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_LOCALE_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 typical store the settings in it's 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 to 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 automatic truncated, when it is to long.

Microsoft.Plugin.Registry project

Important plugin values (meta-data)

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