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# Starts Development Drive by mounting Development.vhdx Windows image file

## Quick Start Notes:

This document contains API's used in the the solution. This Solution requires Visual Studio 2022 Enterprise 17.0.0 Preview 1 or higher. Use this solution also to build StartDevDrive\_api.pdf, and StartDevDrive\_articles.pdf using DocFx and wkhtmltopdf 0.12.6 or higher.

### Solution Requirements

DocFx.Console version 2.58.0 or higher.

[Download DocFx Nuget package version 2.58.0](#)

Microsoft.Extensions.Logging version 6.0.0-preview.5.21301.5 or higher.

[Download Microsoft.Extensions.Logging Nuget package version 6.0.0-preview.5.21301.5](#)

Net Core 6.0.100-preview.5.21302.13 or higher.

[Download the Net Core 6.0.100-preview.5.21302.13](#)

Visual Studio Enterprise 2022 version 17.0.0 Preview 1 or higher.

[Download the Visual Studio Enterprise 2022](#)

Wkhtmltopdf 0.12.6 or higher.

[Download the Wkhtmltopdf 0.12.6 application installer](#)

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User Notification State

# Class FileLoggerExtensions

Class FileLoggerExtensions

## Inheritance

System.Object

FileLoggerExtensions

## Inherited Members

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.ToString()

Namespace: [StartDevDrive](#)

Assembly: StartDevDrive.dll

## Syntax

```
public static class FileLoggerExtensions
```

## Remarks

### History:

#### Code Changed by:

Danny C. McNaught

[danny.mcnaught@dannymcnaught.com](mailto:danny.mcnaught@dannymcnaught.com)

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Sunday, June 20, 2021 10:54 PM

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## Methods

AddFile(ILoggerFactory, String, String)

Adds the file.

## Declaration

```
public static ILoggerFactory AddFile(this ILoggerFactory factory, string name, string logFolder)
```

## Parameters

TYPE	NAME	DESCRIPTION
Microsoft.Extensions.Logging.ILoggerFactory	factory	The factory.
System.String	name	The name.
System.String	logFolder	The log folder.

#### Returns

TYPE	DESCRIPTION
Microsoft.Extensions.Logging.ILoggerFactory	ILoggerFactory.

#### Remarks

#### History:

DESCRIPTION
Created XML Comment

# Class FileLoggerProvider

Class FileLoggerProvider

## Inheritance

System.Object

FileLoggerProvider

## Implements

Microsoft.Extensions.Logging.ILoggerProvider

System.IDisposable

## Inherited Members

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.ToString()

Namespace: [StartDevDrive](#)

Assembly: StartDevDrive.dll

## Syntax

```
public sealed class FileLoggerProvider : ILoggerProvider, IDisposable
```

## Remarks

### History:

#### Code Changed by:

Danny C. McNaught

[danny.mcnaught@dannymcnaught.com](mailto:danny.mcnaught@dannymcnaught.com)

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Sunday, June 20, 2021 10:44 PM

#### Code Changes:

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## Constructors

FileLoggerProvider(StreamWriter)

Initializes a new instance of the [FileLoggerProvider](#) class.

## Declaration

```
public FileLoggerProvider(StreamWriter writer)
```

## Parameters

TYPE	NAME	DESCRIPTION
System.IO.StreamWriter	writer	The writer.

## Remarks

## History:

<b>Code Changed by:</b>  Danny C. McNaught <a href="mailto:danny.mcnaught@dannymcnaught.com">danny.mcnaught@dannymcnaught.com</a>
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## FileLoggerProvider(String, String)

Initializes a new instance of the [FileLoggerProvider](#) class.

## Declaration

```
public FileLoggerProvider(string name = null, string logFolder = null)
```

## Parameters

TYPE	NAME	DESCRIPTION
System.String	name	The name.
System.String	logFolder	The log folder.

## Remarks

## History:

<b>Code Changed by:</b>  Danny C. McNaught <a href="mailto:danny.mcnaught@dannymcnaught.com">danny.mcnaught@dannymcnaught.com</a>

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**Code Changes:**

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**Methods****AppName()**

Applications the name.

**Declaration**

```
public static string AppName()
```

**Returns**

TYPE	DESCRIPTION
System.String	System.String.

**Remarks****History:**

DESCRIPTION
Created XML Comment

**AppPath()**

Applications the path.

