

# Namespace Rudeus

## Classes

### [Constants](#)

定数を定義するクラス

### [Utils](#)

ユーティリティクラス

## Interfaces

### [IUtils](#)

ユーティリティクラスのインターフェース

# Class Constants

Namespace: [Rudeus](#)

Assembly: SharedLib.dll

定数を定義するクラス

```
public class Constants
```

Inheritance

[object](#) ← Constants

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>\)](#) , [AssertEx.IsInstanceOf<TExpected>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#)

## Fields

### ApiCheckStatusPath

APIのパス

```
public static readonly string ApiCheckStatusPath
```

Field Value

[string](#)

### ApiEndpointWithCert

クライアント証明書認証が必要なAPIエンドポイント

```
public static readonly string ApiEndpointWithCert
```

Field Value

[string](#)

## ApiEndpointWithoutCert

クライアント証明書認証が不要なAPIエンドポイント

```
public static readonly string ApiEndpointWithoutCert
```

Field Value

[string](#)

## ApiLoginPath

```
public static readonly string ApiLoginPath
```

Field Value

[string](#)

## ApiRegisterPath

```
public static readonly string ApiRegisterPath
```

Field Value

[string](#)

## ApiSendInstalledAppsPath

```
public static readonly string ApiSendInstalledAppsPath
```

Field Value

[string](#)

## ApiUpdateMetadataPath

```
public static readonly string ApiUpdateMetadataPath
```

Field Value

[string](#)

## ApiUpdatePath

```
public static readonly string ApiUpdatePath
```

Field Value

[string](#)

## AppCallbackUri

カスタムURIスキームで起動する場合の設定

```
public static string AppCallbackUri
```

Field Value

[string](#)

## CallbackPort

SAMLログインのlocalhostコールバックポート

```
public static readonly string CallbackPort
```

Field Value

[string](#)

## DefaultRegistryKey

アプリのデフォルトのレジストリキー

```
public static string DefaultRegistryKey
```

Field Value

[string](#)

## DummyUpdateUrl

```
public static string DummyUpdateUrl
```

Field Value

[string](#)

## DummyVersion

```
public static string DummyVersion
```

Field Value

[string](#)

## ForceUpdateExitCode

アップデートの強制実行時にLauncherに返すエラーコード

```
public static int ForceUpdateExitCode
```

Field Value

[int](#)

## InnoSetupUserDataKey

Inno Setupで設定されたユーザ名とHIU-PXXのデータのキー

```
public static string InnoSetupUserDataKey
```

Field Value

[string](#)

## KyoumuUrl

教務Webシステムのタスクトレイリンク

```
public static readonly string KyoumuUrl
```

Field Value

[string](#)

## LaunchTwiceExitCode

未使用エラーコード

```
public static int LaunchTwiceExitCode
```

Field Value

[int](#)

## Polite3Url

Polite3のタスクトレーリング

```
public static readonly string Polite3Url
```

Field Value

[string](#)

## RegistryDir

アプリのルートレジストリパス

```
public static string RegistryDir
```

Field Value

[string](#)

## RudeusBgDir

```
public static readonly string RudeusBgDir
```

Field Value

[string](#)

## RudeusBgExeName

```
public static readonly string RudeusBgExeName
```

Field Value

[string](#)

## RudeusBgFormDir

```
public static readonly string RudeusBgFormDir
```

Field Value

[string](#)

## RudeusBgFormExeName

```
public static readonly string RudeusBgFormExeName
```

Field Value

[string](#)

## RudeusBgFormLastName

```
public static readonly string RudeusBgFormLastName
```

Field Value

[string](#)

## RudeusBgFormLatestName

```
public static readonly string RudeusBgFormLatestName
```

Field Value

[string](#)

## RudeusBgFormLauncherExePath

```
public static readonly string RudeusBgFormLauncherExePath
```

Field Value

[string](#)

## RudeusBgFormRegKey

RudeusBgFormが使用するレジストリのキー

```
public static readonly string RudeusBgFormRegKey
```

Field Value

[string](#)

## RudeusBgLastName

```
public static readonly string RudeusBgLastName
```

Field Value

[string](#)

## RudeusBgLatestName

```
public static readonly string RudeusBgLatestName
```

Field Value

[string](#)

## RudeusBgLauncherExePath

```
public static readonly string RudeusBgLauncherExePath
```

Field Value

[string](#)

## RudeusBgRegKey

RudeusBgが使用するレジストリのキー

```
public static readonly string RudeusBgRegKey
```

Field Value

[string](#)

## SamlLoginUrl

SAMLログインのエントリーページ

```
public static readonly string SamlLoginUrl
```

Field Value

[string](#)

## WebPortalUrl

Webポータルのタスクトレイリンク

```
public static readonly string WebPortalUrl
```

Field Value

[string](#)

## disableClientCertAuth

クライアント認証を強制しない場合はtrue

```
public static readonly bool disableClientCertAuth
```

Field Value

[bool](#)

# Interface IUtils

Namespace: [Rudeus](#)

Assembly: SharedLib.dll

ユーティリティクラスのインターフェース

```
public interface IUtils
```

## Extension Methods

[AssertEx.IsInstanceOf<TExpected>\(object\)](#) , [AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#).

## Methods

### CompareVersionString(string, string, int)

ドット区切り数字列を比較する

```
public static abstract int CompareVersionString(string a, string b, int depth)
```

#### Parameters

a [string](#) ↗

対象文字列A

b [string](#) ↗

対象文字列B

depth [int](#) ↗

比較する列数 (0なら全て)

#### Returns

[int](#) ↗

A-Bの符号 (1, 0, -1)

## ConcatStudentNumberFromMail(string)

メールアドレスから学籍番号を抽出する

```
public static abstract string ConcatStudentNumberFromMail(string mailAddress)
```

Parameters

mailAddress [string](#)

sXXXXXXX@s.do-johodai.ac.jpのメールアドレス

Returns

[string](#)

XXXXXXXの数字部分

## CopyDirectory(string, string, bool)

ディレクトリを再帰的にコピーする

```
public static abstract void CopyDirectory(string sourceDir, string destDir, bool recursive)
```

Parameters

sourceDir [string](#)

destDir [string](#)

recursive [bool](#)

## IsArgsAllNullOrAllObject(List<object>)

DI用の引数が中途半端に指定されているかどうかを判定する

```
public static abstract bool IsArgsAllNullOrAllObject(List<object> args)
```

Parameters

args [List](#)<[object](#)>

Returns

[bool](#)

## IsStudentMailAddress(string)

メールアドレスが学生用のものかどうかを判定する

```
public static abstract bool IsStudentMailAddress(string mailAddress)
```

Parameters

mailAddress [string](#)

メールアドレス

Returns

[bool](#)

## ParseArgs(string[])

key=value形式の引数をパースする

```
public static abstract Dictionary<string, string> ParseArgs(string[] args)
```

Parameters

args [string](#)[]

Returns

[Dictionary](#) <[string](#), [string](#)>

## RegisterDeviceAndSetData()

廃止予定 デバイスを登録し、データを設定する

```
public static abstract void RegisterDeviceAndSetData()
```

# Class Utils

Namespace: [Rudeus](#)

Assembly: SharedLib.dll

ユーティリティクラス

```
public class Utils : IUtils
```

Inheritance

[object](#) ← Utils

Implements

[IUtils](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>\)](#) , [AssertEx.IsInstanceOf<TExpected>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#).

## Fields

### KyoumuUrl

```
public static readonly string KyoumuUrl
```

Field Value

[string](#)

## Polite3Url

```
public static readonly string Polite3Url
```

Field Value

[string](#)

## WebPortalUrl

```
public static readonly string WebPortalUrl
```

Field Value

[string](#)

## Properties

### LM

```
public static ILocalMachine LM { get; set; }
```

Property Value

[ILocalMachine](#)

## Methods

### CompareVersionString(string, string, int)

ドット区切り数字列を比較する

```
public static int CompareVersionString(string a, string b, int depth = 0)
```

## Parameters

a [string](#)

対象文字列A

b [string](#)

対象文字列B

depth [int](#)

比較する列数 (0なら全て)

## Returns

[int](#)

A-Bの符号 (1, 0, -1)

## ConcatStudentNumberFromMail(string)

s9999999@s.do-johodai.ac.jp -> 9999999

```
public static string ConcatStudentNumberFromMail(string mailAddress)
```

## Parameters

mailAddress [string](#)

## Returns

[string](#)

## Exceptions

[Exception](#)

## CopyDirectory(string, string, bool)

ディレクトリを再帰的にコピーする

```
public static void CopyDirectory(string sourceDir, string destinationDir, bool recursive)
```

Parameters

sourceDir [string](#)

destinationDir [string](#)

recursive [bool](#)

## IsArgsAllNullOrAllObject(List<object>)

DI用の引数が中途半端に指定されているかどうかを判定する

```
public static bool IsArgsAllNullOrAllObject(List<object> args)
```

Parameters

args [List](#)<[object](#)>

Returns

[bool](#)

## IsStudentMailAddress(string)

s9999999@s.do-johodai.ac.jp -> true

```
public static bool IsStudentMailAddress(string mailAddress)
```

Parameters

mailAddress [string](#)

Returns

[bool](#)

## ParseArgs(string[])

key=value形式の引数をパースする

```
public static Dictionary<string, string> ParseArgs(string[] args)
```

Parameters

args [string](#)[]

Returns

[Dictionary](#)<[string](#), [string](#)>

## RegisterDeviceAndSetData()

廃止予定 デバイスを登録し、データを設定する

```
public static void RegisterDeviceAndSetData()
```

# Namespace Rudeus.API

## Classes

### [RemoteAPI](#)

管理サーバとREST APIで通信する、モデルのプロパティを読み取るが書き込みはしない。TODO: インスタンス化してスタブ利用可にする

### [RequestClient](#)

## Interfaces

### [IRequestClient](#)

# Interface IRequestClient

Namespace: [Rudeus.API](#)

Assembly: SharedLib.dll

```
public interface IRequestClient
```

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.IsNotNull<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsNotNullInstanceOf<TExpected>\(object\)](#) ,  
[AssertEx.IsNotNullInstanceOf<TWrong>\(object\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#).

## Methods

### Request(HttpRequestMessage)

HttpResponseMessage **Request**(HttpRequestMessage message)

#### Parameters

message [HttpRequestMessage](#)

#### Returns

[HttpResponseMessage](#)

### RequestString(HttpRequestMessage)

string **RequestString**(HttpRequestMessage message)

#### Parameters

message [HttpRequestMessage](#)

Returns

[string](#)

# Class RemoteAPI

Namespace: [Rudeus.API](#)

Assembly: SharedLib.dll

管理サーバとREST APIで通信する、モデルのプロパティを読み取るが書き込みはしない。TODO: インスタンス化してスタブ利用可にする

```
public class RemoteAPI
```

## Inheritance

[object](#) ← RemoteAPI

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.Is<T>\(T, Expression<Func<T, bool>\)](#) , [AssertEx.Is<T>\(T, string\)](#) , [AssertEx.IsInstanceOf<T>\(object\)](#) , [AssertEx.IsNotNullInstanceOf<T>\(object\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) , [AssertEx.IsStructuralEqual\(object, object, string\)](#)

## Fields

### AppCallbackUri

```
public static string AppCallbackUri
```

#### Field Value

[string](#)

### SamILoginUrl

```
public static readonly string SamlLoginUrl
```

Field Value

[string](#)

## Properties

ApiCheckStatusPath

```
public static string ApiCheckStatusPath { get; }
```

Property Value

[string](#)

ApiLoginPath

```
public static string ApiLoginPath { get; }
```

Property Value

[string](#)

ApiRegisterPath

```
public static string ApiRegisterPath { get; }
```

Property Value

[string](#)

ApiSendInstalledAppsPath

```
public static string ApiSendInstalledAppsPath { get; }
```

Property Value

[string](#)

## ApiUpdateMetadataPath

```
public static string ApiUpdateMetadataPath { get; }
```

Property Value

[string](#)

## ApiUpdatePath

```
public static string ApiUpdatePath { get; }
```

Property Value

[string](#)

## RequestClient

```
public static IRequestClient RequestClient { get; set; }
```

Property Value

[IRequestClient](#)

## Methods

### BuildHttpRequestMessage(string?, string, string, HttpMethod)

```
public static HttpRequestMessage BuildHttpRequestMessage(string? accessToken, string requestPath, string payload, HttpMethod method)
```

## Parameters

accessToken [string](#)

requestPath [string](#)

payload [string](#)

method [HttpMethod](#)

## Returns

[HttpRequestMessage](#)

## GetUpdateMetadata(string)

```
public static UpdateMetadataResponse GetUpdateMetadata(string accessToken)
```

## Parameters

accessToken [string](#)

## Returns

[UpdateMetadataResponse](#)

## IsAccessTokenAvailable(string)

```
public static bool IsAccessTokenAvailable(string accessToken)
```

## Parameters

accessToken [string](#)

Returns

[bool](#)

## IsRemoteReachable()

```
public static bool IsRemoteReachable()
```

Returns

[bool](#)

## LoginDevice(string, string)

```
public static LoginResponse LoginDevice(string accessToken, string userId)
```

Parameters

[accessToken](#) [string](#)

[userId](#) [string](#)

Returns

[LoginResponse](#)

## ReceiveStudentIdAsync()

ログインして紐づけを行ったUserIdを取得 localhostを使うのでWindowsのみ対応している

```
public static Task<string> ReceiveStudentIdAsync()
```

Returns

[Task](#) <[string](#)>

## RegisterDevice(string, string)

デバイスを登録する accesstokenを取得する

```
public static RegisterResponse RegisterDevice(string deviceId, string hostname)
```

Parameters

deviceId [string](#)

hostname [string](#)

Returns

[RegisterResponse](#)

RegisterResponse

## SendInstalledApps(string, List<ApplicationData>)

```
public static BaseResponse SendInstalledApps(string accessToken, List<ApplicationData> apps)
```

Parameters

accessToken [string](#)

apps [List](#)<ApplicationData>

Returns

[BaseResponse](#)

## UpdateDevice(string, UpdateRequest)

```
public static UpdateResponse UpdateDevice(string accessToken, UpdateRequest req)
```

Parameters

accessToken [string](#)

req [UpdateRequest](#)

Returns

[UpdateResponse](#)

**UpdateDevice(string, string?, string?, string?, string?, string?, string?, string?, string?, string?)**

デバイスIDとアクセストークンを利用してデバイス情報を更新する

```
public static UpdateResponse UpdateDevice(string accessToken, string? hostname = null, string? spec = null, string? cpu_name = null, string? memory = null, string? c_drive = null, string? os = null, string? os_version = null, string? withsecure = null, string? label_id = null)
```

Parameters

accessToken [string](#)

hostname [string](#)

spec [string](#)

cpu\_name [string](#)

memory [string](#)

c\_drive [string](#)

os [string](#)

os\_version [string](#)

withsecure [string](#)

label\_id [string](#)

Returns

## UpdateResponse

# Class RequestClient

Namespace: [Rudeus.API](#)

Assembly: SharedLib.dll

```
public class RequestClient : IRequestClient
```

## Inheritance

[object](#) ← RequestClient

## Implements

[IRequestClient](#)

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.Is<T>\(T, Expression<Func<T, bool>\)](#) , [AssertEx.IsInstanceOf<T>\(object\)](#) , [AssertEx.IsNotNullInstanceOf<T>\(object\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object\)](#) , [AssertEx.IsStructuralEqual\(object, object\)](#) .

# Constructors

## RequestClient(string)

```
public RequestClient(string endpoint)
```

## Parameters

endpoint [string](#)

# Methods

## Request([HttpRequestMessage](#))

```
public HttpResponseMessage Request(HttpRequestMessage message)
```

Parameters

message [HttpRequestMessage](#)

Returns

[HttpResponseMessage](#)

## RequestString([HttpRequestMessage](#))

```
public string RequestString(HttpRequestMessage message)
```

Parameters

message [HttpRequestMessage](#)

Returns

[string](#)

# Namespace Rudeus.API.Request

## Classes

[BaseRequest](#)

[BaseRequestData](#)

[EmptyRequest](#)

[EmptyRequestData](#)

[LoginRequest](#)

[LoginRequestData](#)

[RegisterRequest](#)

[RegisterRequestData](#)

[SendInstalledAppsAppData](#)

[SendInstalledAppsRequest](#)

[SendInstalledAppsrequestData](#)

[UpdateRequest](#)

[UpdateRequestData](#)

## Interfaces

[IRequest](#)

# Class BaseRequest

Namespace: [Rudeus.API.Request](#)

Assembly: SharedLib.dll

```
public class BaseRequest : IRequest
```

## Inheritance

[object](#) ← BaseRequest

## Implements

[IRequest](#)

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.Is<T>\(T, Expression<Func<T, bool>\)](#) , [AssertEx.IsInstanceOf<T>\(object\)](#) , [AssertEx.IsNotNullInstanceOf<T>\(object\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object\)](#) , [AssertEx.IsStructuralEqual\(object, object\)](#)

# Properties

## request\_data

```
[JsonPropertyName("request_data")]
public BaseRequestData? request_data { get; set; }
```

## Property Value

[BaseRequestData](#)

## type

```
[JsonPropertyName("type")]
public string? type { get; set; }
```

Property Value

[string](#) ↗

# Class BaserequestData

Namespace: [Rudeus.API.Request](#)

Assembly: SharedLib.dll

```
public class BaserequestData
```

## Inheritance

[object](#) ← BaserequestData

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<T>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<T>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#)

# Class EmptyRequest

Namespace: [Rudeus.API.Request](#)

Assembly: SharedLib.dll

```
public class EmptyRequest : IRequest
```

## Inheritance

[object](#) ← EmptyRequest

## Implements

[IRequest](#)

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.Is<T>\(T, Expression<Func<T, bool>\)](#) , [AssertEx.IsInstanceOf<T>\(object\)](#) , [AssertEx.IsNotNullInstanceOf<T>\(object\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object\)](#) , [AssertEx.IsStructuralEqual\(object, object\)](#) , [AssertEx.IsStructuralEqual\(object, object, string\)](#)

## Constructors

### EmptyRequest()

```
public EmptyRequest()
```

## Properties

request\_data

```
[JsonPropertyName("request_data")]
public EmptyrequestData request_data { get; set; }
```

Property Value

[EmptyrequestData](#)

type

```
[JsonPropertyName("type")]
public string type { get; }
```

Property Value

[string](#) ↗

# Class EmptyrequestData

Namespace: [Rudeus.API.Request](#)

Assembly: SharedLib.dll

```
public class EmptyrequestData
```

## Inheritance

[object](#) ← EmptyrequestData

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<T>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<T>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#)

# Constructors

## EmptyrequestData()

```
public EmptyrequestData()
```

# Interface IRequest

Namespace: [Rudeus.API.Request](#)

Assembly: SharedLib.dll

```
public interface IRequest
```

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.IsNotNull<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsNotNullInstanceOf<T>\(object\)](#) ,  
[AssertEx.IsNotNullInstanceOf<T>\(object\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#).

