ADD FILE ASSOCIATION VIA MSI

What is MSI?

MSI stands for **Microsoft Installer** also known as **Windows Installer**. It is a **file format** (.msi) used to **install, maintain, and remove software** on Windows.

Example: If you download **Firefox.msi**, you're downloading an installer that can install Firefox using the Windows Installer service.

What is File Association?

A file association is a **relationship between** a **file type** and a **supporting application**.

In short, File association **associate** (connect) file type to the app which are **capable** of opening the file.

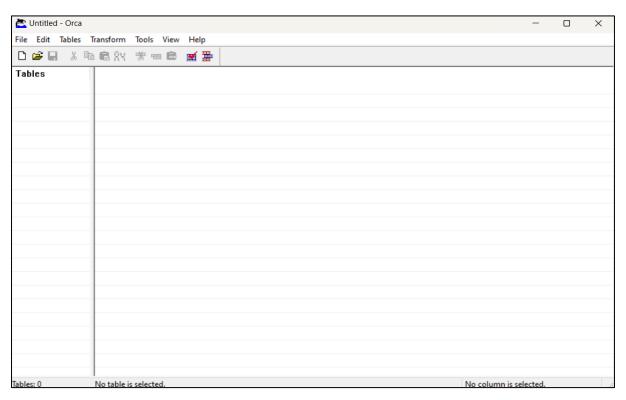
Example, a Word document may be associated with Microsoft Word. This means when you double-click a Word document, Microsoft Word will open the file.

What is Orca?

Orca is a free **Windows Installer package** editor from Microsoft. **Orca** is a **table editor** for .msi (Microsoft Installer) files. It lets you **view and modify** the internal database tables of an MSI package.

To Download Orca(https://developer.microsoft.com/en-us/windows/downloads/windows-sdk/)

Orca Interface:



Requirements:

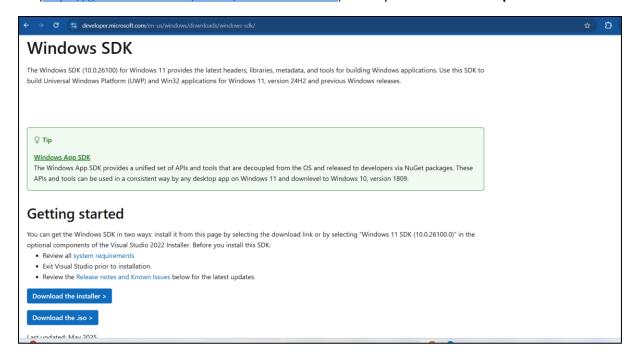
- Windows Operating System (Windows 10 or 11)
- Windows SDK (to install the Orca tool)
- Orca Tool (used to edit the MSI file)
- Firefox MSI File (eg: Firefox.msi)
- Notepad (to create a .gha test file)
- To download FirefoxMSI
 (https://www.exemsi.com/downloads/packages/Firefox/Firefox%20Setup%2014.0.1.msi)

Goal:

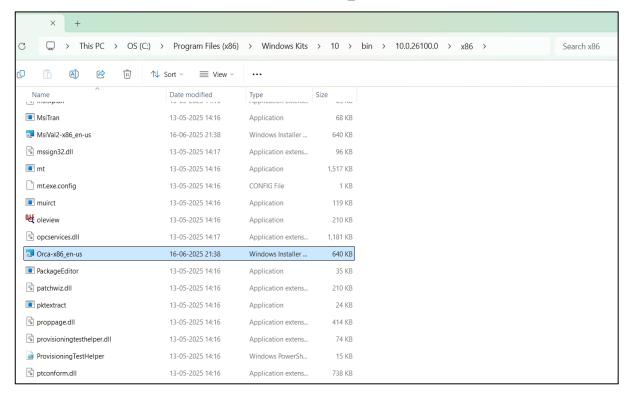
- This project shows how to change an **MSI installer** to add a **custom file** extension and to open the supported application automatically.
- We used a tool called **Orca** to edit the .msi file (I have used Firefox.msi).
- The goal was to **link files** with the custom extension (eg: .gha) to **open** with the **Firefox** browser (or any other application).
- Now, when we double-click a .gha file, it will open the Firefox automatically.
- This method is useful when we want to control how files open after installing a program.
- It can help IT teams or developers customize software setup easily.