**Declaration**

```
public static string AppPath()
```

**Returns**

TYPE	DESCRIPTION
System.String	System.String.

**Remarks****History:**



DESCRIPTION
Created XML Comment

CreateLogger(String)

Creates a new T:Microsoft.Extensions.Logging.ILogger instance.

Declaration

```
public ILogger CreateLogger(string categoryName)
```

Parameters

TYPE	NAME	DESCRIPTION
System.String	categoryName	The category name for messages produced by the logger.

Returns

TYPE	DESCRIPTION
Microsoft.Extensions.Logging.ILogger	ILogger.

Remarks

History:

DESCRIPTION
Created XML Comment

Dispose()

Performs application-defined tasks associated with freeing, releasing, or resetting unmanaged resources.

Declaration

```
public void Dispose()
```

Remarks

History:

DESCRIPTION
Created XML Comment

Implements

Microsoft.Extensions.Logging.ILoggerProvider  
System.IDisposable

---

# Class Program

## Class Program

### Inheritance

System.Object

Program

### Inherited Members

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.ToString()

Namespace: [StartDevDrive](#)

Assembly: StartDevDrive.dll

### Syntax

```
public class Program
```

### Remarks

### History:

#### Code Changed by:

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### Properties

#### AppLocation

Gets or sets the application location.

### Declaration

```
public static string AppLocation { get; set; }
```

### Property Value

TYPE	DESCRIPTION
System.String	The application location.

Remarks

#### History:

<b>Code Changed by:</b> Danny C. McNaught <a href="mailto:danny.mcnaught@dannymcnaught.com">danny.mcnaught@dannymcnaught.com</a>
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#### DDriveCounter

Gets or sets the d drive counter.

Declaration

<code>public static int DDriveCounter { get; set; }</code>
--

Property Value

TYPE	DESCRIPTION
System.Int32	The d drive counter.

Remarks

#### History:

<b>Code Changed by:</b> Danny C. McNaught <a href="mailto:danny.mcnaught@dannymcnaught.com">danny.mcnaught@dannymcnaught.com</a>
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Created XML Comment

## EDriveCounter

Gets or sets the e drive counter.

### Declaration

```
public static int EDriveCounter { get; set; }
```

### Property Value

TYPE	DESCRIPTION
System.Int32	The e drive counter.

### Remarks

### History:

**Code Changed by:**

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## Factory

Gets or sets the factory.

### Declaration

```
public static ILoggerFactory Factory { get; set; }
```

### Property Value

TYPE	DESCRIPTION
Microsoft.Extensions.Logging.ILoggerFactory	The factory.

**History:****Code Changed by:**

Danny C. McNaught

[danny.mcnaught@dannymcnaught.com](mailto:danny.mcnaught@dannymcnaught.com)**Code changed on Visual Studio Host Machine:**

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**IconsRefreshed**

Gets or sets the icons refreshed.

## Declaration

```
public static bool IconsRefreshed { get; set; }
```

## Property Value

TYPE	DESCRIPTION
System.Boolean	The icons refreshed.

**History:****Code Changed by:**

Danny C. McNaught

[danny.mcnaught@dannymcnaught.com](mailto:danny.mcnaught@dannymcnaught.com)**Code changed on Visual Studio Host Machine:**

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**Code Changes:**

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## Logger

Gets or sets the logger.

### Declaration

```
public static ILogger Logger { get; set; }
```

### Property Value

TYPE	DESCRIPTION
Microsoft.Extensions.Logging.ILogger	The logger.

### Remarks

### History:

#### Code Changed by:

Danny C. McNaught

[danny.mcnaught@dannymcnaught.com](mailto:danny.mcnaught@dannymcnaught.com)

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## Methods

CreateDevelopmentTxtFileAsync(String, String, String, String)

Creates the development text file asynchronous.

### Declaration

```
public static async Task CreateDevelopmentTxtFileAsync(string vhdxDriveLocation, string vhdxFilename, string fileFullName, string vhdxDriveLetter)
```

### Parameters

TYPE	NAME	DESCRIPTION
System.String	vhdxDriveLocation	The VHDX drive location.
System.String	vhdxFilename	Name of the VHDX file.

TYPE	NAME	DESCRIPTION
System.String	fileFullName	Full name of the file.
System.String	vhdxDriveLetter	The VHDX drive letter.