## Properties

type

```
string? type { get; }
```

Property Value

[string](#)

# Class LoginRequest

Namespace: [Rudeus.API.Request](#)

Assembly: SharedLib.dll

```
public class LoginRequest : IRequest
```

## Inheritance

[object](#) ← LoginRequest

## Implements

[IRequest](#)

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.Is<T>\(T, Expression<Func<T, bool>\)](#) , [AssertEx.IsInstanceOf<T>\(object\)](#) , [AssertEx.IsNotNullInstanceOf<T>\(object\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object\)](#) , [AssertEx.IsStructuralEqual\(object, object\)](#)

# Constructors

## LoginRequest(string)

```
public LoginRequest(string username)
```

## Parameters

username [string](#)

# Properties

## request\_data

```
[JsonPropertyName("request_data")]
public LoginRequestData request_data { get; set; }
```

### Property Value

[LoginRequestData](#)

## type

```
[JsonPropertyName("type")]
public string type { get; set; }
```

### Property Value

[string](#) ↗

# Class LoginRequestData

Namespace: [Rudeus.API.Request](#)

Assembly: SharedLib.dll

```
public class LoginRequestData
```

## Inheritance

[object](#) ← LoginRequestData

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<T>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<T>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#)

# Constructors

## LoginRequestData(string)

```
public LoginRequestData(string userId)
```

## Parameters

userId [string](#)

# Properties

## user\_id

```
[JsonPropertyName("user_id")]
public string user_id { get; set; }
```

Property Value

string ↗

# Class RegisterRequest

Namespace: [Rudeus.API.Request](#)

Assembly: SharedLib.dll

```
public class RegisterRequest : IRequest
```

## Inheritance

[object](#) ← RegisterRequest

## Implements

[IRequest](#)

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.Is<T>\(T, Expression<Func<T, bool>\)](#) , [AssertEx.Is<T>\(T, string\)](#) , [AssertEx.IsInstanceOf<T>\(object\)](#) , [AssertEx.IsNotNullInstanceOf<T>\(object\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) , [AssertEx.IsStructuralEqual\(object, object, string\)](#)

# Constructors

## RegisterRequest(string, string, string)

```
public RegisterRequest(string deviceId, string hostname, string manageId)
```

## Parameters

deviceId [string](#)

hostname [string](#)

manageId [string](#)

# Properties

## request\_data

```
[JsonPropertyName("request_data")]
public RegisterrequestData request_data { get; set; }
```

## Property Value

[RegisterrequestData](#)

## type

```
[JsonPropertyName("type")]
public string type { get; set; }
```

## Property Value

[string](#) ↗

# Class RegisterrequestData

Namespace: [Rudeus.API.Request](#)

Assembly: SharedLib.dll

```
public class RegisterrequestData
```

## Inheritance

[object](#) ← RegisterrequestData

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<T>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<T>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#)

## Constructors

### RegisterrequestData(string, string, string)

```
public RegisterrequestData(string deviceId, string hostname, string manageId)
```

## Parameters

deviceId [string](#)

hostname [string](#)

manageId [string](#)

## Properties

## device\_id

```
[JsonPropertyName("device_id")]
public string? device_id { get; set; }
```

### Property Value

[string](#) ↗

## hostname

```
[JsonPropertyName("hostname")]
public string? hostname { get; set; }
```

### Property Value

[string](#) ↗

## manage\_id

```
[JsonPropertyName("manage_id")]
public string? manage_id { get; set; }
```

### Property Value

[string](#) ↗

## product\_name

```
[JsonPropertyName("product_name")]
public string? product_name { get; set; }
```

### Property Value

[string](#) ↗



# Class SendInstalledAppsAppData

Namespace: [Rudeus.API.Request](#)

Assembly: SharedLib.dll

```
public class SendInstalledAppsAppData
```

## Inheritance

[object](#) ← SendInstalledAppsAppData

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<T>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<T>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#)

## Constructors

### SendInstalledAppsAppData(string, string)

```
public SendInstalledAppsAppData(string name, string version)
```

## Parameters

name [string](#)

version [string](#)

## Properties

## name

```
[JsonPropertyName("name")]
public string name { get; set; }
```

### Property Value

[string](#) ↗

## version

```
[JsonPropertyName("version")]
public string version { get; set; }
```

### Property Value

[string](#) ↗

# Class SendInstalledAppsRequest

Namespace: [Rudeus.API.Request](#)

Assembly: SharedLib.dll

```
public class SendInstalledAppsRequest : IRequest
```

## Inheritance

[object](#) ← SendInstalledAppsRequest

## Implements

[IRequest](#)

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.Is<T>\(T, Expression<Func<T, bool>\)](#) , [AssertEx.IsInstanceOf<T>\(object\)](#) , [AssertEx.IsNotNullInstanceOf<T>\(object\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object\)](#) , [AssertEx.IsStructuralEqual\(object, object\)](#)

## Constructors

### SendInstalledAppsRequest(List<ApplicationData>)

```
public SendInstalledAppsRequest(List<ApplicationData> apps)
```

## Parameters

apps [List](#)<ApplicationData>

## Properties

## request\_data

```
[JsonPropertyName("request_data")]
public SendInstalledAppsrequestData request_data { get; set; }
```

### Property Value

[SendInstalledAppsrequestData](#)

## type

```
[JsonPropertyName("type")]
public string type { get; set; }
```

### Property Value

[string](#) ↗

# Class SendInstalledAppsrequestData

Namespace: [Rudeus.API.Request](#)

Assembly: SharedLib.dll

```
public class SendInstalledAppsrequestData
```

## Inheritance

[object](#) ← SendInstalledAppsrequestData

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<T>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<T>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#)

## Constructors

SendInstalledAppsrequestData(List<ApplicationData>)

```
public SendInstalledAppsrequestData(List<ApplicationData> apps)
```

## Parameters

apps [List](#) <ApplicationData>

## Properties

apps

```
[JsonPropertyName("apps")]
public List<SendInstalledAppsAppData> apps { get; set; }
```

Property Value

[List](#) <[SendInstalledAppsAppData](#)>

# Class UpdateRequest

Namespace: [Rudeus.API.Request](#)

Assembly: SharedLib.dll

```
public class UpdateRequest : IRequest
```

## Inheritance

[object](#) ← UpdateRequest

## Implements

[IRequest](#)

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.Is<T>\(T, Expression<Func<T, bool>\)](#) , [AssertEx.Is<T>\(T, string\)](#) , [AssertEx.IsInstanceOf<T>\(object\)](#) , [AssertEx.IsNotNullInstanceOf<T>\(object\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) , [AssertEx.IsStructuralEqual\(object, object, string\)](#)

# Constructors

## UpdateRequest()

```
public UpdateRequest()
```

## UpdateRequest(UpdateRequestData)

```
public UpdateRequest(UpdateRequestData data)
```

## Parameters

data [UpdateRequestData](#)

## UpdateRequest(string?)

```
public UpdateRequest(string? hostname = null)
```

### Parameters

hostname [string](#) ↗

## Properties

### request\_data

```
[JsonPropertyName("request_data")]
public UpdateRequestData request_data { get; set; }
```

### Property Value

[UpdateRequestData](#)

### type

```
[JsonPropertyName("type")]
public string type { get; set; }
```

### Property Value

[string](#) ↗

# Class UpdaterequestData

Namespace: [Rudeus.API.Request](#)

Assembly: SharedLib.dll

```
public class UpdaterequestData
```

## Inheritance

[object](#) ← UpdaterequestData

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<T>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<T>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#)

## Constructors

### UpdaterequestData()

```
public UpdaterequestData()
```

### UpdaterequestData(string?)

```
public UpdaterequestData(string? hostname)
```

## Parameters

hostname [string](#)

# Properties

## c\_drive

```
[JsonPropertyName("c_drive")]
[JsonIgnore(Condition = JsonIgnoreCondition.WhenWritingNull)]
public string? c_drive { get; set; }
```

### Property Value

[string](#) ↗

## cpu\_name

```
[JsonPropertyName("cpu_name")]
[JsonIgnore(Condition = JsonIgnoreCondition.WhenWritingNull)]
public string? cpu_name { get; set; }
```

### Property Value

[string](#) ↗

## hostname

```
[JsonPropertyName("hostname")]
[JsonIgnore(Condition = JsonIgnoreCondition.WhenWritingNull)]
public string? hostname { get; set; }
```

### Property Value

[string](#) ↗

## label\_id

```
[JsonPropertyName("label_id")]
[JsonIgnore(Condition = JsonIgnoreCondition.WhenWritingNull)]
```

```
public string? label_id { get; set; }
```

Property Value

[string](#) ↗

memory

```
[JsonPropertyName("memory")]
[JsonIgnore(Condition = JsonIgnoreCondition.WhenWritingNull)]
public string? memory { get; set; }
```

Property Value

[string](#) ↗

OS

```
[JsonPropertyName("os")]
[JsonIgnore(Condition = JsonIgnoreCondition.WhenWritingNull)]
public string? os { get; set; }
```

Property Value

[string](#) ↗

os\_version

```
[JsonPropertyName("os_version")]
[JsonIgnore(Condition = JsonIgnoreCondition.WhenWritingNull)]
public string? os_version { get; set; }
```

Property Value

[string](#) ↗

## spec

```
[JsonPropertyName("spec")]
[JsonIgnore(Condition = JsonIgnoreCondition.WhenWritingNull)]
public string? spec { get; set; }
```

Property Value

[string](#) ↗

## withsecure

```
[JsonPropertyName("withsecure")]
[JsonIgnore(Condition = JsonIgnoreCondition.WhenWritingNull)]
public string? withsecure { get; set; }
```

Property Value

[string](#) ↗

# Namespace Rudeus.API.Response

## Classes

[BaseResponse](#)

[LoginResponse](#)

[LoginResponseData](#)

[PushResponseData](#)

[RegisterResponse](#)

[RegisterResponseData](#)

[UpdateMetadataResponse](#)

[UpdateMetadataResponseData](#)

[UpdateResponse](#)

[UpdateResponseData](#)

# Class BaseResponse

Namespace: [Rudeus.API.Response](#)

Assembly: SharedLib.dll

```
public class BaseResponse
```

## Inheritance

[object](#) ← BaseResponse

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<T>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<T>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#)

# Constructors

## BaseResponse()

```
public BaseResponse()
```

# Properties

## response\_data

```
[JsonPropertyName("response_data")]
public BaseResponse? response_data { get; set; }
```

Property Value

[BaseResponse](#)

status

```
[JsonPropertyName("status")]
public string status { get; set; }
```

Property Value

[string](#) ↗

# Class LoginResponse

Namespace: [Rudeus.API.Response](#)

Assembly: SharedLib.dll

```
public class LoginResponse
```

## Inheritance

[object](#) ← LoginResponse

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<T>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<T>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#)

# Properties

## response\_data

```
[JsonPropertyName("response_data")]
public LoginResponseData response_data { get; set; }
```

## Property Value

[LoginResponseData](#)

## status

```
[JsonPropertyName("status")]
public string status { get; set; }
```

Property Value

string ↗

# Class LoginResponseData

Namespace: [Rudeus.API.Response](#)

Assembly: SharedLib.dll

```
public class LoginResponseData
```

## Inheritance

[object](#) ← LoginResponseData

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<T>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<T>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#)

# Properties

## username

```
[JsonPropertyName("username")]
public string? username { get; set; }
```

## Property Value

[string](#)

# Class PushResponseData

Namespace: [Rudeus.API.Response](#)

Assembly: SharedLib.dll

```
public class PushResponseData
```

## Inheritance

[object](#) ← PushResponseData

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<T>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<T>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#)

# Properties

## id

```
[JsonPropertyName("id")]
public string? id { get; set; }
```

## Property Value

[string](#)

## payload

```
[JsonPropertyName("payload")]
public string? payload { get; set; }
```

Property Value

[string](#) ↗

type

```
[JsonPropertyName("type")]
public string? type { get; set; }
```

Property Value

[string](#) ↗

# Class RegisterResponse

Namespace: [Rudeus.API.Response](#)

Assembly: SharedLib.dll

```
public class RegisterResponse
```

## Inheritance

[object](#) ← RegisterResponse

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<T>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<T>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#)

# Properties

## response\_data

```
[JsonPropertyName("response_data")]
public RegisterResponseData response_data { get; set; }
```

## Property Value

[RegisterResponseData](#)

## status

```
[JsonPropertyName("status")]
public string status { get; set; }
```

Property Value

[string](#) ↗

# Class RegisterResponseData

Namespace: [Rudeus.API.Response](#)

Assembly: SharedLib.dll

```
public class RegisterResponseData
```

## Inheritance

[object](#) ← RegisterResponseData

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<T>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<T>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#)

# Properties

## access\_token

```
[JsonPropertyName("access_token")]
public string? access_token { get; set; }
```

## Property Value

[string](#)

# Class UpdateMetadataResponse

Namespace: [Rudeus.API.Response](#)

Assembly: SharedLib.dll

```
public class UpdateMetadataResponse
```

## Inheritance

[object](#) ← UpdateMetadataResponse

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<T>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<T>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#)

## Constructors

### UpdateMetadataResponse()

```
public UpdateMetadataResponse()
```

### UpdateMetadataResponse(string, string)

```
public UpdateMetadataResponse(string latestVersion, string url)
```

## Parameters

latestVersion [string](#)

url [string](#)

## Properties

### request\_data

```
[JsonPropertyName("request_data")]
public UpdateMetadataresponseData request_data { get; set; }
```

#### Property Value

[UpdateMetadataresponseData](#)

### status

```
[JsonPropertyName("status")]
public string status { get; set; }
```

#### Property Value

[string](#)

# Class UpdateMetadataresponseData

Namespace: [Rudeus.API.Response](#)

Assembly: SharedLib.dll

```
public class UpdateMetadataresponseData
```

## Inheritance

[object](#) ← UpdateMetadataresponseData

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<T>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<T>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#)

## Constructors

### UpdateMetadataresponseData()

```
public UpdateMetadataresponseData()
```

### UpdateMetadataresponseData(string, string)

```
public UpdateMetadataresponseData(string stable_version, string stable_zip_url)
```

## Parameters

stable\_version [string](#)

`stable_zip_url` [string](#)

## Properties

### stable\_version

```
[JsonPropertyName("stable_version")]
public string stable_version { get; set; }
```

Property Value

[string](#)

### stable\_zip\_url

```
[JsonPropertyName("stable_zip_url")]
public string stable_zip_url { get; set; }
```

Property Value

[string](#)

# Class UpdateResponse

Namespace: [Rudeus.API.Response](#)

Assembly: SharedLib.dll

```
public class UpdateResponse
```

## Inheritance

[object](#) ← UpdateResponse

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<T>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<T>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#)

# Properties

## push\_data

```
[JsonPropertyName("push_data")]
public PushResponseData[] push_data { get; set; }
```

## Property Value

[PushResponseData\[\]](#)

## response\_data

```
[JsonPropertyName("response_data")]
public UpdateResponseData response_data { get; set; }
```

Property Value

[UpdateResponseData](#)

status

```
[JsonPropertyName("status")]
public string status { get; set; }
```

Property Value

[string](#) ↗

# Class UpdateResponseData

Namespace: [Rudeus.API.Response](#)

Assembly: SharedLib.dll

```
public class UpdateresponseData
```

## Inheritance

[object](#) ← UpdateresponseData

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<T>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<T>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#)

# Properties

## username

```
[JsonPropertyName("username")]
public string? username { get; set; }
```

## Property Value

[string](#)

# Namespace Rudeus.Application

## Classes

[TaskTrayForm](#)

# Class TaskTrayForm

Namespace: [Rudeus.Application](#)

Assembly: Application.dll

```
public class TaskTrayForm : Form, IDropTarget, ISynchronizeInvoke, IWin32Window,  
IBindableComponent, IComponent, IDisposable, IContainerControl
```

