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RunInSandbox: a quick way to run/extract files in Windows Sandbox with a right-click on a file

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In this post I will show you the new version of RunInSandbox allowing you to easily run files in Windows Sandbox with just a right-click.

Prerequisites
- At least Windows 10 1903
- Windows Sandbox feature enabled
- Admin rights to install the tool

The solution
The idea is this solution is to make some testing tasks easier by just running a file on Windows Sandbox with just a right-click on this file.
With this solution you will able to
- Run a PS1 as user in Sandbox
- Run a PS1 as system in Sandbox
- Run a VBS in Sandbox
- Run a CMD in Sandbox
- Run a MSI in Sandbox
- Run an MSIX in Sandbox
- Run a EXE in Sandbox
- Run a PPKG in Sandbox
- Run an Intunewin in Sandbox
- Run a REG file in Sandbox
- Open an URL or html in Sandbox
- Open a PDF in Sandbox
- Extract a ZIP in Sandbox
- Extract an ISO in Sandbox
- Share a folder in Sandbox
- Run multiple apps, scipts in same Sanbdox session

Here is an overview for right-click on a PS1 file

What s new ?
In this version you will be now able to:
- Run a CMD in Sandbox
- Open a PDF in Sandbox

- Automatically purge WSB files
- Resolve some context menus issues
- Update Intunewin decoder

Special thanks

As you may know this is a free project built in free time.
In the new version i would like to thank some guys who contributed in this project:
- Julian aka Joly0
- Harm Veenstra
- ImportTaste

How to get it ?

Click on the below GitHub picture
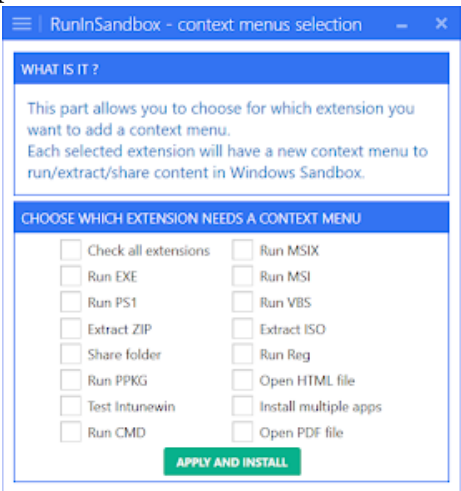

Context menus issues

If context menus are not displayed (especially on Windows 11) or you faced some issues with a context menu action, do not hesitate to send me a mail at damien.vanrobaeys@gmail.com or add a new issue on GitHub by clicking there.

Feedback or ideas

If you have feedback about some other things to run in Windows Sandbox don't hesitate to contact me 😄

How to install it ?

1. Download the file from GitHub, there
2. Extract the archive
3. Run file **Add_Structure.ps1** with admin rights
4. Context menus will be added
5. A folder **Run_in_Sandbox** will be copied in C:\ProgramData
OR
1. Run **.\Add_Structure.ps1 -NoSilent** with admin rights
2. A GUI will be prompted

3. Choose context menus to add
4. Click on **Apply and install**

Be careful
Be sure to copy all content of the ZIP including folder Sources and all its content.
Do not run only the Add_Structure.ps1 file !!!

How to remove it ?

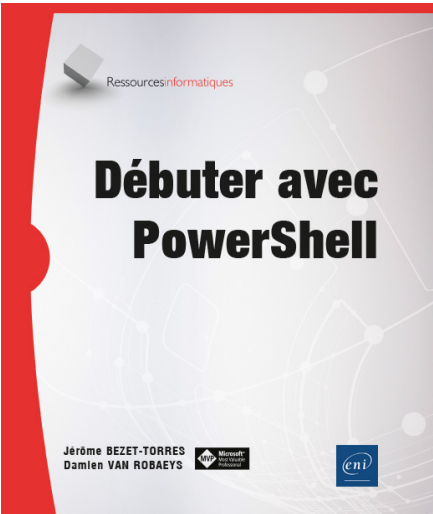Run the **Remove_Structure.ps1** file with admin rights

Sandbox configuration

1. Open downloaded folder
2. Go to **Run-in-Sandbox-master\Sources\Run_in_Sandbox**
3. Edit file **Sandbox_Config.xml**

It allows you to set below options for Windows Sandbox:

- VGpu option
- Networking option
- ReadOnlyAccess option for shared folder
- WSB files location

If the **WSB_Location** is set to **Default**, WSB files will be saved in **%temp%**.
You can type your own location.
It also allows you to choose which context menus you want to enable.
Set them to **True** or **False** to add context menu or not.

Choose context menu to add

1. Go to **Run-in-Sandbox-master\Sources\Run_in_Sandbox**
2. Edit file **Sandbox_Config.xml**
3. Set below nodes to **True** or **False**:
- ContextMenu_EXE: context menu for EXE file
- ContextMenu_PS1: context menu for PS1 file
- ContextMenu_MSI: context menu for MSI file
- ContextMenu_VBS: context menu for VBS file
- ContextMenu_ZIP: context menu for ZIP file
- ContextMenu_Folder: context menu for folder
- ContextMenu_Intunewin: context menu for Intunewin file
- ContextMenu_Reg: context menu for Reg file
- ContextMenu_ISO: context menu for ISO file
- ContextMenu_PPKG: context menu for PPKG file
- ContextMenu_HTML: context menu for HTML file
- ContextMenu_MSIX: context menu for MSIX file
- ContextMenu_CMD: context menu for CMD file
- ContextMenu_PDF: context menu for PDF file

WSB auto cleanup

When you use a right-click context menu, it will automatically create a WSB file in **%temp%**.
To automatically cleanup WSB file after Sandbox has been closed set the **WSB_Cleanup** parameter to **True**.

Run PS1 in Sandbox

1. Choose the PS1 you want to run in Sandbox
2. Do a right-click on the PS1 file
3. You will have differents choices:
- Run PS1 as user
- Run the PS1 as SYSTEM
- Run the PS1 with parameters
4. The Sandbox will be automatically launched with the specific configuration

Run EXE in Sandbox

1. Choose the EXE you want to run
2. Do a right-click on the EXE file
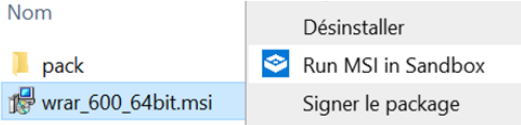3. Select **Run EXE in Sandbox**

4. A GUI will be displayed
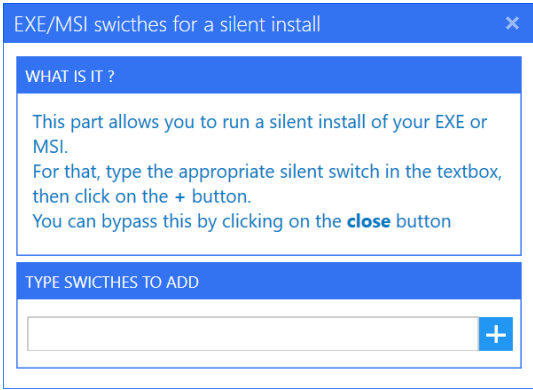
5. Type switches to add to the commandline or skip it
6. The Sandbox will be automatically launched with the specific configuration

Run MSI in Sandbox

1. Choose the msi you want to run in Sandbox
2. Do a right-click on the msi file
3. Select **Run msi in Sandbox**

4. A GUI will be displayed