Steps to Add File Association

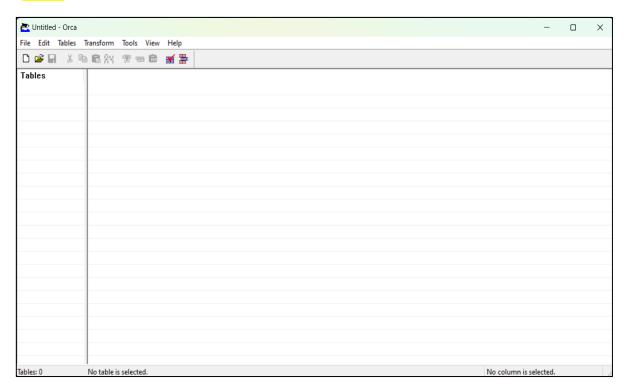
Step 1: Download Orca from the link given above or **download** it directly using this link(https://go.microsoft.com/fwlink/?linkid=2320455) then open the **winsdksetup**



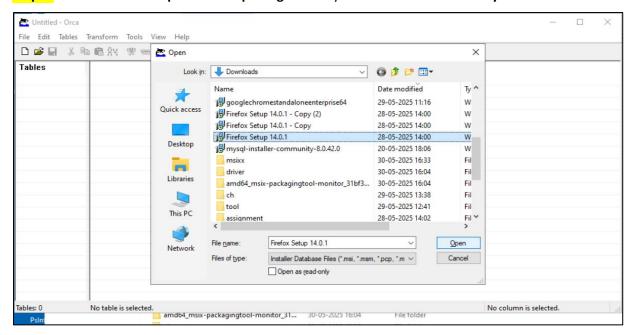
Step 2: Once the setup is installated, then navigate to this path C:\Program Files (x86)\Windows Kits\10\bin\10.0.26100.0\x86 and install the Orca-x86_en-us.msi



Step 3: Search Orca in the Start Menu and Open Orca App



Step 4: Click on File and Open the msi package which you want to view or modify.



Step 5: In the Registry table on the left side, manually add 3 rows for each row we will be have to fill Registry, Root, Key, Value, Component column and the Component (ex: bz.ProductComponent) will be same for all the 3 rows and Root (ex: 0) also

In the first row, Registry column enter the Extfile name and in the Key give the file extension you want (ex: .gha) and set a value (eg:FirefoxHTML.gha)

First Row

Registry: ghaExtFile

• Root: 0 <----same for all 3 rows

• **Key: .gha** <----this is custom extension

Value: FirefoxHTML.gha

• Component: bz.ProductComponent <----same for all 3 rows

Second Row

Registry: GhaProgID

Key: FirefoxHTML.gha

Value: Firefox gha File

Third Row

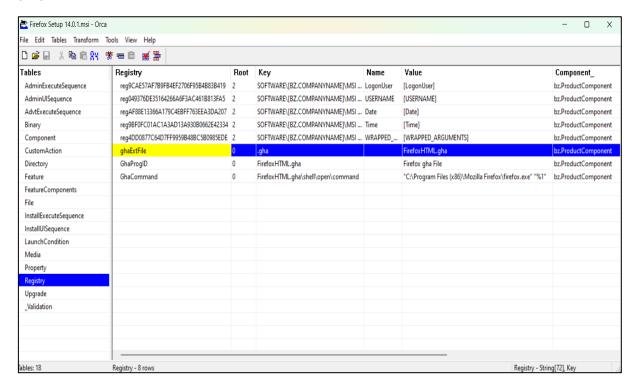
Registry: GhaCommand

Key: FirefoxHTML.gha\shell\open\command

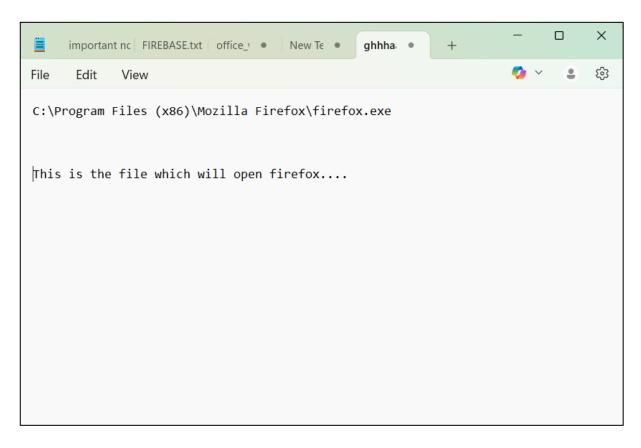
Value: "C:\Program Files (x86)\Mozilla Firefox\firefox.exe" "%1"

(%1 represents the file the user double-clicked)

Step 6: After adding the 3 rows, then in **File** click on **save as** (I have given **fireeeee.msi**) and give a proper name then **close Orca**



Step 7: Open Notepad and create a new test file with your custom extension (eg: .gha) and select All files as the file type



Step 8: Uninstall the previous MSI if it is already installed (In my case, I had Firefox installed, so I uninstalled it.) then **install** the new MSI that you saved in Step 6 (eg: fireeeeeee.msi the one with file association added).



Step 9: Double click on the file we create using notepad (.gha) it will open the Firefox