## Inheritance

```
object ↳ ← MarshalByRefObject ↳ ← Component ↳ ← Control ↳ ← ScrollableControl ↳ ←  
ContainerControl ↳ ← Form ↳ ← TaskTrayForm
```

## Implements

```
IDropTarget ↳ , ISynchronizeInvoke ↳ , IWin32Window ↳ , IBindableComponent ↳ , IComponent ↳ ,  
IDisposable ↳ , IContainerControl ↳
```

## Inherited Members

```
Form.SetVisibleCore(bool) ↳ , Form.Activate() ↳ , Form.ActivateMdiChild(Form) ↳ ,  
Form.AddOwnedForm(Form) ↳ , Form.AdjustFormScrollbars(bool) ↳ , Form.Close() ↳ ,  
Form.CreateAccessibilityInstance() ↳ , Form.CreateControlsInstance() ↳ , Form.CreateHandle() ↳ ,  
Form.DefWndProc(ref Message) ↳ , Form.ProcessMnemonic(char) ↳ , Form.CenterToParent() ↳ ,  
Form.CenterToScreen() ↳ , Form.LayoutMdi(MdiLayout) ↳ , Form.OnActivated(EventArgs) ↳ ,  
Form.OnBackgroundImageChanged(EventArgs) ↳ ,  
Form.OnBackgroundImageLayoutChanged(EventArgs) ↳ , Form.OnClosing(CancelEventArgs) ↳ ,  
Form.OnClosed(EventArgs) ↳ , Form.OnFormClosing(FormClosingEventArgs) ↳ ,  
Form.OnFormClosed(FormClosedEventArgs) ↳ , Form.OnCreateControl() ↳ ,  
Form.OnDeactivate(EventArgs) ↳ , Form.OnEnabledChanged(EventArgs) ↳ , Form.OnEnter(EventArgs) ↳ ,  
Form.OnFontChanged(EventArgs) ↳ , Form.OnGotFocus(EventArgs) ↳ ,  
Form.OnHandleCreated(EventArgs) ↳ , Form.OnHandleDestroyed(EventArgs) ↳ ,  
Form.OnHelpButtonClicked(CancelEventArgs) ↳ , Form.OnLayout(LayoutEventArgs) ↳ ,  
Form.OnLoad(EventArgs) ↳ , Form.OnMaximizedBoundsChanged(EventArgs) ↳ ,  
Form.OnMaximumSizeChanged(EventArgs) ↳ , Form.OnMinimumSizeChanged(EventArgs) ↳ ,  
Form.OnInputLanguageChanged(InputLanguageChangedEventArgs) ↳ ,  
Form.OnInputLanguageChanging(InputLanguageChangingEventArgs) ↳ ,  
Form.OnVisibleChanged(EventArgs) ↳ , Form.OnMdiChildActivate(EventArgs) ↳ ,  
Form.OnMenuStart(EventArgs) ↳ , Form.OnMenuComplete(EventArgs) ↳ ,  
Form.OnPaint(PaintEventArgs) ↳ , Form.OnResize(EventArgs) ↳ ,  
Form.OnDpiChanged(DpiChangedEventArgs) ↳ , Form.OnGetDpiScaledSize(int, int, ref Size) ↳ ,  
Form.OnRightToLeftLayoutChanged(EventArgs) ↳ , Form.OnShown(EventArgs) ↳ ,
```

[Form.OnTextChanged\(EventArgs\)](#) , [Form.ProcessCmdKey\(ref Message, Keys\)](#) ,  
[Form.ProcessDialogKey\(Keys\)](#) , [Form.ProcessDialogChar\(char\)](#) ,  
[Form.ProcessKeyPreview\(ref Message\)](#) , [Form.ProcessTabKey\(bool\)](#) ,  
[Form.RemoveOwnedForm\(Form\)](#) , [Form.Select\(bool, bool\)](#) ,  
[Form.ScaleMinAxisSize\(float, float, bool\)](#) , [Form.GetScaledBounds\(Rectangle, SizeF, BoundsSpecified\)](#) ,  
[Form.ScaleControl\(SizeF, BoundsSpecified\)](#) , [Form.SetBoundsCore\(int, int, int, int, BoundsSpecified\)](#) ,  
[Form.SetClientSizeCore\(int, int\)](#) , [Form.SetDesktopBounds\(int, int, int, int\)](#) ,  
[Form.SetDesktopLocation\(int, int\)](#) , [Form.Show\(IWin32Window\)](#) , [Form.ShowDialog\(\)](#) ,  
[Form.ShowDialog\(IWin32Window\)](#) , [Form.ToString\(\)](#) , [Form.UpdateDefaultButton\(\)](#) ,  
[Form.OnResizeBegin\(EventArgs\)](#) , [Form.OnResizeEnd\(EventArgs\)](#) ,  
[Form.OnStyleChanged\(EventArgs\)](#) , [Form.ValidateChildren\(\)](#) ,  
[Form.ValidateChildren\(ValidationConstraints\)](#) , [Form.WndProc\(ref Message\)](#) , [Form.AcceptButton](#) ,  
[Form.ActiveForm](#) , [Form.ActiveMdiChild](#) , [Form.AllowTransparency](#) , [Form.AutoScroll](#) ,  
[Form.AutoSize](#) , [Form.AutoSizeMode](#) , [Form.AutoValidate](#) , [Form.BackColor](#) ,  
[Form.FormBorderStyle](#) , [Form.CancelButton](#) , [Form.ClientSize](#) , [Form.ControlBox](#) ,  
[Form.CreateParams](#) , [Form.DefaultImeMode](#) , [Form.DefaultSize](#) , [Form.DesktopBounds](#) ,  
[Form.DesktopLocation](#) , [Form.DialogResult](#) , [Form.HelpButton](#) , [Form.Icon](#) , [Form.IsMdiChild](#) ,  
[Form.IsMdiContainer](#) , [Form.IsRestrictedWindow](#) , [Form.KeyPreview](#) , [Form.Location](#) ,  
[Form.MaximizedBounds](#) , [Form.MaximumSize](#) , [Form.MainMenuStrip](#) , [Form.MinimumSize](#) ,  
[Form.MaximizeBox](#) , [Form.MdiChildren](#) , [Form.MdiChildrenMinimizedAnchorBottom](#) ,  
[Form.MdiParent](#) , [Form.MinimizeBox](#) , [Form.Modal](#) , [Form.Opacity](#) , [Form.OwnedForms](#) ,  
[Form.Owner](#) , [Form.RestoreBounds](#) , [Form.RightToLeftLayout](#) , [Form.ShowInTaskbar](#) ,  
[Form.ShowIcon](#) , [Form.ShowWithoutActivation](#) , [Form.Size](#) , [Form.SizeGripStyle](#) ,  
[Form.StartPosition](#) , [Form.Text](#) , [Form.TopLevel](#) , [Form.TopMost](#) , [Form.TransparencyKey](#) ,  
[Form.WindowState](#) , [Form.AutoSizeChanged](#) , [Form.AutoValidateChanged](#) ,  
[Form.HelpButtonClicked](#) , [Form.MaximizedBoundsChanged](#) , [Form.MaximumSizeChanged](#) ,  
[Form.MinimumSizeChanged](#) , [Form.Activated](#) , [Form.Deactivate](#) , [Form.FormClosing](#) ,  
[Form.FormClosed](#) , [Form.Load](#) , [Form.MdiChildActivate](#) , [Form.MenuComplete](#) ,  
[Form.MenuStart](#) , [Form.InputLanguageChanged](#) , [Form.InputLanguageChanging](#) ,  
[Form.RightToLeftLayoutChanged](#) , [Form.Shown](#) , [Form.DpiChanged](#) , [Form.ResizeBegin](#) ,  
[Form.ResizeEnd](#) , [ContainerControl.OnAutoValidateChanged\(EventArgs\)](#) ,  
[ContainerControl.OnMove\(EventArgs\)](#) , [ContainerControl.OnParentChanged\(EventArgs\)](#) ,  
[ContainerControl.PerformLayout\(\)](#) , [ContainerControl.RescaleConstantsForDpi\(int, int\)](#) ,  
[ContainerControl.Validate\(\)](#) , [ContainerControl.Validate\(bool\)](#) ,  
[ContainerControl.AutoScaleDimensions](#) , [ContainerControl.AutoScaleFactor](#) ,  
[ContainerControl.AutoScaleMode](#) , [ContainerControl.BindingContext](#) ,  
[ContainerControl.CanEnableIme](#) , [ContainerControl.ActiveControl](#) ,  
[ContainerControl.CurrentAutoSizeDimensions](#) , [ContainerControl.ParentForm](#) ,  
[ScrollableControl.ScrollStateAutoScrolling](#) , [ScrollableControl.ScrollStateHScrollVisible](#) ,  
[ScrollableControl.ScrollStateVScrollVisible](#) , [ScrollableControl.ScrollStateUserHasScrolled](#) ,

[ScrollableControl.ScrollStateFullDrag](#) , [ScrollableControl.GetScrollState\(int\)](#) ,  
[ScrollableControl.OnMouseWheel\(MouseEventArgs\)](#) ,  
[ScrollableControl.OnRightToLeftChanged\(EventArgs\)](#) ,  
[ScrollableControl.OnPaintBackground\(PaintEventArgs\)](#) ,  
[ScrollableControl.OnPaddingChanged\(EventArgs\)](#) , [ScrollableControl.SetDisplayRectLocation\(int, int\)](#) ,  
[ScrollableControl.ScrollControlIntoView\(Control\)](#) , [ScrollableControl.ScrollToControl\(Control\)](#) ,  
[ScrollableControl.OnScroll\(ScrollEventArgs\)](#) , [ScrollableControl.SetAutoScrollMargin\(int, int\)](#) ,  
[ScrollableControl.SetScrollState\(int, bool\)](#) , [ScrollableControl.AutoScrollMargin](#) ,  
[ScrollableControl.AutoScrollPosition](#) , [ScrollableControl.AutoScrollMinSize](#) ,  
[ScrollableControl.DisplayRectangle](#) , [ScrollableControl.HScroll](#) , [ScrollableControl.HorizontalScroll](#) ,  
[ScrollableControl.VScroll](#) , [ScrollableControl.VerticalScroll](#) , [ScrollableControl.Scroll](#) ,  
[Control.GetAccessibilityObjectById\(int\)](#) , [Control.SetAutoSizeMode\(AutoSizeMode\)](#) ,  
[Control.GetAutoSizeMode\(\)](#) , [Control.GetPreferredSize\(Size\)](#) ,  
[Control.AccessibilityNotifyClients\(AccessibleEvents, int\)](#) ,  
[Control.AccessibilityNotifyClients\(AccessibleEvents, int, int\)](#) , [Control.BeginInvoke\(Delegate\)](#) ,  
[Control.BeginInvoke\(Action\)](#) , [Control.BeginInvoke\(Delegate, params object\[\]\)](#) ,  
[Control.BringToFront\(\)](#) , [Control.Contains\(Control\)](#) , [Control.CreateGraphics\(\)](#) ,  
[Control.CreateControl\(\)](#) , [Control.DestroyHandle\(\)](#) , [Control.DoDragDrop\(object, DragDropEffects\)](#) ,  
[Control.DoDragDrop\(object, DragDropEffects, Bitmap, Point, bool\)](#) ,  
[Control.DrawToBitmap\(Bitmap, Rectangle\)](#) , [Control.EndInvoke\(IAsyncResult\)](#) , [Control.FindForm\(\)](#) ,  
[Control.GetTopLevel\(\)](#) , [Control.RaiseKeyEvent\(object, KeyEventArgs\)](#) ,  
[Control.RaiseMouseEvent\(object, MouseEventArgs\)](#) , [Control.Focus\(\)](#) ,  
[Control.FromChildHandle\(nint\)](#) , [Control.FromHandle\(nint\)](#) ,  
[Control.GetChildAtPoint\(Point, GetChildAtPointSkip\)](#) , [Control.GetChildAtPoint\(Point\)](#) ,  
[Control.GetContainerControl\(\)](#) , [Control.GetNextControl\(Control, bool\)](#) ,  
[Control.GetStyle\(ControlStyles\)](#) , [Control.Hide\(\)](#) , [Control.InitLayout\(\)](#) , [Control.Invalidate\(Region\)](#) ,  
[Control.Invalidate\(Region, bool\)](#) , [Control.Invalidate\(\)](#) , [Control.Invalidate\(bool\)](#) ,  
[Control.Invalidate\(Rectangle\)](#) , [Control.Invalidate\(Rectangle, bool\)](#) , [Control.Invoke\(Action\)](#) ,  
[Control.Invoke\(Delegate\)](#) , [Control.Invoke\(Delegate, params object\[\]\)](#) ,  
[Control.Invoke<T>\(Func<T>\)](#) , [Control.InvokePaint\(Control, PaintEventArgs\)](#) ,  
[Control.InvokePaintBackground\(Control, PaintEventArgs\)](#) , [Control.IsKeyLocked\(Keys\)](#) ,  
[Control.IsInputChar\(char\)](#) , [Control.IsInputKey\(Keys\)](#) , [Control.IsMnemonic\(char, string\)](#) ,  
[Control.LogicalToDeviceUnits\(int\)](#) , [Control.LogicalToDeviceUnits\(Size\)](#) ,  
[Control.ScaleBitmapLogicalToDevice\(ref Bitmap\)](#) , [Control.NotifyInvalidate\(Rectangle\)](#) ,  
[Control.InvokeOnClick\(Control, EventArgs\)](#) , [Control.OnAutoSizeChanged\(EventArgs\)](#) ,  
[Control.OnBackColorChanged\(EventArgs\)](#) , [Control.OnBindingContextChanged\(EventArgs\)](#) ,  
[Control.OnCausesValidationChanged\(EventArgs\)](#) , [Control.OnContextMenuStripChanged\(EventArgs\)](#) ,  
[Control.OnCursorChanged\(EventArgs\)](#) , [Control.OnDataContextChanged\(EventArgs\)](#) ,  
[Control.OnDockChanged\(EventArgs\)](#) , [Control.OnForeColorChanged\(EventArgs\)](#) ,  
[Control.OnNotifyMessage\(Message\)](#) , [Control.OnParentBackColorChanged\(EventArgs\)](#) ,

[Control.OnParentBackgroundImageChanged\(EventArgs\)](#) ,  
[Control.OnParentBindingContextChanged\(EventArgs\)](#) , [Control.OnParentCursorChanged\(EventArgs\)](#) ,  
[Control.OnParentDataContextChanged\(EventArgs\)](#) , [Control.OnParentEnabledChanged\(EventArgs\)](#) ,  
[Control.OnParentFontChanged\(EventArgs\)](#) , [Control.OnParentForeColorChanged\(EventArgs\)](#) ,  
[Control.OnParentRightToLeftChanged\(EventArgs\)](#) , [Control.OnParentVisibleChanged\(EventArgs\)](#) ,  
[Control.OnPrint\(PaintEventArgs\)](#) , [Control.OnTabIndexChanged\(EventArgs\)](#) ,  
[Control.OnTabStopChanged\(EventArgs\)](#) , [Control.OnClick\(EventArgs\)](#) ,  
[Control.OnClientSizeChanged\(EventArgs\)](#) , [Control.OnControlAdded\(ControlEventArgs\)](#) ,  
[Control.OnControlRemoved\(ControlEventArgs\)](#) , [Control.OnLocationChanged\(EventArgs\)](#) ,  
[Control.OnDoubleClick\(EventArgs\)](#) , [Control.OnDragEnter\(DragEventArgs\)](#) ,  
[Control.OnDragOver\(DragEventArgs\)](#) , [Control.OnDragLeave\(EventArgs\)](#) ,  
[Control.OnDragDrop\(DragEventArgs\)](#) , [Control.OnGiveFeedback\(GiveFeedbackEventArgs\)](#) ,  
[Control.InvokeGotFocus\(Control, EventArgs\)](#) , [Control.OnHelpRequested\(HelpEventArgs\)](#) ,  
[Control.OnInvalidate\(InvalidEventArgs\)](#) , [Control.OnKeyDown\(KeyEventEventArgs\)](#) ,  
[Control.OnKeyPress\(KeyEventEventArgs\)](#) , [Control.OnKeyUp\(KeyEventEventArgs\)](#) ,  
[Control.OnLeave\(EventArgs\)](#) , [Control.InvokeLostFocus\(Control, EventArgs\)](#) ,  
[Control.OnLostFocus\(EventArgs\)](#) , [Control.OnMarginChanged\(EventArgs\)](#) ,  
[Control.OnMouseDoubleClick\(MouseEventArgs\)](#) , [Control.OnMouseClick\(MouseEventArgs\)](#) ,  
[Control.OnMouseCaptureChanged\(EventArgs\)](#) , [Control.OnMouseDown\(MouseEventArgs\)](#) ,  
[Control.OnMouseEnter\(EventArgs\)](#) , [Control.OnMouseLeave\(EventArgs\)](#) ,  
[Control.OnDpiChangedBeforeParent\(EventArgs\)](#) , [Control.OnDpiChangedAfterParent\(EventArgs\)](#) ,  
[Control.OnMouseHover\(EventArgs\)](#) , [Control.OnMouseMove\(MouseEventArgs\)](#) ,  
[Control.OnMouseUp\(MouseEventArgs\)](#) ,  
[Control.OnQueryContinueDrag\(QueryContinueDragEventArgs\)](#) ,  
[Control.OnRegionChanged\(EventArgs\)](#) , [Control.OnPreviewKeyDown\(PreviewKeyDownEventArgs\)](#) ,  
[Control.OnSizeChanged\(EventArgs\)](#) , [Control.OnChangeUICues\(UICuesEventArgs\)](#) ,  
[Control.OnSystemColorsChanged\(EventArgs\)](#) , [Control.OnValidating\(CancelEventArgs\)](#) ,  
[Control.OnValidated\(EventArgs\)](#) , [Control.PerformLayout\(\)](#) , [Control.PerformLayout\(Control, string\)](#) ,  
[Control.PointToClient\(Point\)](#) , [Control.PointToScreen\(Point\)](#) ,  
[Control.PreProcessMessage\(ref Message\)](#) , [Control.PreProcessControlMessage\(ref Message\)](#) ,  
[Control.ProcessKeyEventArgs\(ref Message\)](#) , [Control.ProcessKeyMessage\(ref Message\)](#) ,  
[Control.RaiseDragEvent\(object, DragEventArgs\)](#) , [Control.RaisePaintEvent\(object, PaintEventArgs\)](#) ,  
[Control.RecreateHandle\(\)](#) , [Control.RectangleToClient\(Rectangle\)](#) ,  
[Control.RectangleToScreen\(Rectangle\)](#) , [Control.ReflectMessage\(nint, ref Message\)](#) ,  
[Control.Refresh\(\)](#) , [Control.ResetMouseEventArgs\(\)](#) , [Control.ResetText\(\)](#) , [Control.ResumeLayout\(\)](#) ,  
[Control.ResumeLayout\(bool\)](#) , [Control.Scale\(SizeF\)](#) , [Control.Select\(\)](#) ,  
[Control.SelectNextControl\(Control, bool, bool, bool, bool\)](#) , [Control.SendToBack\(\)](#) ,  
[Control.SetBounds\(int, int, int, int\)](#) , [Control.SetBounds\(int, int, int, int, BoundsSpecified\)](#) ,  
[Control.SizeFromClientSize\(Size\)](#) , [Control.SetStyle\(ControlStyles, bool\)](#) , [Control.SetTopLevel\(bool\)](#) ,  
[Control.RtlTranslateAlignment\(HorizontalAlignment\)](#) ,

