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Burn system searches

Searches are used to detect if the target machine meets certain conditions. The result of a search is stored into a variable. Variables are then used to construct conditions. To author Burn searches, you need to reference the WixToolset.Util.wixext WiX extension.

The following searches are available:

- [ComponentSearch](#)
- [DirectorySearch](#)
- [FileSearch](#)
- [ProductSearch](#)
- [RegistrySearch](#)
- [WindowsFeatureSearch](#)

A search can be dependent on the result of another search. To order searches, use the `After` attribute to schedule a search to take place after another search, when the variable from the first search has a value with the results of that search.

Here are some examples:

```
<util:RegistrySearch
  Id="RegistrySearchId64"
  Variable="RegistrySearchVariable64"
  Root="HKLM"
  Key="SOFTWARE\Microsoft\NET Framework Setup\NDP\v4\Full"
```

```
Value="Release"
Result="value"
Bitness="always64" />

<util:ProductSearch
  Id="ProductSearchId"
  Variable="ProductSearchVariable"
  UpgradeCode="{8C74C610-AB2A-4BFB-9FC6-8683A9100424}"
  Result="version" />

<util:DirectorySearch
  Id="DirectorySearchId"
  Variable="DirectorySearchVariable"
  Path="[WindowsFolder]System32"
  DisableFileRedirection="yes" />

<util:FileSearch
  Id="FileSearchId"
  Variable="FileSearchVariable"
  After="DirectorySearchId"
  Path="[DirectorySearchVariable]\mscoree.dll"
  Result="exists" />

<util:WindowsFeatureSearch
  Id="DetectSHA2SupportId"
  Variable="IsSHA2Supported"
  Feature="sha2CodeSigning" />
```

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