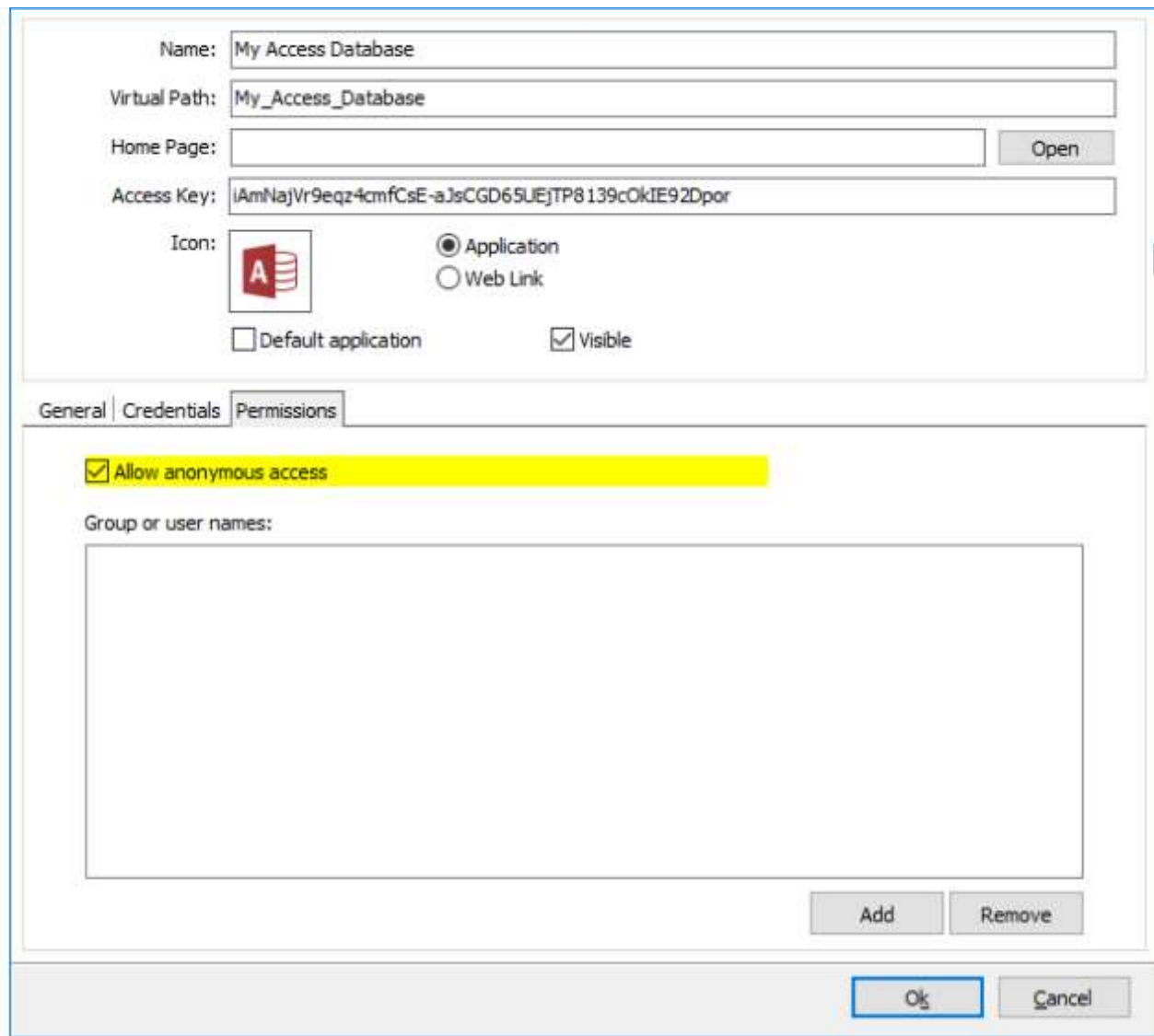
☐ Use the authenticated credentials

☒ Use these credentials:

User name: myAdminCredentials

Password: ●●●●●●●●

And under the Permissions tab, for testing purposes, click on “Allow anonymous access”:




Name: My Access Database

Virtual Path: My\_Access\_Database

Home Page:

Access Key: iAmNajVr9eqz4cmfCsE-aJsCGD65UEjTP8139cOkIE92Dpor

Icon:  ☒ Application ☐ Web Link

☐ Default application ☒ Visible

General | Credentials | Permissions

☒ Allow anonymous access

Group or user names:

Click “OK”, and then click “Apply”.

Open a new browser window and navigate to: <http://127.0.0.1:6580>

You will see the Thinfinty VirtualUI landing page, and your application published on it. Congrats!

Did you know that you can also use VirtualUI to [take WinDev Applications to the web](#)? Take a look at this article to [learn how to run Windev apps on any browser](#).

Have any questions? [Contact us](#) at [support@cybelesoft.com](mailto:support@cybelesoft.com) or leave a message on this same post.

Configuration

Integration

Virtualization

Windows app to web