[Control.RtlTranslateAlignment\(LeftRightAlignment\)](#) ,  
[Control.RtlTranslateAlignment\(ContentAlignment\)](#) ,  
[Control.RtlTranslateHorizontal\(HorizontalAlignment\)](#) ,  
[Control.RtlTranslateLeftRight\(LeftRightAlignment\)](#) , [Control.RtlTranslateContent\(ContentAlignment\)](#) ,  
[Control.Show\(\)](#) , [Control.SuspendLayout\(\)](#) , [Control.Update\(\)](#) , [Control.UpdateBounds\(\)](#) ,  
[Control.UpdateBounds\(int, int, int, int\)](#) , [Control.UpdateBounds\(int, int, int, int, int, int\)](#) ,  
[Control.UpdateZOrder\(\)](#) , [Control.UpdateStyles\(\)](#) , [Control.OnImeModeChanged\(EventArgs\)](#) ,  
[Control.AccessibilityObject](#) , [Control.AccessibleDefaultActionDescription](#) ,  
[Control.AccessibleDescription](#) , [Control.AccessibleName](#) , [Control.AccessibleRole](#) ,  
[Control.AllowDrop](#) , [Control.Anchor](#) , [Control.AutoScrollOffset](#) , [Control.LayoutEngine](#) ,  
[Control.DataContext](#) , [Control.BackgroundImage](#) , [Control.BackgroundImageLayout](#) ,  
[Control.Bottom](#) , [Control.Bounds](#) , [Control.CanFocus](#) , [Control.CanRaiseEvents](#) ,  
[Control.CanSelect](#) , [Control.Capture](#) , [Control.CausesValidation](#) ,  
[Control.CheckForIllegalCrossThreadCalls](#) , [Control.ClientRectangle](#) , [Control.CompanyName](#) ,  
[Control.ContainsFocus](#) , [Control.ContextMenuStrip](#) , [Control.Controls](#) , [Control.Created](#) ,  
[Control.Cursor](#) , [Control.DataBindings](#) , [Control.DefaultBackColor](#) , [Control.DefaultCursor](#) ,  
[Control.DefaultFont](#) , [Control.DefaultForeColor](#) , [Control.DefaultMargin](#) ,  
[Control.DefaultMaximumSize](#) , [Control.DefaultMinimumSize](#) , [Control.DefaultPadding](#) ,  
[Control.DeviceDpi](#) , [Control.IsDisposed](#) , [Control.Disposing](#) , [Control.Dock](#) ,  
[Control.DoubleBuffered](#) , [Control.Enabled](#) , [Control.Focused](#) , [Control.Font](#) , [Control.FontHeight](#) ,  
[Control.ForeColor](#) , [Control.Handle](#) , [Control.HasChildren](#) , [Control.Height](#) ,  
[Control.IsHandleCreated](#) , [Control.InvokeRequired](#) , [Control.Accessible](#) ,  
[Control.IsAncestorSiteInDesignMode](#) , [Control.IsMirrored](#) , [Control.Left](#) , [Control.Margin](#) ,  
[Control.ModifierKeys](#) , [Control.MouseButtons](#) , [Control.MousePosition](#) , [Control.Name](#) ,  
[Control.Parent](#) , [Control.ProductName](#) , [Control.ProductVersion](#) , [Control.RecreatingHandle](#) ,  
[Control.Region](#) , [Control.RenderRightToLeft](#) , [Control.ResizeRedraw](#) , [Control.Right](#) ,  
[Control.RightToLeft](#) , [Control.ScaleChildren](#) , [Control.Site](#) , [Control.TabIndex](#) , [Control.TabStop](#) ,  
[Control.Tag](#) , [Control.Top](#) , [Control.TopLevelControl](#) , [Control.ShowKeyboardCues](#) ,  
[Control.ShowFocusCues](#) , [Control.UseWaitCursor](#) , [Control.Visible](#) , [Control.Width](#) ,  
[Control.PreferredSize](#) , [Control.Padding](#) , [Control.ImeMode](#) , [Control.ImeModeBase](#) ,  
[Control.PropagatingImeMode](#) , [Control.BackColorChanged](#) , [Control.BackgroundImageChanged](#) ,  
[Control.BackgroundImageLayoutChanged](#) , [Control.BindingContextChanged](#) ,  
[Control.CausesValidationChanged](#) , [Control.ClientSizeChanged](#) ,  
[Control.ContextMenuStripChanged](#) , [Control.CursorChanged](#) , [Control.DockChanged](#) ,  
[Control.EnabledChanged](#) , [Control.FontChanged](#) , [Control.ForeColorChanged](#) ,  
[Control.LocationChanged](#) , [Control.MarginChanged](#) , [Control.RegionChanged](#) ,  
[Control.RightToLeftChanged](#) , [Control.SizeChanged](#) , [Control.TabIndexChanged](#) ,  
[Control.TabStopChanged](#) , [Control.TextChanged](#) , [Control.VisibleChanged](#) , [Control.Click](#) ,  
[Control.ControlAdded](#) , [Control.ControlRemoved](#) , [Control.DataContextChanged](#) ,  
[Control.DragDrop](#) , [Control.DragEnter](#) , [Control.DragOver](#) , [Control.DragLeave](#) ,

[Control.GiveFeedback](#) , [Control.HandleCreated](#) , [Control.HandleDestroyed](#) ,  
[Control.HelpRequested](#) , [Control.Invalidate](#) , [Control.PaddingChanged](#) , [Control.Paint](#) ,  
[Control.QueryContinueDrag](#) , [Control.QueryAccessibilityHelp](#) , [Control.DoubleClick](#) ,  
[Control.Enter](#) , [Control.GotFocus](#) , [Control.KeyDown](#) , [Control.KeyPress](#) , [Control.KeyUp](#) ,  
[Control.Layout](#) , [Control.Leave](#) , [Control.LostFocus](#) , [Control.MouseClick](#) ,  
[Control.MouseDoubleClick](#) , [Control.MouseCaptureChanged](#) , [Control.MouseDown](#) ,  
[Control.MouseEnter](#) , [Control.MouseLeave](#) , [Control.DpiChangedBeforeParent](#) ,  
[Control.DpiChangedAfterParent](#) , [Control.MouseHover](#) , [Control.MouseMove](#) , [Control.MouseUp](#) ,  
[Control.MouseWheel](#) , [Control.Move](#) , [Control.PreviewKeyDown](#) , [Control.Resize](#) ,  
[Control.ChangeUICues](#) , [Control.StyleChanged](#) , [Control.SystemColorsChanged](#) ,  
[Control.Validating](#) , [Control.Validated](#) , [Control.ParentChanged](#) , [Control.ImeModeChanged](#) ,  
[Component.Dispose\(\)](#) , [Component.GetService\(Type\)](#) , [Component.Container](#) ,  
[Component.DesignMode](#) , [Component.Events](#) , [Component.Dispose](#) ,  
[MarshalByRefObject.GetLifetimeService\(\)](#) , [MarshalByRefObject.InitializeLifetimeService\(\)](#) ,  
[MarshalByRefObject.MemberwiseClone\(bool\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) ,  
[object.ReferenceEquals\(object, object\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<TExpected>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#)

## Constructors

### TaskTrayForm()

```
public TaskTrayForm()
```

## Methods

### Dispose(bool)

Clean up any resources being used.

```
protected override void Dispose(bool disposing)
```

## Parameters

**disposing** [bool](#)

true if managed resources should be disposed; otherwise, false.

# Namespace Rudeus.Command

## Classes

[Worker](#)

## Interfaces

[IWorker](#)

# Interface IWorker

Namespace: [Rudeus.Command](#)

Assembly: Command.dll

```
public interface IWorker
```

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T,T\)](#) ,  
[AssertEx.IsNotNull<T>\(T,T\)](#) , [AssertEx.IsNotNull<T>\(T,T,IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T,T\)](#) , [AssertEx.IsNotNull<T>\(T,T\)](#) , [AssertEx.IsNotNull<T>\(T,T,IEqualityComparer<T>\)](#) ,  
[AssertEx.IsNotNull<T>\(T,Expression<Func<T,bool>>,string\)](#) , [AssertEx.IsNotNullInstanceOf<TExpected>\(object\)](#) ,  
[AssertEx.IsNotNullInstanceOf<TWrong>\(object\)](#) , [AssertEx.IsNotNullStructuralEqual\(object,object,string\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object,object,string\)](#).

## Properties

### AccessTokenValidator

```
IProcedure AccessTokenValidator { get; set; }
```

#### Property Value

[IProcedure](#)

### ScheduledRelularExecuter

```
IProcedure ScheduledRelularExecuter { get; set; }
```

#### Property Value

[IProcedure](#)

### UserLoginExecuter

```
IProcedure UserLoginExecuter { get; set; }
```

Property Value

[IProcedure](#)

# Class Worker

Namespace: [Rudeus.Command](#)

Assembly: Command.dll

```
public class Worker : BackgroundService, IHostedService, IDisposable, IWorker
```

## Inheritance

[object](#) ← [BackgroundService](#) ← Worker

## Implements

[IHostedService](#), [IDisposable](#), [IWorker](#)

## Inherited Members

[BackgroundService.StartAsync\(CancellationToken\)](#) ,  
[BackgroundService.StopAsync\(CancellationToken\)](#) , [BackgroundService.Dispose\(\)](#) ,  
[BackgroundService.ExecuteTask](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,  
[object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) ,  
[object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<T>\(object\)](#) ,  
[AssertEx.IsNotNullInstanceOf<T>\(object\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#)

# Constructors

Worker(ILogger<Worker>?, string[]?, IRootSettings?,  
IProcedure?, IProcedure?, IProcedure?)

```
public Worker(ILOGGER<Worker>? logger = null, string[]? args = null, IRootSettings? settings  
= null, IProcedure? accessTokenValidator = null, IProcedure? scheduledRegularExecuter =  
null, IProcedure? userLoginExecuter = null)
```

## Parameters

logger [ILogger](#)<Worker>

args [string](#)[]

settings [IRootSettings](#)

accessTokenValidator [IProcedure](#)

scheduledRegularExecuter [IProcedure](#)

userLoginExecuter [IProcedure](#)

## Properties

### AccessTokenValidator

```
public IProcedure AccessTokenValidator { get; set; }
```

### Property Value

[IProcedure](#)

### RootSettings

```
public IRootSettings RootSettings { get; set; }
```

### Property Value

[IRootSettings](#)

### ScheduledRelularExecuter

```
public IProcedure ScheduledRelularExecuter { get; set; }
```

Property Value

[IProcedure](#)

## UserLoginExecuter

```
public IProcedure UserLoginExecuter { get; set; }
```

Property Value

[IProcedure](#)

## Methods

### ExecuteAsync(CancellationToken)

This method is called when the [IHostedService](#) starts. The implementation should return a task that represents the lifetime of the long running operation(s) being performed.

```
protected override Task ExecuteAsync(CancellationToken stoppingToken)
```

Parameters

stoppingToken  [CancellationToken](#)

Triggered when [StopAsync\(CancellationToken\)](#) is called.

Returns

[Task](#)

A [Task](#) that represents the long running operations.

Remarks

See [Worker Services in .NET](#) for implementation guidelines.

## RunAsync()

```
public Task RunAsync()
```

Returns

[Task](#)

# Namespace Rudeus.Initializer

## Classes

[Program](#)

# Class Program

Namespace: [Rudeus.Initializer](#)

Assembly: Initializer.dll

```
public class Program
```

## Inheritance

[object](#) ← Program

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<T>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<T>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#)

# Properties

## CheckLogMessage

```
public static bool? CheckLogMessage { get; set; }
```

## Property Value

[bool](#)?

## \_certificateInstaller

```
public static IProcedure _certificateInstaller { get; set; }
```

Property Value

[IProcedure](#)

\_registryInitializer

```
public static IProcedure _registryInitializer { get; set; }
```

Property Value

[IProcedure](#)

\_serverRegister

```
public static IProcedure _serverRegister { get; set; }
```

Property Value

[IProcedure](#)

\_taskInitializer

```
public static IProcedure _taskInitializer { get; set; }
```

Property Value

[IProcedure](#)

## Methods

**Main(string[])**

```
public static void Main(string[] args)
```

Parameters

**args** [string](#)[]

**MainAsync(string[])**

```
public static Task MainAsync(string[] args)
```

Parameters

**args** [string](#)[]

Returns

[Task](#)

# Namespace Rudeus.Initializer.Procedure

## Classes

### [TaskInitializer](#)

タスクスケジューラーの初期化を行う手続き

# Class TaskInitializer

Namespace: [Rudeus.Initializer.Procedure](#)

Assembly: Initializer.dll

タスクスケジューラーの初期化を行う手続き

```
public class TaskInitializer : IProcedure
```

Inheritance

[object](#) ← TaskInitializer

Implements

[IProcedure](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<TExpected>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#).

## Methods

### Run()

処理を実行する

```
public Task Run()
```

Returns

[Task](#)

# Namespace Rudeus.Launcher

## Classes

[Program](#)

[Updater](#)

起動アプリのアップデートを行う手続き

# Class Program

Namespace: [Rudeus.Launcher](#)

Assembly: Launcher.dll

```
public class Program
```

## Inheritance

[object](#) ← Program

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<T>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<T>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#).

# Properties

## \_appSettings

```
public static IAppSettings _appSettings { get; set; }
```

## Property Value

[IAppSettings](#)

## \_argsStr

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

Property Value

[string](#) ↴

\_launcher

```
public static IExecuter _launcher { get; set; }
```

Property Value

[IExecuter](#)

\_updater

```
public static IProcedure _updater { get; set; }
```

Property Value

[IProcedure](#)

## Methods

Main(string[])

```
public static void Main(string[] args)
```

Parameters

args [string](#) ↴[]

MainAsync()

```
public static Task MainAsync()
```

## Returns

[Task ↗](#)

# Class Updater

Namespace: [Rudeus.Launcher](#)

Assembly: Launcher.dll

起動アプリのアップデートを行う手続き

```
public class Updater : IProcedure
```

Inheritance

[object](#) ← Updater

Implements

[IProcedure](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<TExpected>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#).

## Constructors

### Updater(IAppSettings?)

```
public Updater(IAppSettings? aps = null)
```

Parameters

aps [IAppSettings](#)

# Properties

## AppSettings

```
public IAppSettings AppSettings { get; set; }
```

Property Value

[IAppSettings](#)

# Methods

## Run()

処理を実行する

```
public Task Run()
```

Returns

[Task](#)

## ShouldUpdate(string, string)

```
public bool ShouldUpdate(string localVersion, string remoteVersion)
```

Parameters

localVersion [string](#)

remoteVersion [string](#)

Returns

[bool](#)

# Namespace Rudeus.Launcher.Procedure

## Classes

### [Executer](#)

アプリの起動を行う手続き

## Interfaces

### [IExecuter](#)

LauncherはExitCodeを返すべき手続きだったので作成

# Class Executer

Namespace: [Rudeus.Launcher.Procedure](#)

Assembly: Launcher.dll

アプリの起動を行う手続き

```
public class Executer : IExecuter, IProcedure
```

Inheritance

[object](#) ← Executer

Implements

[IExecuter](#), [IProcedure](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<TExpected>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#).

## Constructors

Executer(IAppSettings, string, Func<string, string, int>?)

```
public Executer(IAppSettings aps, string args = "", Func<string, string, int>? startProcess  
= null)
```

Parameters

aps [IAppSettings](#)

args [string](#)

startProcess [Func](#)<[string](#), [string](#), [int](#)>

## Properties

### AppSettings

`public IAppSettings AppSettings { get; set; }`

Property Value

[IAppSettings](#)

### Args

`public string Args { get; set; }`

Property Value

[string](#)

### ExitCode

`public int ExitCode { get; set; }`

Property Value

[int](#)

### StartProcess

`public Func<string, string, int> StartProcess { get; set; }`

## Property Value

[Func](#)<[string](#), [string](#), [int](#)>

## Methods

### Run()

処理を実行する

```
public Task Run()
```

### Returns

[Task](#)

# Interface IExecuter

Namespace: [Rudeus.Launcher.Procedure](#)

Assembly: Launcher.dll

LauncherはExitCodeを返すべき手続きだったので作成

```
public interface IExecuter : IProcedure
```

## Inherited Members

[IProcedure.Run\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.IsNotNull<T>\(T, Expression<Func<T, bool>\)](#) , [AssertEx.IsNotNull<T>\(T, string\)](#) , [AssertEx.IsNotNullOf<TExpected>\(object\)](#) ,  
[AssertEx.IsNotNullOf<TWrong>\(object\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#).

# Properties

## ExitCode

```
int ExitCode { get; set; }
```

## Property Value

[int](#) ↗

# Namespace Rudeus.Model

## Classes

### [ApplicationData](#)

取得したインストール済みアプリのデータを保持する構造体

### [InstalledApplications](#)

インストール済みアプリのデータを取得するモデル

### [LocalMachine](#)

ローカルマシンの情報を取得するモデル

## Interfaces

### [ILocalCertificate](#)

ローカルマシンの証明書を操作するモデルのインターフェース

### [ILocalMachine](#)

ローカルマシンの情報を取得するモデルのインターフェース

# Class ApplicationData

Namespace: [Rudeus.Model](#)

Assembly: SharedLib.dll

取得したインストール済みアプリのデータを保持する構造体

```
public class ApplicationData
```

## Inheritance

[object](#) ← ApplicationData

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<TExpected>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#)

## Constructors

### ApplicationData()

```
public ApplicationData()
```

### ApplicationData(string, string)

```
public ApplicationData(string name, string version)
```

## Parameters

name [string](#)

version [string](#)

## Properties

### Name

```
public string Name { get; set; }
```

### Property Value

[string](#)

### Version

```
public string Version { get; set; }
```

### Property Value

[string](#)

# Interface ILocalCertificate

Namespace: [Rudeus.Model](#)

Assembly: SharedLib.dll

ローカルマシンの証明書を操作するモデルのインターフェース

```
public interface ILocalCertificate
```

## Extension Methods

[AssertEx.IsInstanceOf<TExpected>\(object\)](#) , [AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#).

## Methods

### GetCertificate(string)

```
X509Certificate2? GetCertificate(string issuer)
```

Parameters

issuer [string](#)

Returns

[X509Certificate2](#)

### GetInstance()

```
public static abstract ILocalCertificate GetInstance()
```

Returns

[ILocalCertificate](#)

## InstallCertificateIntoRoot(string)

```
void InstallCertificateIntoRoot(string path)
```

### Parameters

path [string](#)

## InstallPkcs12IntoMy(string, string)

```
void InstallPkcs12IntoMy(string path, string password)
```

### Parameters

path [string](#)

password [string](#)

## UninstallCertificateFromString(string)

```
void UninstallCertificateFromString(string certificate)
```

### Parameters

certificate [string](#)

# Interface ILocalMachine

Namespace: [Rudeus.Model](#)

Assembly: SharedLib.dll

ローカルマシンの情報を取得するモデルのインターフェース

```
public interface ILocalMachine
```

## Extension Methods

[AssertEx.IsInstanceOf<TExpected>\(object\)](#) , [AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) ,  
[AssertEx.IsNotNullEqual\(object, object, string\)](#) , [AssertEx.IsNotNullEqual\(object, object, string\)](#).

## Methods

### GetCDrive()

```
string GetCDrive()
```

Returns

[string](#)

### GetCpuName()

```
string GetCpuName()
```

Returns

[string](#)

### GetDeviceId()

```
string GetDeviceId()
```

Returns

[string](#) ↗

## GetHostname()

`string GetHostname()`

Returns

[string](#) ↗

## GetInstance()

`public static abstract ILocalMachine GetInstance()`

Returns

[ILocalMachine](#)

## GetLabelId()

`string GetLabelId()`

Returns

[string](#) ↗

## GetMemory()

`string GetMemory()`

Returns

[string](#) ↗

## GetOS()

[string](#) `GetOS()`

Returns

[string](#) ↗

## GetOSVersion()

[string](#) `GetOSVersion()`

Returns

[string](#) ↗

## GetPhysicalRamInfo()

[string](#) `GetPhysicalRamInfo()`

Returns

[string](#) ↗

## GetSpec()

[string](#) `GetSpec()`

Returns

[string](#) ↗

## GetStorageDeviceIdList()

`List<string> GetStorageDeviceIdList()`

Returns

[List](#) <[string](#)>

## GetWinVersion()

`string GetWinVersion()`

Returns

[string](#)

## GetWithSecure()

`string GetWithSecure()`

Returns

[string](#)

# Class InstalledApplications

Namespace: [Rudeus.Model](#)

Assembly: SharedLib.dll

インストール済みアプリのデータを取得するモデル

```
public class InstalledApplications
```

## Inheritance

[object](#) ← InstalledApplications

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>\)](#) , [AssertEx.IsInstanceOf<TExpected>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#)

## Methods

### LoadAsync()

```
public static Task<List<ApplicationData>> LoadAsync()
```

## Returns

[Task](#) <[List](#) <[ApplicationData](#)>>

# Class LocalMachine

Namespace: [Rudeus.Model](#)

Assembly: SharedLib.dll

ローカルマシンの情報を取得するモデル

```
public class LocalMachine : ILocalMachine
```

Inheritance

[object](#) ← LocalMachine

Implements

[ILocalMachine](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<TExpected>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#).

## Methods

### GetCDrive()

```
public string GetCDrive()
```

Returns

[string](#)

## GetCpuName()

```
public string GetCpuName()
```

Returns

[string](#)

## GetDeviceId()

```
public string GetDeviceId()
```

Returns

[string](#)

## GetHostname()

```
public string GetHostname()
```

Returns

[string](#)

## GetInstance()

```
public static ILocalMachine GetInstance()
```

Returns

[ILocalMachine](#)

## GetLabelId()

```
public string GetLabelId()
```

Returns

string ↗

## GetMemory()

```
public string GetMemory()
```

Returns

string ↗

## GetOS()

```
public string GetOS()
```

Returns

string ↗

## GetOSVersion()

```
public string GetOSVersion()
```

Returns

string ↗

## GetPhysicalRamInfo()

```
public string GetPhysicalRamInfo()
```

Returns

string

## GetSpec()

```
public string GetSpec()
```

Returns

string

## GetStorageDeviceIdList()

```
public List<string> GetStorageDeviceIdList()
```

Returns

List <string>

## GetWinVersion()

```
public string GetWinVersion()
```

Returns

string

## GetWithSecure()

```
public string GetWithSecure()
```

Returns

[string](#)

# Namespace Rudeus.Procedure

## Classes

### [AccessTokenValidator](#)

アクセストークンの有効性を確認し、無効なら再発行する手続き

### [CertificateInstaller](#)

ローカルマシンに証明書をインストールする手続き

### [LocalMachineInfoUpdater](#)

### [RegistryInitializer](#)

ローカルマシンに必要なレジストリを初期化する手続き

### [ScheduledRegularExecuter](#)

定期実行する処理を実行する手続き デバイス情報の更新とサーバからのpush\_dataの処理を行う

### [ServerRegister](#)

管理サーバにデバイスを登録する手続き

### [UserLoginExecuter](#)

ユーザーのログインを行う手続き

## Interfaces

### [IProcedure](#)

ひとまとめの処理を実行するインターフェース 例えば、アクセストークンの再発行、インストール済みアプリの送信など

# Class AccessTokenValidator

Namespace: [Rudeus.Procedure](#)

Assembly: SharedLib.dll

アクセストークンの有効性を確認し、無効なら再発行する手続き

```
public class AccessTokenValidator : IProcedure
```

## Inheritance

[object](#) ← AccessTokenValidator

## Implements

[IProcedure](#)

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<TExpected>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#).

## Constructors

### AccessTokenValidator(IRootSettings?)

```
public AccessTokenValidator(IRootSettings? cs = null)
```

## Parameters

cs [IRootSettings](#)

# Properties

## \_settings

```
public IRootSettings _settings { get; set; }
```

Property Value

[IRootSettings](#)

# Methods

## IsFirstRun()

```
public bool IsFirstRun()
```

Returns

[bool](#)

## Run()

処理を実行する

```
public Task Run()
```

Returns

[Task](#)

# Class CertificateInstaller

Namespace: [Rudeus.Procedure](#)

Assembly: SharedLib.dll

ローカルマシンに証明書をインストールする手続き

```
public class CertificateInstaller : IProcedure
```

Inheritance

[object](#) ← CertificateInstaller

Implements

[IProcedure](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<TExpected>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#).

## Constructors

**CertificateInstaller(ILocalCertificate?)**

```
public CertificateInstaller(ILocalCertificate? lc = null)
```

Parameters

lc [ILocalCertificate](#)

# Properties

## \_localCertificate

```
public ILocalCertificate _localCertificate { get; set; }
```

Property Value

[ILocalCertificate](#)

# Methods

## Run()

処理を実行する

```
public Task Run()
```

Returns

[Task](#)

# Interface IProcedure

Namespace: [Rudeus.Procedure](#)

Assembly: SharedLib.dll

ひとまとめの処理を実行するインターフェース 例えば、アクセストークンの再発行、インストール済みアプリの送信など

```
public interface IProcedure
```

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.IsNotNull<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsNotNullOf<TExpected>\(object\)](#) ,  
[AssertEx.IsNotNullInstanceOf<TWrong>\(object\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#).

## Methods

### Run()

処理を実行する

```
Task Run()
```

### Returns

[Task](#) ↗

# Class LocalMachineInfoUpdater

Namespace: [Rudeus.Procedure](#)

Assembly: SharedLib.dll

```
public class LocalMachineInfoUpdater : IProcedure
```

## Inheritance

[object](#) ← LocalMachineInfoUpdater

## Implements

[IProcedure](#)

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.Is<T>\(T, Expression<Func<T, bool>\)](#) , [AssertEx.IsInstanceOf<T>\(object\)](#) , [AssertEx.IsNotNullInstanceOf<T>\(object\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object\)](#) , [AssertEx.IsStructuralEqual\(object, object\)](#)

## Constructors

LocalMachineInfoUpdater(IRootSettings?, ILocalMachine?)

```
public LocalMachineInfoUpdater(IRootSettings? settings = null, ILocalMachine? localMachine = null)
```

## Parameters

settings [IRootSettings](#)

localMachine [ILocalMachine](#)

# Properties

## LocalMachine

```
public ILocalMachine LocalMachine { get; set; }
```

### Property Value

[ILocalMachine](#)

## RootSettings

```
public IRootSettings RootSettings { get; set; }
```

### Property Value

[IRootSettings](#)

# Methods

## Run()

処理を実行する

```
public Task Run()
```

### Returns

[Task](#)

# Class RegistryInitializer

Namespace: [Rudeus.Procedure](#)

Assembly: SharedLib.dll

ローカルマシンに必要なレジストリを初期化する手続き

```
public class RegistryInitializer : IProcedure
```

Inheritance

[object](#) ← RegistryInitializer

Implements

[IProcedure](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<TExpected>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#).

## Constructors

RegistryInitializer(IRootSettings?, IAppSettings?, IAppSettings?,  
IAppSettings?)

```
public RegistryInitializer(IRootSettings? cfs = null, IAppSettings? ins = null,  
IAppSettings? bgs = null, IAppSettings? bfs = null)
```

Parameters

cfs [IRootSettings](#)

ins [IAppSettings](#)

bgS [IAppSettings](#)

bfs [IAppSettings](#)

## Properties

### BfSettings

`public IAppSettings BfSettings { get; set; }`

Property Value

[IAppSettings](#)

### BgSettings

`public IAppSettings BgSettings { get; set; }`

Property Value

[IAppSettings](#)

### ConfSettings

`public IRootSettings ConfSettings { get; set; }`

Property Value

[IRootSettings](#)

### InnoSettings

```
public IAppSettings InnoSettings { get; set; }
```

Property Value

[IAppSettings](#)

## Methods

Run()

処理を実行する

```
public Task Run()
```

Returns

[Task](#)

# Class ScheduledRegularExecuter

Namespace: [Rudeus.Procedure](#)

Assembly: SharedLib.dll

定期実行する処理を実行する手続き デバイス情報の更新とサーバからのpush\_dataの処理を行う

```
public class ScheduledRegularExecuter : IProcedure
```

## Inheritance

[object](#) ← ScheduledRegularExecuter

## Implements

[IProcedure](#)

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNull<T>\(T\)](#) ,  
[AssertEx.IsSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<TExpected>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#).

## Constructors

ScheduledRegularExecuter(UpdateWatcher?, IRootSettings?, IProcedure)

```
public ScheduledRegularExecuter(UpdateWatcher? watcher = null, IRootSettings? settings = null, IProcedure localMachineInfoUpdater = null)
```

## Parameters

watcher [UpdateWatcher](#)

settings [IRootSettings](#)

localMachineInfoUpdater [IProcedure](#)

## Properties

### LocalMachineInfoUpdater

```
public IProcedure LocalMachineInfoUpdater { get; set; }
```

Property Value

[IProcedure](#)

### RootSettings

```
public IRootSettings RootSettings { get; set; }
```

Property Value

[IRootSettings](#)

### Watcher

```
public UpdateWatcher Watcher { get; set; }
```

Property Value

[UpdateWatcher](#)

## Methods

### Run()

処理を実行する

```
public Task Run()
```

Returns

[Task](#) ↗

# Class ServerRegister

Namespace: [Rudeus.Procedure](#)

Assembly: SharedLib.dll

管理サーバにデバイスを登録する手続き

```
public class ServerRegister : IProcedure
```

Inheritance

[object](#) ← ServerRegister

Implements

[IProcedure](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>\)](#) , [AssertEx.IsInstanceOf<TExpected>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#).

## Constructors

### ServerRegister(ILocalMachine?, IRootSettings?)

```
public ServerRegister(ILocalMachine? lm = null, IRootSettings? cs = null)
```

Parameters

lm [ILocalMachine](#)

cs [IRootSettings](#)

# Properties

## \_localMachine

```
public ILocalMachine _localMachine { get; set; }
```

### Property Value

[ILocalMachine](#)

## \_settings

```
public IRootSettings _settings { get; set; }
```

### Property Value

[IRootSettings](#)

# Methods

## Run()

処理を実行する

```
public Task Run()
```

### Returns

[Task](#)

# Class UserLoginExecuter

Namespace: [Rudeus.Procedure](#)

Assembly: SharedLib.dll

ユーザーのログインを行う手続き

```
public class UserLoginExecuter : IProcedure
```

Inheritance

[object](#) ← UserLoginExecuter

Implements

[IProcedure](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<TExpected>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#).

## Properties

### OpenBrowser

```
public static Func<string, bool> OpenBrowser { get; set; }
```

Property Value

[Func](#) <[string](#), [bool](#)>

## Methods

### Run()

処理を実行する

```
public Task Run()
```

Returns

[Task](#)

# Namespace Rudeus.Watchdogs

## Classes

[UpdateWatcher](#)

# Class UpdateWatcher

Namespace: [Rudeus.Watchdogs](#)

Assembly: SharedLib.dll

```
public class UpdateWatcher
```

## Inheritance

[object](#) ← UpdateWatcher

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<T>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<T>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#)

## Constructors

UpdateWatcher(ILocalMachine?, IRootSettings?)

```
public UpdateWatcher(ILocalMachine? lm = null, IRootSettings? settings = null)
```

## Parameters

lm [ILocalMachine](#)

settings [IRootSettings](#)

## Properties

## LM

```
public ILocalMachine LM { get; set; }
```

Property Value

[ILocalMachine](#)

## Settings

```
public IRootSettings Settings { get; set; }
```

Property Value

[IRootSettings](#)

## Methods

### BuildUpdateRequestWithChanges()

```
public UpdateRequest BuildUpdateRequestWithChanges()
```

Returns

[UpdateRequest](#)

### IsChanged()

```
public bool IsChanged()
```

Returns

[bool](#) ↗

# Namespace SharedLib.Exceptions

## Classes

[AccessTokenUnavailableException](#)

[ServerUnavailableException](#)

[UnexpectedResponseException](#)

# Class AccessTokenUnavailableException

Namespace: [SharedLib.Exceptions](#)

Assembly: SharedLib.dll

```
public class AccessTokenUnavailableException : Exception, ISerializable
```

## Inheritance

[object](#) ← [Exception](#) ← AccessTokenUnavailableException

## Implements

[ISerializable](#)

## Inherited Members

[Exception.GetBaseException\(\)](#) , [Exception.GetObjectData\(SerializationInfo, StreamingContext\)](#) ,  
[Exception.GetType\(\)](#) , [Exception.ToString\(\)](#) , [Exception.Data](#) , [Exception.HelpLink](#) ,  
[Exception.HResult](#) , [Exception.InnerException](#) , [Exception.Message](#) , [Exception.Source](#) ,  
[Exception.StackTrace](#) , [Exception.TargetSite](#) , [Exception.SerializeObjectState](#) ,  
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNull<T>\(T\)](#) ,  
[AssertEx.IsSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<TExpected>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#)

## Constructors

### AccessTokenUnavailableException(string)

```
public AccessTokenUnavailableException(string message)
```

## Parameters

message [string](#)



# Class ServerUnavailableException

Namespace: [SharedLib.Exceptions](#)

Assembly: SharedLib.dll

```
public class ServerUnavailableException : Exception, ISerializable
```

## Inheritance

[object](#) ← [Exception](#) ← ServerUnavailableException

## Implements

[ISerializable](#)

## Inherited Members

[Exception.GetBaseException\(\)](#) , [Exception.GetObjectData\(SerializationInfo, StreamingContext\)](#) ,  
[Exception.GetType\(\)](#) , [Exception.ToString\(\)](#) , [Exception.Data](#) , [Exception.HelpLink](#) ,  
[Exception.HResult](#) , [Exception.InnerException](#) , [Exception.Message](#) , [Exception.Source](#) ,  
[Exception.StackTrace](#) , [Exception.TargetSite](#) , [Exception.SerializeObjectState](#) ,  
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNull<T>\(T\)](#) ,  
[AssertEx.IsSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<TExpected>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#)

## Constructors

### ServerUnavailableException(string)

```
public ServerUnavailableException(string message)
```

## Parameters

message [string](#)



# Class UnexpectedResponseException

Namespace: [SharedLib.Exceptions](#)

Assembly: SharedLib.dll

```
public class UnexpectedResponseException : Exception, ISerializable
```

## Inheritance

[object](#) ← [Exception](#) ← UnexpectedResponseException

## Implements

[ISerializable](#)

## Inherited Members

[Exception.GetBaseException\(\)](#) , [Exception.GetObjectData\(SerializationInfo, StreamingContext\)](#) ,  
[Exception.GetType\(\)](#) , [Exception.ToString\(\)](#) , [Exception.Data](#) , [Exception.HelpLink](#) ,  
[Exception.HResult](#) , [Exception.InnerException](#) , [Exception.Message](#) , [Exception.Source](#) ,  
[Exception.StackTrace](#) , [Exception.TargetSite](#) , [Exception.SerializeObjectState](#) ,  
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<TExpected>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#)

## Constructors

### UnexpectedResponseException(string)

```
public UnexpectedResponseException(string message)
```

## Parameters

message [string](#)



# Namespace SharedLib.Model.Settings

## Classes

### [AppSettings](#)

レジストリに設定を保持するモデル

### [RootSettings](#)

レジストリに設定を保持するモデル

## Interfaces

### [IAppSettings](#)

設定をレジストリに保管するモデル レジストリを指定して異なる保存先を指定することもできる

### [IBaseSettings](#)

### [IRootSettings](#)

主要な設定をレジストリに保管するモデル

# Class AppSettings

Namespace: [SharedLib.Model.Settings](#)

Assembly: SharedLib.dll

レジストリに設定を保持するモデル

```
public class AppSettings : IAppSettings, IBaseSettings
```

Inheritance

[object](#) ← AppSettings

Implements

[IAppSettings](#), [IBaseSettings](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<TExpected>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#).

## Constructors

AppSettings(Func<string, string, string>?, Func<string, string, bool>?, Func<string, RegistryKey>?)

```
public AppSettings(Func<string, string, string>? getFunc = null, Func<string, string, bool>?  
setFunc = null, Func<string, RegistryKey>? createRegFunc = null)
```

Parameters

getFunc [Func<string, string, string>](#)

setFunc [Func<string, string, bool>](#)

createRegFunc [Func<string, RegistryKey>](#)

## AppSettings(string)

**public** [AppSettings\(string registryKey\)](#)

### Parameters

**registryKey** [string](#)

## Fields

### AccessTokenKey

**public static string** AccessTokenKey

### Field Value

[string](#)

### CurrentVersionKey

**public static string** CurrentVersionKey

### Field Value

[string](#)

### DeviceIdKey

**public static string** DeviceIdKey

Field Value

[string](#) ↗

## FirstHostnameKey

```
public static string FirstHostnameKey
```

Field Value

[string](#) ↗

## HostnameKey

```
public static string HostnameKey
```

Field Value

[string](#) ↗

## LabelIdKey

```
public static string LabelIdKey
```

Field Value

[string](#) ↗

## LatestVersionStatusKey

```
public static string LatestVersionStatusKey
```

Field Value

[string](#) ↗

## NetworkIFListKey

`public string NetworkIFListKey`

Field Value

[string](#) ↗

## UpdateChannelKey

`public static string UpdateChannelKey`

Field Value

[string](#) ↗

## UsernameKey

`public static string UsernameKey`

Field Value

[string](#) ↗

## Properties

### AccessToken

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

Property Value

[string](#) ↗

## AccessTokenP

```
public string AccessTokenP { get; set; }
```

Property Value

[string](#) ↗

## CurrentVersion

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

Property Value

[string](#) ↗

## CurrentVersionP

```
public string CurrentVersionP { get; set; }
```

Property Value

[string](#) ↗

## DeviceId

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

Property Value

[string](#) ↗

## DeviceIdP

```
public string DeviceIdP { get; set; }
```

Property Value

[string](#)

## FirstHostnameP

```
public string FirstHostnameP { get; set; }
```

Property Value

[string](#)

## GetFunc

```
public Func<string, string, string> GetFunc { get; set; }
```

Property Value

[Func](#)<[string](#), [string](#), [string](#)>

## HostnameP

```
public string HostnameP { get; set; }
```

Property Value

[string](#)

## InitLabelId

```
public static string InitLabelId { get; }
```

Property Value

[string](#)

InitUsername

```
public static string InitUsername { get; }
```

Property Value

[string](#)

LabelId

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

Property Value

[string](#)

LabelIdP

```
public string LabelIdP { get; set; }
```

Property Value

[string](#)

LastDirName

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

Property Value

[string](#)

## LastDirNameP

```
public string LastDirNameP { get; set; }
```

Property Value

[string](#)

## LastVersionDirPath

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

Property Value

[string](#)

## LastVersionDirPathP

```
public string LastVersionDirPathP { get; set; }
```

Property Value

[string](#)

## LastVersionExeName

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

Property Value

[string](#)

## LastVersionExeNameP

```
public string LastVersionExeNameP { get; set; }
```

Property Value

[string](#)

## LastVersionExePath

```
public static string LastVersionExePath { get; }
```

Property Value

[string](#)

## LastVersionExePathP

```
public string LastVersionExePathP { get; }
```

Property Value

[string](#)

## LatestDirName

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

Property Value

[string](#)

## LatestDirNameP

```
public string LatestDirNameP { get; set; }
```

Property Value

[string](#)

## LatestVersionDirPath

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

Property Value

[string](#)

## LatestVersionDirPathP

```
public string LatestVersionDirPathP { get; set; }
```

Property Value

[string](#)

## LatestVersionExeName

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

Property Value

[string](#)

## LatestVersionExeNameP

```
public string LatestVersionExeNameP { get; set; }
```

Property Value

[string](#)

## LatestVersionExePath

```
public static string LatestVersionExePath { get; }
```

Property Value

[string](#)

## LatestVersionExePathP

```
public string LatestVersionExePathP { get; }
```

Property Value

[string](#)

## LatestVersionStatus

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

Property Value

[string](#)

## LatestVersionStatusP

```
public string LatestVersionStatusP { get; set; }
```

Property Value

[string](#)

## NetworkIFList

```
public string NetworkIFList { get; set; }
```

Property Value

[string](#)

## SetFunc

```
public Func<string, string, bool> SetFunc { get; set; }
```

Property Value

[Func](#) <[string](#), [string](#), [bool](#)>

## UpdatingChannel

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

Property Value

[string](#)

## UpdatingChannelP

```
public string UpdatingChannelP { get; set; }
```

Property Value

[string](#)

## Username

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

Property Value

[string](#)

## UsernameP

```
public string UsernameP { get; set; }
```

Property Value

[string](#)

## Methods

### Get(string, string)

```
public string Get(string key, string defaultValue = "")
```

Returns

key [string](#)

defaultValue [string](#)

Returns

[string](#)

## IsBetaChannel()

```
public static bool IsBetaChannel()
```

Returns

[bool](#)

## IsBetaChannelP()

```
public bool IsBetaChannelP()
```

Returns

[bool](#)

## IsDevelopChannelP()

```
public bool IsDevelopChannelP()
```

Returns

[bool](#)

## IsLatestVersionStatusDownloaded()

```
public static bool IsLatestVersionStatusDownloaded()
```

Returns

[bool](#)

## IsLatestVersionStatusDownloadedP()

```
public bool IsLatestVersionStatusDownloadedP()
```

Returns

[bool](#)

## IsLatestVersionStatusOk()

```
public static bool IsLatestVersionStatusOk()
```

Returns

[bool](#)

## IsLatestVersionStatusOkP()

```
public bool IsLatestVersionStatusOkP()
```

Returns

[bool](#)

## IsLatestVersionStatusUnlaunchable()

```
public static bool IsLatestVersionStatusUnlaunchable()
```

Returns

[bool](#)

## IsLatestVersionStatusUnlaunchableP()

```
public bool IsLatestVersionStatusUnlaunchableP()
```

Returns

[bool](#)

## IsStableChannelP()

```
public bool IsStableChannelP()
```

Returns

[bool](#)

## IsTestChannel()

```
public static bool IsTestChannel()
```

Returns

[bool](#)

## IsTestChannelP()

```
public bool IsTestChannelP()
```

Returns

[bool](#)

## Set(string, string)

```
public bool Set(string key, string value)
```

Parameters

key [string](#)

value [string](#)

Returns

[bool](#)

## SetBetaChannel()

```
public static void SetBetaChannel()
```

## SetBetaChannelP()

```
public void SetBetaChannelP()
```

## SetDevelopChannelP()

```
public void SetDevelopChannelP()
```

## SetLatestVersionStatusDownloaded()

```
public static void SetLatestVersionStatusDownloaded()
```

## SetLatestVersionStatusDownloadedP()

```
public void SetLatestVersionStatusDownloadedP()
```

## SetLatestVersionStatusOk()

```
public static void SetLatestVersionStatusOk()
```

## SetLatestVersionStatusOkP()

```
public void SetLatestVersionStatusOkP()
```

## SetLatestVersionStatusUnlaunchable()

```
public static void SetLatestVersionStatusUnlaunchable()
```

## SetLatestVersionStatusUnlaunchableP()

```
public void SetLatestVersionStatusUnlaunchableP()
```

## SetStableChannelIP()

```
public void SetStableChannelIP()
```

## SetTestChannel()

```
public static void SetTestChannel()
```

## SetTestChannelP()

```
public void SetTestChannelP()
```

## UpdateRegistryKey(string?)

```
public static void UpdateRegistryKey(string? registryKey = null)
```

### Parameters

registryKey [string](#)

# Interface IAppSettings

Namespace: [SharedLib.Model.Settings](#)

Assembly: SharedLib.dll

設定をレジストリに保管するモデル レジストリを指定して異なる保存先を指定することもできる

```
public interface IAppSettings : IBaseSettings
```

## Inherited Members

[IBaseSettings.Get\(string, string\)](#) , [IBaseSettings.Set\(string, string\)](#) , [IBaseSettings.GetFunc](#) ,  
[IBaseSettings.SetFunc](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>\)](#) , [AssertEx.IsInstanceOf<T>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<T>\(object\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#)

## Properties

### CurrentVersionP

```
string CurrentVersionP { get; set; }
```

#### Property Value

[string](#)

### LastDirNameP

```
string LastDirNameP { get; set; }
```

Property Value

[string](#) ↗

LastVersionDirPathP

```
string LastVersionDirPathP { get; set; }
```

Property Value

[string](#) ↗

LastVersionExeNameP

```
string LastVersionExeNameP { get; set; }
```

Property Value

[string](#) ↗

LastVersionExePathP

```
string LastVersionExePathP { get; }
```

Property Value

[string](#) ↗

LatestDirNameP

```
string LatestDirNameP { get; set; }
```

Property Value

[string](#) ↗

## LatestVersionDirPathP

`string LatestVersionDirPathP { get; set; }`

Property Value

[string](#) ↗

## LatestVersionExeNameP

`string LatestVersionExeNameP { get; set; }`

Property Value

[string](#) ↗

## LatestVersionExePathP

`string LatestVersionExePathP { get; }`

Property Value

[string](#) ↗

## LatestVersionStatusP

`string LatestVersionStatusP { get; set; }`

Property Value

[string](#) ↗

# UpdatingChannelP

```
string UpdatingChannelP { get; set; }
```

Property Value

[string](#)

## Methods

### IsLatestVersionStatusDownloadedP()

```
bool IsLatestVersionStatusDownloadedP()
```

Returns

[bool](#)

### IsLatestVersionStatusOkP()

```
bool IsLatestVersionStatusOkP()
```

Returns

[bool](#)

### IsLatestVersionStatusUnlaunchableP()

```
bool IsLatestVersionStatusUnlaunchableP()
```

Returns

[bool](#)

## SetLatestVersionStatusDownloadedP()

```
void SetLatestVersionStatusDownloadedP()
```

## SetLatestVersionStatusOkP()

```
void SetLatestVersionStatusOkP()
```

## SetLatestVersionStatusUnlaunchableP()

```
void SetLatestVersionStatusUnlaunchableP()
```

# Interface IBaseSettings

Namespace: [SharedLib.Model.Settings](#)

Assembly: SharedLib.dll

```
public interface IBaseSettings
```

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.IsNotNull<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsNotNullInstanceOf<T>\(object\)](#) ,  
[AssertEx.IsNotNullInstanceOf<T>\(object\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#).

## Properties

### GetFunc

```
Func<string, string, string> GetFunc { get; set; }
```

#### Property Value

[Func<string, string, string>](#)

### SetFunc

```
Func<string, string, bool> SetFunc { get; set; }
```

#### Property Value

[Func<string, string, bool>](#)

## Methods

## Get(string, string)

```
string Get(string key, string defaultString)
```

Parameters

key [string](#)

defaultString [string](#)

Returns

[string](#)

## Set(string, string)

```
bool Set(string key, string value)
```

Parameters

key [string](#)

value [string](#)

Returns

[bool](#)

# Interface IRootSettings

Namespace: [SharedLib.Model.Settings](#)

Assembly: SharedLib.dll

主要な設定をレジストリに保管するモデル

```
public interface IRootSettings : IBaseSettings
```

## Inherited Members

[IBaseSettings.Get\(string, string\)](#) , [IBaseSettings.Set\(string, string\)](#) , [IBaseSettings.GetFunc](#) ,  
[IBaseSettings.SetFunc](#)

## Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>\)](#) , [AssertEx.IsInstanceOf<T>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<T>\(object\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#)

## Properties

### AccessTokenP

```
string AccessTokenP { get; set; }
```

### Property Value

[string](#) ↗

### CDriveP

```
string CDriveP { get; set; }
```

Property Value

[string](#) ↗

CpuNameP

```
string CpuNameP { get; set; }
```

Property Value

[string](#) ↗

CurrentVersionP

```
string CurrentVersionP { get; set; }
```

Property Value

[string](#) ↗

DeviceIdP

```
string DeviceIdP { get; set; }
```

Property Value

[string](#) ↗

FirstHostnameP

```
string FirstHostnameP { get; set; }
```

Property Value

[string](#) ↗

## HostnameP

`string HostnameP { get; set; }`

Property Value

[string](#) ↗

## LabelIdP

`string LabelIdP { get; set; }`

Property Value

[string](#) ↗

## MemoryP

`string MemoryP { get; set; }`

Property Value

[string](#) ↗

## OSP

`string OSP { get; set; }`

Property Value

[string](#) ↗

## OSVersionP

```
string OSVersionP { get; set; }
```

Property Value

[string](#) ↗

## SpecP

```
string SpecP { get; set; }
```

Property Value

[string](#) ↗

## UpdatingChannelP

```
string UpdatingChannelP { get; set; }
```

Property Value

[string](#) ↗

## UsernameP

```
string UsernameP { get; set; }
```

Property Value

[string](#) ↗

## WithSecureP

```
string WithSecureP { get; set; }
```

Property Value

[string](#)

## Methods

IsBetaChannelP()

```
bool IsBetaChannelP()
```

Returns

[bool](#)

IsDevelopChannelP()

```
bool IsDevelopChannelP()
```

Returns

[bool](#)

IsStableChannelP()

```
bool IsStableChannelP()
```

Returns

[bool](#)

IsTestChannelP()

```
bool IsTestChannelP()
```

Returns

bool

## SetBetaChannelP()

```
void SetBetaChannelP()
```

## SetDevelopChannelP()

```
void SetDevelopChannelP()
```

## SetStableChannelP()

```
void SetStableChannelP()
```

## SetTestChannelP()

```
void SetTestChannelP()
```

# Class RootSettings

Namespace: [SharedLib.Model.Settings](#)

Assembly: SharedLib.dll

レジストリに設定を保持するモデル

```
public class RootSettings : IRootSettings, IBaseSettings
```

Inheritance

[object](#) ← RootSettings

Implements

[IRootSettings](#), [IBaseSettings](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Extension Methods

[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#) ,  
[AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) , [AssertEx.IsInstanceOf<TExpected>\(object\)](#) ,  
[AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) , [AssertEx.IsNotStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.IsStructuralEqual\(object, object, string\)](#).

## Constructors

RootSettings(Func<string, string, string>?, Func<string, string, bool>?, Func<string, RegistryKey>?)

```
public RootSettings(Func<string, string, string>? getFunc = null, Func<string, string, bool>? setFunc = null, Func<string, RegistryKey>? createRegFunc = null)
```

Parameters

getFunc [Func<string, string, string>](#)

setFunc [Func<string, string, bool>](#)

createRegFunc [Func<string, RegistryKey>](#)

## Fields

### AccessTokenKey

`public static string AccessTokenKey`

Field Value

[string](#)

### CurrentVersionKey

`public static string CurrentVersionKey`

Field Value

[string](#)

### DeviceIdKey

`public static string DeviceIdKey`

Field Value

[string](#)

### FirstHostnameKey

`public static string FirstHostnameKey`

Field Value

[string](#) ↗

## HostnameKey

`public static string HostnameKey`

Field Value

[string](#) ↗

## LabelIdKey

`public static string LabelIdKey`

Field Value

[string](#) ↗

## LatestVersionStatusKey

`public static string LatestVersionStatusKey`

Field Value

[string](#) ↗

## NetworkIFListKey

`public string NetworkIFListKey`

Field Value

[string](#) ↗

## SpecKey

`public string SpecKey`

Field Value

[string](#) ↗

## UpdateChannelKey

`public static string UpdateChannelKey`

Field Value

[string](#) ↗

## UsernameKey

`public static string UsernameKey`

Field Value

[string](#) ↗

## Properties

### AccessTokenP

`public string AccessTokenP { get; set; }`

Property Value

[string](#) ↗

## CDriveP

```
public string CDriveP { get; set; }
```

Property Value

[string](#) ↗

## CpuNameP

```
public string CpuNameP { get; set; }
```

Property Value

[string](#) ↗

## CurrentVersionP

```
public string CurrentVersionP { get; set; }
```

Property Value

[string](#) ↗

## DeviceIdP

```
public string DeviceIdP { get; set; }
```

Property Value

[string](#) ↗

## FirstHostnameP

```
public string FirstHostnameP { get; set; }
```

Property Value

[string](#)

## GetFunc

```
public Func<string, string, string> GetFunc { get; set; }
```

Property Value

[Func](#)<[string](#), [string](#), [string](#)>

## HostnameP

```
public string HostnameP { get; set; }
```

Property Value

[string](#)

## LabelIdP

```
public string LabelIdP { get; set; }
```

Property Value

[string](#)

## LatestVersionStatus

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

Property Value

[string](#)

## LatestVersionStatusP

```
public string LatestVersionStatusP { get; set; }
```

Property Value

[string](#)

## MemoryP

```
public string MemoryP { get; set; }
```

Property Value

[string](#)

## NetworkIFList

```
public string NetworkIFList { get; set; }
```

Property Value

[string](#)

## OSP

```
public string OSP { get; set; }
```

Property Value

[string](#)

## OSVersionP

```
public object OSVersionP { get; set; }
```

Property Value

[object](#)

## SetFunc

```
public Func<string, string, bool> SetFunc { get; set; }
```

Property Value

[Func](#) <[string](#), [string](#), [bool](#)>

## SpecP

```
public string SpecP { get; set; }
```

Property Value

[string](#)

## UpdatingChannelIP

```
public string UpdatingChannelP { get; set; }
```

Property Value

[string](#)

UsernameP

```
public string UsernameP { get; set; }
```

Property Value

[string](#)

WithSecureP

```
public string WithSecureP { get; set; }
```

Property Value

[string](#)

aa

```
public string aa { get; set; }
```

Property Value

[string](#)

**Methods**

Get(string, string)

```
public string Get(string key, string defaultValue = "")
```

Returns

[string](#)

[defaultValue](#) [string](#)

Returns

[string](#)

## IsBetaChannelP()

```
public bool IsBetaChannelP()
```

Returns

[bool](#)

## IsDevelopChannelP()

```
public bool IsDevelopChannelP()
```

Returns

[bool](#)

## IsLatestVersionStatusDownloaded()

```
public static bool IsLatestVersionStatusDownloaded()
```

Returns

[bool](#)

## IsLatestVersionStatusDownloadedP()

```
public bool IsLatestVersionStatusDownloadedP()
```

Returns

[bool](#)

## IsLatestVersionStatusOk()

```
public static bool IsLatestVersionStatusOk()
```

Returns

[bool](#)

## IsLatestVersionStatusOkP()

```
public bool IsLatestVersionStatusOkP()
```

Returns

[bool](#)

## IsLatestVersionStatusUnlaunchable()

```
public static bool IsLatestVersionStatusUnlaunchable()
```

Returns

[bool](#)

## IsLatestVersionStatusUnlaunchableP()

```
public bool IsLatestVersionStatusUnlaunchableP()
```

Returns

[bool](#)

## IsStableChannelP()

```
public bool IsStableChannelP()
```

Returns

[bool](#)

## IsTestChannelP()

```
public bool IsTestChannelP()
```

Returns

[bool](#)

## Set(string, string)

```
public bool Set(string key, string value)
```

Parameters

[key](#) [string](#)

[value](#) [string](#)

Returns

[bool](#)

## SetBetaChannelP()

```
public void SetBetaChannelP()
```

## SetDevelopChannelP()

```
public void SetDevelopChannelP()
```

## SetLatestVersionStatusDownloaded()

```
public static void SetLatestVersionStatusDownloaded()
```

## SetLatestVersionStatusDownloadedP()

```
public void SetLatestVersionStatusDownloadedP()
```

## SetLatestVersionStatusOk()

```
public static void SetLatestVersionStatusOk()
```

## SetLatestVersionStatusOkP()

```
public void SetLatestVersionStatusOkP()
```

## SetLatestVersionStatusUnlaunchable()

```
public static void SetLatestVersionStatusUnlaunchable()
```

## SetLatestVersionStatusUnlaunchableP()

```
public void SetLatestVersionStatusUnlaunchableP()
```

## SetStableChannelP()

```
public void SetStableChannelP()
```

## SetTestChannelP()

```
public void SetTestChannelP()
```

# Namespace Test

## Classes

[UnitTestSample](#)

# Class UnitTestSample

Namespace: [Test](#)

Assembly: Test.dll

```
public class UnitTestSample
```

## Inheritance

[object](#) ← UnitTestSample

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.IsInstanceOf<TExpected>\(object\)](#) , [AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) ,  
[AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#)

# Methods

## TestTest()

```
[Fact(DisplayName = "テストの書き方サンプル")]
public void TestTest()
```

# Namespace Test.Command

## Classes

[WorkerTest](#)

# Class WorkerTest

Namespace: [Test.Command](#)

Assembly: Test.dll

```
public class WorkerTest
```

## Inheritance

[object](#) ← WorkerTest

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.IsInstanceOf<TExpected>\(object\)](#) , [AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) ,  
[AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#)

# Methods

## TestRunAsync1()

```
[Fact(Skip = "RemoteAPIがスタブ不可なのでスキップ")]
public void TestRunAsync1()
```

## TestRunAsync2()

```
[Fact(Skip = "RemoteAPIがスタブ不可なのでスキップ")]
public void TestRunAsync2()
```

# Namespace Test.Initializer

## Classes

[ProgramTests](#)

[TaskInitializerTests](#)

# Class ProgramTests

Namespace: [Test.Initializer](#)

Assembly: Test.dll

```
public class ProgramTests
```

## Inheritance

[object](#) ← ProgramTests

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.IsInstanceOf<TExpected>\(object\)](#) , [AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) ,  
[AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#)

# Methods

## TestMain()

```
[Fact]  
public void TestMain()
```

# Class TaskInitializerTests

Namespace: [Test.Initializer](#)

Assembly: Test.dll

```
public class TaskInitializerTests
```

## Inheritance

[object](#) ← TaskInitializerTests

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.IsInstanceOf<TExpected>\(object\)](#) , [AssertEx.IsNotInstanceOf<TRong>\(object\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) ,  
[AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#)

# Namespace Test.Launcher

## Classes

[ExecuterTests](#)

[ProgramTests](#)

[UpdaterTests](#)

# Class ExecuterTests

Namespace: [Test.Launcher](#)

Assembly: Test.dll

```
public class ExecuterTests
```

## Inheritance

[object](#) ← ExecuterTests

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.IsInstanceOf<TExpected>\(object\)](#) , [AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) ,  
[AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#)

# Methods

## TestRun()

```
[Fact]  
public Task TestRun()
```

## Returns

[Task](#)

## TestRun2()

```
[Fact]  
public Task TestRun2()
```

Returns

[Task ↗](#)

## TestRun3()

```
[Fact]  
public Task TestRun3()
```

Returns

[Task ↗](#)

# Class ProgramTests

Namespace: [Test.Launcher](#)

Assembly: Test.dll

```
public class ProgramTests
```

## Inheritance

[object](#) ← ProgramTests

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.IsInstanceOf<TExpected>\(object\)](#) , [AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) ,  
[AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#)

# Methods

## Test1()

```
[Fact]  
public void Test1()
```

# Class UpdaterTests

Namespace: [Test.Launcher](#)

Assembly: Test.dll

```
public class UpdaterTests
```

## Inheritance

[object](#) ← UpdaterTests

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.IsInstanceOf<TExpected>\(object\)](#) , [AssertEx.IsNotInstanceOf<TRawng>\(object\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) ,  
[AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#)

# Namespace Test.SharedLib

## Classes

[ConstantsTests](#)

[UtilsTests](#)

# Class ConstantsTests

Namespace: [Test.SharedLib](#)

Assembly: Test.dll

```
public class ConstantsTests
```

## Inheritance

[object](#) ← ConstantsTests

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.IsInstanceOf<TExpected>\(object\)](#) , [AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) ,  
[AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#)

# Class UtilsTests

Namespace: [Test.SharedLib](#)

Assembly: Test.dll

```
public class UtilsTests
```

## Inheritance

[object](#) ← UtilsTests

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.IsInstanceOf<TExpected>\(object\)](#) , [AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) ,  
[AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#)

# Methods

## TestCompareVersionString()

```
[Fact(DisplayName = "CompareVersionString(): \"1.0.0\", \"2.1.0\" -> -1")]
public void TestCompareVersionString()
```

## TestCompareVersionString1()

```
[Fact(DisplayName = "CompareVersionString(): \"1.0.0\", \"1.0.0\" -> 0")]
public void TestCompareVersionString1()
```

## TestCompareVersionString2()

```
[Fact(DisplayName = "CompareVersionString(): \"1.0.0\", \"0.32.0\" -> 1")]
public void TestCompareVersionString2()
```

## TestConcatStudentNumberFromMail()

```
[Fact(DisplayName = "ConcatStudentNumberFromMail(): \"s1234567@s.do-johodai.ac.jp\" -> \"1234567\"")]
public void TestConcatStudentNumberFromMail()
```

## TestIsStudentMailAddress1()

学生のメール -> true

```
[Fact(DisplayName = "IsStudentMailAddress(): s1234567@s.do-johodai.ac.jp -> True")]
public void TestIsStudentMailAddress1()
```

## TestIsStudentMailAddress2()

教員のメール -> false

```
[Fact(DisplayName = "IsStudentMailAddress(): samplename@s.do-johodai.ac.jp -> False")]
public void TestIsStudentMailAddress2()
```

## TestIsStudentMailAddress3()

外部のメール -> false

```
[Fact(DisplayName = "IsStudentMailAddress(): s1234567@www.example.com -> False")]
public void TestIsStudentMailAddress3()
```

# Namespace Test.SharedLib.API

## Classes

[FakeRequestClient](#)

[RemoteAPITests](#)

# Class FakeRequestClient

Namespace: [Test.SharedLib.API](#)

Assembly: Test.dll

```
public class FakeRequestClient : IRequestClient
```

## Inheritance

[object](#) ← FakeRequestClient

## Implements

[IRequestClient](#)

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.IsInstanceOf<TExpected>\(object\)](#) , [AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) , [AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, Expression<Func<T, bool>\), string\)](#) , [AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#)

## Constructors

### FakeRequestClient()

```
public FakeRequestClient()
```

### FakeRequestClient(bool, bool, bool)

```
public FakeRequestClient(bool raiseUnreachableException, bool raiseUnauthorizedException, bool raiseUnexceptResponseException)
```

## Parameters

`raiseUnreachableException` [bool](#)

`raiseUnauthorizedException` [bool](#)

`raiseUnexceptResponseException` [bool](#)

## Fields

### OKResponseString

`public string` `OKResponseString`

#### Field Value

[string](#)

### OKWithPushDataResponseString

`public string` `OKWithPushDataResponseString`

#### Field Value

[string](#)

### RaiseUnauthorizedException

`public bool` `RaiseUnauthorizedException`

#### Field Value

[bool](#)

## RaiseUnexceptResponseException

```
public bool RaiseUnexceptResponseException
```

Field Value

[bool](#)

## RaiseUnreachableException

```
public bool RaiseUnreachableException
```

Field Value

[bool](#)

## RegisterDeviceResponseString

```
public string RegisterDeviceResponseString
```

Field Value

[string](#)

## Methods

### Request([HttpRequestMessage](#))

```
public HttpResponseMessage Request(HttpRequestMessage message)
```

Parameters

message [HttpRequestMessage](#)

Returns

[HttpResponseMessage](#)

## RequestMethod(HttpRequestMessage)

```
public string RequestMethod(HttpRequestMessage message)
```

Parameters

message [HttpRequestMessage](#)

Returns

[string](#)

# Class RemoteAPITests

Namespace: [Test.SharedLib.API](#)

Assembly: Test.dll

```
public class RemoteAPITests
```

## Inheritance

[object](#) ← RemoteAPITests

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.IsInstanceOf<TExpected>\(object\)](#) , [AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) ,  
[AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#)

# Methods

## TestBuildHttpRequestMessage()

```
[Fact]  
public void TestBuildHttpRequestMessage()
```

## TestLoginDevice()

```
[Fact]  
public void TestLoginDevice()
```

## TestRegisterDevice()

```
[Fact]  
public void TestRegisterDevice()
```

## TestRegisterDeviceException()

```
[Fact]  
public void TestRegisterDeviceException()
```

## TestSendInstalledApps()

```
[Fact]  
public void TestSendInstalledApps()
```

## TestUpdateDevice()

```
[Fact]  
public void TestUpdateDevice()
```

# Namespace Test.SharedLib.Model

## Classes

### [FakeLocalCertificate](#)

ローカルマシンの証明書を操作するモデルのFake実装

# Class FakeLocalCertificate

Namespace: [Test.SharedLib.Model](#)

Assembly: Test.dll

ローカルマシンの証明書を操作するモデルのFake実装

```
public class FakeLocalCertificate : ILocalCertificate
```

Inheritance

[object](#) ← FakeLocalCertificate

Implements

[ILocalCertificate](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Extension Methods

[AssertEx.IsInstanceOf<TExpected>\(object\)](#) , [AssertEx.IsNotInstanceOf<TRong>\(object\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, Expression<Func<T, bool>\), string\)](#) ,  
[AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#).

## Fields

\_fakeLocalCertificate

```
public static ILocalCertificate _fakeLocalCertificate
```

Field Value

[ILocalCertificate](#)

# Methods

## Create()

新しいインスタンスを生成する

```
public static ILocalCertificate Create()
```

Returns

[ILocalCertificate](#)

## GetCertificate(string)

```
public X509Certificate2 GetCertificate(string issuer)
```

Parameters

issuer [string](#)

Returns

[X509Certificate2](#)

## GetInstance()

单一のインスタンスを取得する

```
public static ILocalCertificate GetInstance()
```

Returns

[ILocalCertificate](#)

## InstallCertificateIntoRoot(string)

```
public void InstallCertificateIntoRoot(string path)
```

Parameters

path [string](#)

## InstallPkcs12IntoMy(string, string)

```
public void InstallPkcs12IntoMy(string path, string password)
```

Parameters

path [string](#)

password [string](#)

## UninstallCertificateFromString(string)

```
public void UninstallCertificateFromString(string certificate)
```

Parameters

certificate [string](#)

# Namespace Test.SharedLib.Model.Settings

## Classes

[AppSettingsTest](#)

[FakeSettings](#)

レジストリの設定を保持するモデルのFake実装

[FakeSettingsTest](#)

[RootSettingsTest](#)

# Class AppSettingsTest

Namespace: [Test.SharedLib.Model.Settings](#)

Assembly: Test.dll

```
public class AppSettingsTest
```

## Inheritance

[object](#) ← AppSettingsTest

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.IsInstanceOf<TExpected>\(object\)](#) , [AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) ,  
[AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#)

# Methods

## CurrentVersionPTest()

```
[Fact]  
public void CurrentVersionPTest()
```

## LastDirNamePTest()

```
[Fact]  
public void LastDirNamePTest()
```

## LastVersionDirPathPTest()

```
[Fact]
public void LastVersionDirPathPTest()
```

## LastVersionExeNamePTest()

```
[Fact]
public void LastVersionExeNamePTest()
```

## LastVersionExePathPTest()

```
[Fact]
public void LastVersionExePathPTest()
```

## LatestDirNamePTest()

```
[Fact]
public void LatestDirNamePTest()
```

## LatestVersionDirPathPTest()

```
[Fact]
public void LatestVersionDirPathPTest()
```

## LatestVersionExeNamePTest()

```
[Fact]
public void LatestVersionExeNamePTest()
```

## LatestVersionExePathPTest()

```
[Fact]
public void LatestVersionExePathPTest()
```

## LatestVersionStatusPTest()

```
[Fact]
public void LatestVersionStatusPTest()
```

## SetLatestVersionStatusDownloadedPTest()

```
[Fact]
public void SetLatestVersionStatusDownloadedPTest()
```

## SetLatestVersionStatusOkPTest()

```
[Fact]
public void SetLatestVersionStatusOkPTest()
```

## SetLatestVersionStatusUnlaunchablePTest()

```
[Fact]
public void SetLatestVersionStatusUnlaunchablePTest()
```

## UpdatingChannelPTest()

```
[Fact]
public void UpdatingChannelPTest()
```

# Class FakeSettings

Namespace: [Test.SharedLib.Model.Settings](#)

Assembly: Test.dll

レジストリの設定を保持するモデルのFake実装

```
public class FakeSettings : IAppSettings, IRootSettings, IBaseSettings
```

Inheritance

[object](#) ← FakeSettings

Implements

[IAppSettings](#), [IRootSettings](#), [IBaseSettings](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Extension Methods

[AssertEx.IsInstanceOf<TExpected>\(object\)](#) , [AssertEx.IsNotInstanceOf<TRawng>\(object\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsNotNullSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, Expression<Func<T, bool>\), string\)](#) ,  
[AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#).

