

Registry Plugin

The registry plugin allows users to search the Windows registry.

Special functions (differ from the regular functions)

- Support full base keys and short base keys (e.g. HKLM for HKEY_LOCAL_MACHINE).
- Show count of subkeys and count of values in the second result line.
- Search for value names and value data inside a registry key (syntax: [RegistryKey]\\[ValueName] and [RegistryKey]\\[ValueData])

The Windows Registry

The registry contains all settings for the Windows operating system and many settings of the installed (Windows only) programs.

Note: Linux and macOS program ports typically store the settings in its own configuration files and not in the Windows registry.

For more information about the Windows registry, see the official documentation.

For advanced information about the Windows registry, see Windows registry information for advanced users.

Score

The score is currently not set on the results.

Important for developers

General

- The assembly name is cached into `_assemblyName` (to avoid too many calls of `Assembly.GetExecutingAssembly()`)

Results

- All results override the visible search result via `QueryTextDisplay` to avoid problems with short registry base keys (e.g. HKLM).
- The length of a `Title` and `Subtitle` is automatically truncated, when it is too long.

Microsoft.Plugin.Registry project

Important plugin values (meta-data)

Name	Value
ActionKeyword	:

Name	Value
ExecuteFileName	Microsoft.PowerToys.Run.Plugin.Registry.dll
ID	303417D927BF4C97BCFFC78A123BE0C8

Interfaces used by this plugin

The plugin use only these interfaces (all inside the `Main.cs`):

- `Wox.Plugin.IPlugin`
- `Wox.Plugin.IContextMenu`
- `Wox.Plugin.IPluginI18n`
- `System.IDisposable`

Program files

File	Content
<code>Classes\RegistryEntry.cs</code>	Wrapper class for a registry key with a possible exception on access
<code>Constants\KeyName.cs</code>	Static used short registry key names (to avoid code and string doubling)
<code>Constants\MaxTextLength.cs</code>	Contain all maximum text lengths (for truncating)
<code>Enumeration\TruncateSide.cs</code>	Contain the possible truncate sides
<code>Helper\ContextMenuHelper.cs</code>	All functions to build the context menu (for each result entry)
<code>Helper\QueryHelper.cs</code>	All functions to analyze the search query
<code>Helper\RegistryHelper.cs</code>	All functions to search into the Windows registry (via <code>Win32.Registry</code>)
<code>Helper\ResultHelper.cs</code>	All functions to convert internal results into WOX results
<code>Helper\ValueHelper.cs</code>	All functions to convert values into human readable values
<code>Images\reg.dark.png</code>	Symbol for the results for the dark theme
<code>Images\reg.light.png</code>	Symbol for the results for the light theme
<code>Properties\Resources.Designer.cs</code>	File that contain all translatable keys
<code>Properties\Resources.resx</code>	File that contain all translatable strings in the neutral language
<code>GlobalSuppressions.cs</code>	Code suppressions (no real file, linked via *.csproj)
<code>Main.cs</code>	Main class, the only place that implement the WOX interfaces
<code>plugin.json</code>	All meta-data for this plugin
<code>StyleCop.json</code>	Code style (no real file, linked via *.csproj)

Important project values (*.csproj)

Name	Value
TargetFramework	net6.0-windows (.NET 5) or net6.0-windows10.0.18362.0 (OS version specific)
LangVersion	8.0 (mean C# 8.0)
Platforms	x64
Nullable	true
Output	..\..\..\..\x64\Debug\modules\launcher\Plugins\Microsoft.Plugin.Registry\
RootNamespace	Microsoft.PowerToys.Run.Plugin.Registry
AssemblyName	Microsoft.PowerToys.Run.Plugin.Registry

Project dependencies

Packages

Package	Version
Microsoft.CodeAnalysis.FxCopAnalyzers	3.3.0
StyleCop.Analyzers	1.1.118

Projects

- Wox.Infrastructure
- Wox.Plugin