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task	System.Threading.Tasks.Task.

Remarks

History:

<b>Code Changed by:</b>  Danny C. McNaught <a href="mailto:danny.mcnaught@dannymcnaught.com">danny.mcnaught@dannymcnaught.com</a>
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MountDrive(Boolean)

Mounts the drive.

Declaration

```
public static StringBuilder MountDrive(bool defaultValue = false)
```

Parameters

TYPE	NAME	DESCRIPTION
System.Boolean	defaultValue	if set to <code>true</code> [default value].

Returns

TYPE	DESCRIPTION

TYPE	DESCRIPTION
System.Text.StringBuilder	StringBuilder.

Remarks

### History:

DESCRIPTION
Created XML Comment

## MountDriveTasksAsync()

Mounts the drive tasks asynchronous.

Declaration

<code>public static async Task MountDriveTasksAsync()</code>
--

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task	System.Threading.Tasks.Task.

Remarks

### History:

DESCRIPTION
Created XML Comment

## RefreshIconCache()

Refreshes the icon cache.

Declaration

<code>public static StringBuilder RefreshIconCache()</code>
---

Returns

TYPE	DESCRIPTION
System.Text.StringBuilder	System.Text.StringBuilder.

Remarks

### History:



DESCRIPTION
Created XML Comment

## RefreshIconCacheTasksAsync()

Refreshes the icon cache tasks asynchronous.

Declaration

```
public static async Task RefreshIconCacheTasksAsync()
```

Returns

TYPE	DESCRIPTION
System.Threading.Tasks.Task	System.Threading.Tasks.Task.

Remarks

## History:

DEVELOPER\DATE\TIME	DEVELOPER COMPANY	DEVELOPER PHONE	DEVELOPER EMAIL	DEVELOPER ON	DESCRIPTION
Developer: Danny C. McNaught  Date: Tuesday, May 26, 2020  Time: 21:39 PM	Computer Question	1-919-239- 3306	<a href="mailto:sfcsarge@outlook.com">mailto:sfcsarge@outlook.com</a>	SURFACE- PRO-LTE	Created XML Comment

# Class QueryUserNotificationState

Class QueryUserNotificationState

## Inheritance

System.Object

QueryUserNotificationState

## Inherited Members

System.Object.Equals(System.Object)

System.Object.Equals(System.Object, System.Object)

System.Object.GetHashCode()

System.Object.GetType()

System.Object.MemberwiseClone()

System.Object.ReferenceEquals(System.Object, System.Object)

System.Object.ToString()

Namespace: [StartDevDrive](#)

Assembly: StartDevDrive.dll

## Syntax

```
public static class QueryUserNotificationState
```

## Remarks

### History:

#### Code Changed by:

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#### Code changed on Visual Studio Host Machine:

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#### Code Changes:

Created XML Comment

## Methods

State()

States this instance.

## Declaration

```
public static QueryUserNotificationState.UserNotificationState State()
```

## Returns

TYPE	DESCRIPTION
<a href="#">QueryUserNotificationState.UserNotificationState</a>	UserNotificationState.

Remarks

History:

DESCRIPTION
Created XML Comment

# Enum QueryUserNotificationState.UserNotificationState

## User Notification State

Namespace: [StartDevDrive](#)

Assembly: StartDevDrive.dll

### Syntax

```
public enum UserNotificationState
```

### Remarks

### History:

**Code Changed by:**

Danny C. McNaught

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**Code Changes:**

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### Fields

NAME	DESCRIPTION
AcceptsNotifications	None of the other states are found, notifications can be freely sent.
Busy	A full-screen application is running or Presentation Settings are applied. Presentation Settings allow a user to put their machine into a state fit for an uninterrupted presentation, such as a set of PowerPoint slides, with a single click.
NotPresent	A screen saver is displayed, the machine is locked, or a nonactive Fast User Switching session is in progress.
PresentationMode	The user has activated Windows presentation settings to block notifications and pop-up messages.
QuietTime	Introduced in Windows 7. The current user is in "quiet time", which is the first hour after a new user logs into his or her account for the first time. During this time, most notifications should not be sent or shown. This lets a user become accustomed to a new computer system without those distractions. Quiet time also occurs for each user after an operating system upgrade or clean installation.

NAME	DESCRIPTION
RunningDirect3dFullScreen	A full-screen (exclusive mode) Direct3D application is running.