## Constructors

FakeSettings(Func<string, string, string>?, Func<string, string, bool>?)

```
public FakeSettings(Func<string, string, string>? getFunc = null, Func<string, string, bool>? setFunc = null)
```

Parameters

getFunc [Func<string, string, string>](#)

setFunc [Func](#)<[string](#), [string](#), [bool](#)>

## Properties

### AccessTokenP

```
public string AccessTokenP { get; set; }
```

Property Value

[string](#)

### CDriveP

```
public string CDriveP { get; set; }
```

Property Value

[string](#)

### CpuNameP

```
public string CpuNameP { get; set; }
```

Property Value

[string](#)

### CurrentVersionP

```
public string CurrentVersionP { get; set; }
```

Property Value

[string](#) ↴

## DeviceIdP

```
public string DeviceIdP { get; set; }
```

Property Value

[string](#) ↴

## FirstHostnameP

```
public string FirstHostnameP { get; set; }
```

Property Value

[string](#) ↴

## GetFunc

```
public Func<string, string, string> GetFunc { get; set; }
```

Property Value

[Func](#) ↴ <[string](#) ↴, [string](#) ↴, [string](#) ↴>

## HostnameP

```
public string HostnameP { get; set; }
```

Property Value

[string](#) ↴

## LabelIdP

```
public string LabelIdP { get; set; }
```

Property Value

[string](#)

## LastDirNameP

```
public string LastDirNameP { get; set; }
```

Property Value

[string](#)

## LastVersionDirPathP

```
public string LastVersionDirPathP { get; set; }
```

Property Value

[string](#)

## LastVersionExeNameP

```
public string LastVersionExeNameP { get; set; }
```

Property Value

[string](#)

## LastVersionExePathP

```
public string LastVersionExePathP { get; }
```

Property Value

[string](#)

## LatestDirNameP

```
public string LatestDirNameP { get; set; }
```

Property Value

[string](#)

## LatestVersionDirPathP

```
public string LatestVersionDirPathP { get; set; }
```

Property Value

[string](#)

## LatestVersionExeNameP

```
public string LatestVersionExeNameP { get; set; }
```

Property Value

[string](#)

## LatestVersionExePathP

```
public string LatestVersionExePathP { get; }
```

Property Value

[string](#)

## LatestVersionStatusP

```
public string LatestVersionStatusP { get; set; }
```

Property Value

[string](#)

## MemoryP

```
public string MemoryP { get; set; }
```

Property Value

[string](#)

## OSP

```
public string OSP { get; set; }
```

Property Value

[string](#)

## OSVersionP

```
public string OSVersionP { get; set; }
```

Property Value

[string](#)

SetFunc

```
public Func<string, string, bool> SetFunc { get; set; }
```

Property Value

[Func](#)<[string](#), [string](#), [bool](#)>

SpecP

```
public string SpecP { get; set; }
```

Property Value

[string](#)

UpdatingChannelP

```
public string UpdatingChannelP { get; set; }
```

Property Value

[string](#)

UsernameP

```
public string UsernameP { get; set; }
```

Property Value

[string](#)

## WithSecureP

```
public string WithSecureP { get; set; }
```

Property Value

[string](#)

# Methods

### Create()

```
public static IAppSettings Create()
```

Returns

[IAppSettings](#)

### Get(string, string)

```
public string Get(string key, string defaultString = "")
```

Parameters

key [string](#)

defaultString [string](#)

Returns

[string](#)

## GetInstance()

```
public static IAppSettings GetInstance()
```

Returns

[IAppSettings](#)

## IsBetaChannelP()

```
public bool IsBetaChannelP()
```

Returns

[bool](#)

## IsDevelopChannelP()

```
public bool IsDevelopChannelP()
```

Returns

[bool](#)

## IsLatestVersionStatusDownloadedP()

```
public bool IsLatestVersionStatusDownloadedP()
```

Returns

[bool](#) ↗

## IsLatestVersionStatusOkP()

```
public bool IsLatestVersionStatusOkP()
```

Returns

[bool](#) ↗

## IsLatestVersionStatusUnlaunchableP()

```
public bool IsLatestVersionStatusUnlaunchableP()
```

Returns

[bool](#) ↗

## IsStableChannelP()

```
public bool IsStableChannelP()
```

Returns

[bool](#) ↗

## IsTestChannelP()

```
public bool IsTestChannelP()
```

Returns

[bool](#) ↗

## Set(string, string)

```
public bool Set(string key, string value)
```

### Parameters

key [string](#)

value [string](#)

### Returns

[bool](#)

## SetBetaChannelP()

```
public void SetBetaChannelP()
```

## SetDevelopChannelP()

```
public void SetDevelopChannelP()
```

## SetLatestVersionStatusDownloadedP()

```
public void SetLatestVersionStatusDownloadedP()
```

## SetLatestVersionStatusOkP()

```
public void SetLatestVersionStatusOkP()
```

## SetLatestVersionStatusUnlaunchableP()

```
public void SetLatestVersionStatusUnlaunchableP()
```

SetStableChannelP()

```
public void SetStableChannelP()
```

SetTestChannelP()

```
public void SetTestChannelP()
```

# Class FakeSettingsTest

Namespace: [Test.SharedLib.Model.Settings](#)

Assembly: Test.dll

```
public class FakeSettingsTest
```

## Inheritance

[object](#) ← FakeSettingsTest

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.IsInstanceOf<TExpected>\(object\)](#) , [AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) ,  
[AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#)

# Methods

## AccessTokenPTest()

```
[Fact]  
public void AccessTokenPTest()
```

## CDrivePTest()

```
[Fact]  
public void CDrivePTest()
```

## CpuNamePTest()

```
[Fact]
public void CpuNamePTest()
```

## CurrentVersionPTest()

```
[Fact]
public void CurrentVersionPTest()
```

## DeviceIdPTest()

```
[Fact]
public void DeviceIdPTest()
```

## FirstHostnamePTest()

```
[Fact]
public void FirstHostnamePTest()
```

## HostnamePTest()

```
[Fact]
public void HostnamePTest()
```

## IsBetaChannelPTest()

```
[Fact]
public void IsBetaChannelPTest()
```

## IsDevelopChannelPTest()

```
[Fact]
public void IsDevelopChannelPTest()
```

## IsStableChannelPTest()

```
[Fact]
public void IsStableChannelPTest()
```

## IsTestChannelPTest()

```
[Fact]
public void IsTestChannelPTest()
```

## LabelIdPTest()

```
[Fact]
public void LabelIdPTest()
```

## LastDirNamePTest()

```
[Fact]
public void LastDirNamePTest()
```

## LastVersionDirPathPTest()

```
[Fact]
public void LastVersionDirPathPTest()
```

## LastVersionExeNamePTest()

```
[Fact]
public void LastVersionExeNamePTest()
```

## LastVersionExePathPTest()

```
[Fact]
public void LastVersionExePathPTest()
```

## LatestDirNamePTest()

```
[Fact]
public void LatestDirNamePTest()
```

## LatestVersionDirPathPTest()

```
[Fact]
public void LatestVersionDirPathPTest()
```

## LatestVersionExeNamePTest()

```
[Fact]
public void LatestVersionExeNamePTest()
```

## LatestVersionExePathPTest()

```
[Fact]
public void LatestVersionExePathPTest()
```

## LatestVersionStatusPTest()

```
[Fact]
public void LatestVersionStatusPTest()
```

## MemoryPTest()

```
[Fact]
public void MemoryPTest()
```

## OSPTest()

```
[Fact]
public void OSPTest()
```

## OSVersionPTest()

```
[Fact]
public void OSVersionPTest()
```

## SetBetaChannelPTest()

```
[Fact]
public void SetBetaChannelPTest()
```

## SetDevelopChannelPTest()

```
[Fact]
public void SetDevelopChannelPTest()
```

## SetLatestVersionStatusDownloadedPTest()

```
[Fact]
public void SetLatestVersionStatusDownloadedPTest()
```

## SetLatestVersionStatusOkPTest()

```
[Fact]
public void SetLatestVersionStatusOkPTest()
```

## SetLatestVersionStatusUnlaunchablePTest()

```
[Fact]
public void SetLatestVersionStatusUnlaunchablePTest()
```

## SetStableChannelPTest()

```
[Fact]
public void SetStableChannelPTest()
```

## SetTestChannelPTest()

```
[Fact]
public void SetTestChannelPTest()
```

## SpecPTest()

```
[Fact]
public void SpecPTest()
```

## UpdatingChannelPTest()

```
[Fact]  
public void UpdatingChannelPTest()
```

## UsernamePTest()

```
[Fact]  
public void UsernamePTest()
```

## WithSecurePTest()

```
[Fact]  
public void WithSecurePTest()
```

# Class RootSettingsTest

Namespace: [Test.SharedLib.Model.Settings](#)

Assembly: Test.dll

```
public class RootSettingsTest
```

## Inheritance

[object](#) ← RootSettingsTest

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.IsInstanceOf<TExpected>\(object\)](#) , [AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) ,  
[AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#)

# Methods

## AccessTokenPTest()

```
[Fact]  
public void AccessTokenPTest()
```

## CDrivePTest()

```
[Fact]  
public void CDrivePTest()
```

## CpuNamePTest()

```
[Fact]
public void CpuNamePTest()
```

## CurrentVersionPTest()

```
[Fact]
public void CurrentVersionPTest()
```

## DeviceIdPTest()

```
[Fact]
public void DeviceIdPTest()
```

## FirstHostnamePTest()

```
[Fact]
public void FirstHostnamePTest()
```

## HostnamePTest()

```
[Fact]
public void HostnamePTest()
```

## IsBetaChannelPTest()

```
[Fact]
public void IsBetaChannelPTest()
```

## IsDevelopChannelPTest()

```
[Fact]
public void IsDevelopChannelPTest()
```

## IsStableChannelPTest()

```
[Fact]
public void IsStableChannelPTest()
```

## IsStableChannelPTest2()

```
[Fact]
public void IsStableChannelPTest2()
```

## IsTestChannelPTest()

```
[Fact]
public void IsTestChannelPTest()
```

## LabelIdPTest()

```
[Fact]
public void LabelIdPTest()
```

## MemoryPTest()

```
[Fact]
public void MemoryPTest()
```

## OSPTest()

```
[Fact]
public void OSPTest()
```

## OSVersionPTest()

```
[Fact]
public void OSVersionPTest()
```

## SetBetaChannelPTest()

```
[Fact]
public void SetBetaChannelPTest()
```

## SetDevelopChannelPTest()

```
[Fact]
public void SetDevelopChannelPTest()
```

## SetStableChannelPTest()

```
[Fact]
public void SetStableChannelPTest()
```

## SetTestChannelPTest()

```
[Fact]
public void SetTestChannelPTest()
```

## SpecPTest()

```
[Fact]
public void SpecPTest()
```

## UpdatingChannelPTest()

```
[Fact]
public void UpdatingChannelPTest()
```

## UsernamePTest()

```
[Fact]
public void UsernamePTest()
```

## WithSecurePTest()

```
[Fact]
public void WithSecurePTest()
```

# Namespace Test.SharedLib.Procedure

## Classes

[CertificateInstallerTests](#)

[FakeProcedure](#)

IProcedureのFake実装

[FakeProcedureTests](#)

[RegistryInitializerTests](#)

## Interfaces

[IFakeProcedure](#)

# Class CertificateInstallerTests

Namespace: [Test.SharedLib.Procedure](#)

Assembly: Test.dll

```
public class CertificateInstallerTests
```

## Inheritance

[object](#) ← CertificateInstallerTests

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.IsInstanceOf<TExpected>\(object\)](#) , [AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) ,  
[AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#)

# Methods

## TestRun()

```
[Fact]  
public void TestRun()
```

# Class FakeProcedure

Namespace: [Test.SharedLib.Procedure](#)

Assembly: Test.dll

IProcedureのFake実装

```
public class FakeProcedure : IFakeProcedure, IProcedure
```

Inheritance

[object](#) ← FakeProcedure

Implements

[IFakeProcedure](#), [IProcedure](#)

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Extension Methods

[AssertEx.IsInstanceOf<TExpected>\(object\)](#) , [AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, Expression<Func<T, bool>\), string\)](#) ,  
[AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#).

## Constructors

### FakeProcedure()

```
public FakeProcedure()
```

## Properties

### RunCount

Runメソッドが呼ばれた回数

```
public int RunCount { get; }
```

Property Value

[int↗](#)

## Methods

Run()

```
public Task Run()
```

Returns

[Task↗](#)

# Class FakeProcedureTests

Namespace: [Test.SharedLib.Procedure](#)

Assembly: Test.dll

```
public class FakeProcedureTests
```

## Inheritance

[object](#) ← FakeProcedureTests

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.IsInstanceOf<TExpected>\(object\)](#) , [AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) ,  
[AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#)

# Methods

## TestRun()

```
[Fact]  
public Task TestRun()
```

## Returns

[Task](#)

# Interface IFakeProcedure

Namespace: [Test.SharedLib.Procedure](#)

Assembly: Test.dll

```
public interface IFakeProcedure : IProcedure
```

## Extension Methods

[AssertEx.IsInstanceOf<TExpected>\(object\)](#) , [AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) , [AssertEx.IsNotNullEqual\(object, object, string\)](#) ,  
[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) ,  
[AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#)

## Properties

### RunCount

```
int RunCount { get; }
```

### Property Value

[int](#)

## Methods

### Run()

```
Task Run()
```

### Returns

[Task](#)

# Class RegistryInitializerTests

Namespace: [Test.SharedLib.Procedure](#)

Assembly: Test.dll

```
public class RegistryInitializerTests
```

## Inheritance

[object](#) ← RegistryInitializerTests

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Extension Methods

[AssertEx.IsInstanceOf<TExpected>\(object\)](#) , [AssertEx.IsNotInstanceOf<TWrong>\(object\)](#) ,  
[AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) , [AssertEx.IsNotNullStructuralEqual\(object, object, string\)](#) ,  
[AssertEx.AsDynamic<T>\(T\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) , [AssertEx.IsNotSameReferenceAs<T>\(T, T\)](#) ,  
[AssertEx.IsNotNull<T>\(T, T\)](#) , [AssertEx.IsNotNull<T>\(T, T, IEqualityComparer<T>\)](#) , [AssertEx.IsNotNull<T>\(T\)](#) ,  
[AssertEx.IsSameReferenceAs<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, Expression<Func<T, bool>>, string\)](#) ,  
[AssertEx.Is<T>\(T, T\)](#) , [AssertEx.Is<T>\(T, T, IEqualityComparer<T>\)](#)

# Methods

## TestRun()

```
[Fact]  
public void TestRun()
```

# Namespace Xunit

## Classes

[AssertEx](#)

# Class AssertEx

Namespace: [Xunit](#)

Assembly: Test.dll

```
[ContractVerification(false)]
public static class AssertEx
```

## Inheritance

[object](#) ← AssertEx

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Methods

### AsDynamic<T>(T)

to DynamicAccessor that can call private method/field/property/indexer.

```
public static dynamic AsDynamic<T>(this T target)
```

#### Parameters

**target** T

#### Returns

dynamic

#### Type Parameters

T

### IsFalse(bool)

Is(false)

```
public static void IsFalse(this bool value)
```

Parameters

value [bool](#)

## IsInstanceOf<TExpected>(object)

Assert.IsType

```
public static TExpected IsInstanceOf<TExpected>(this object value)
```

Parameters

value [object](#)

Returns

TExpected

Type Parameters

**TExpected**

## IsNotInstanceOf<TWrong>(object)

Assert.IsNotNullType

```
public static void IsNotInstanceOf<TWrong>(this object value)
```

Parameters

value [object](#)

Type Parameters

Twrong

## IsNotNull<T>(T)

Assert.NotNull

```
public static void IsNotNull<T>(this T value)
```

Parameters

value T

Type Parameters

T

## IsNotSameReferenceAs<T>(T, T)

Assert.NotSame

```
public static void IsNotSameReferenceAs<T>(this T actual, T notExpected)
```

Parameters

actual T

notExpected T

Type Parameters

T

## IsNotStructuralEqual(object, object, string)

Assert by deep recursive value equality compare

```
public static void IsNotStructuralEqual(this object actual, object expected, string message
= "")
```

## