

Windows Sandboxer Tool

Manual

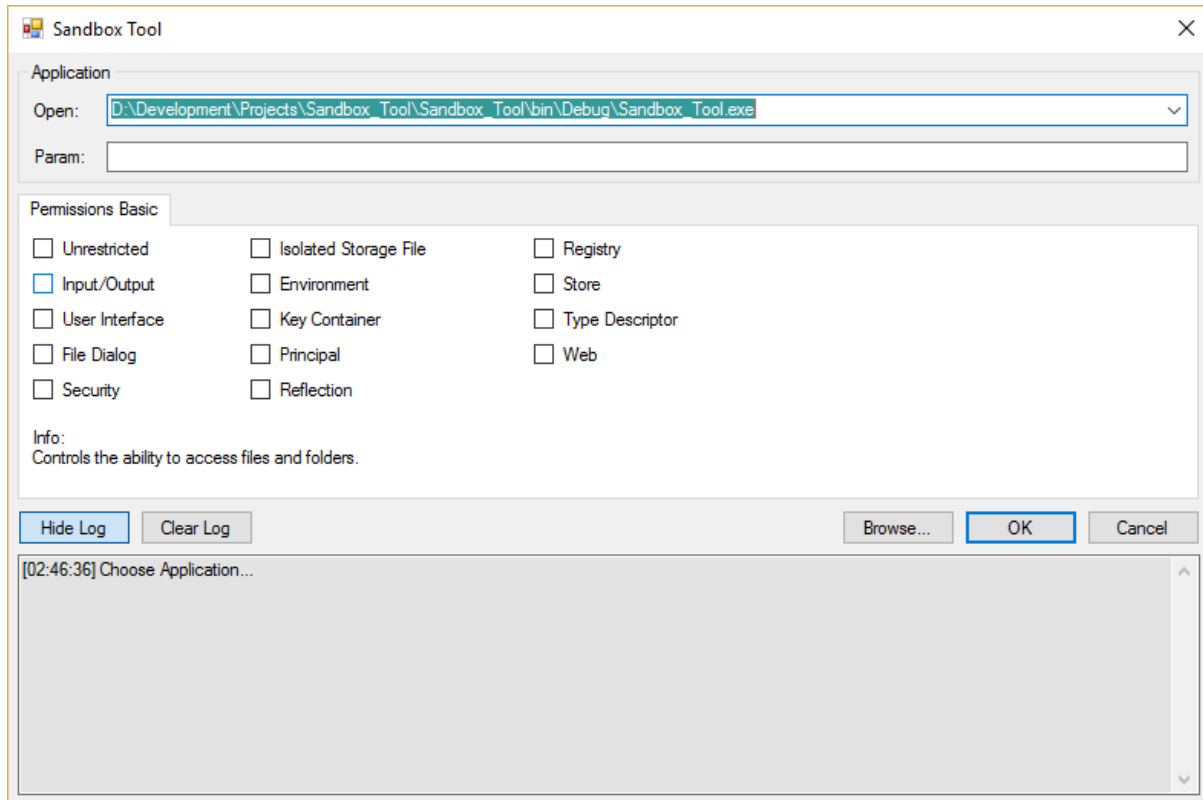
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1. Graphical User Interface

The 'Sandbox_Tool' will initialise a Form/GUI with the condition that the command-line argument parameter is empty. A Console window will accompany the Form to provide a platform for any console applications executed within the sandbox environment.



Screenshot of the Windows Sandbox Tool Graphical User Interface.

The user interaction process is very short;

1. Enter the Application File path in the 'Open' textbox field, by either typing the path out or select the desired application through the File Dialog using the 'Browse...' button.
(Optional) Enter any extra parameter arguments in the 'Param' textbox field, should the application require/support this option.
2. Select all the desired Permissions from the 'Permissions Basic' tab.
Info/Description of each permission is given in the appropriate 'Info' section, this updates with each permission being hovered over by the mouse pointer.
3. Clicking the 'OK' button will execute the selected application with the desired conditions outlined above.

'Hide Log' and 'Clear Log' buttons manage the Log located at the bottom of the window which displays the different application processes being carried out, including any errors picked up and what is required/demanded.

2. Command-Line

The 'Sandbox_Tool' has command-line support which overwrites GUI/Form execution when this program is run with argument parameters.

```

C:\WINDOWS\system32\cmd.exe
D:\Development\Projects\Sandbox_Tool\Sandbox_Tool\bin\Debug>Sandbox_Tool.exe -h
Parameters: "<application path>" "<application parameters>" "<permissions>"
-un = Unrestricted permissions
-io = IO permissions
-ui = UI permissions
-fd = File Dialog permissions
-sec = Security permissions
-is = Isolated Storage permissions
-env = Environment permissions
-kc = Key Container permissions
-pr = Principal permissions
-ref = Reflection permissions
-reg = Registry permissions
-st = Store permissions
-ctd = Check Type Descriptor permissions
-web = Web permissions
D:\Development\Projects\Sandbox_Tool\Sandbox_Tool\bin\Debug>_

```

Screenshot of the help/permission section of the Sandbox Tool using command-line.

When executing using command line the application will notify the user to run the 'Help/Permission' command using "-h" when the required parameters to execute applications in the sandbox environment is not met.

As stated the desired parameter and format is:

```
Parameters: "<application path>" "<application parameters>" "<permissions>"
```

The 'application parameters' are again optional and only apply to applications that either require or support them.

'Permissions' can be stacked using the appropriate permission commands, which can be seen listed above.

Example command:

```
sandbox_tool.exe "D:\Development\Sandbox_Tool.exe" "" "-un"
```

This command will open the GUI version 'Sandbox_Tool' (as the parameters field is empty) with unrestricted permissions.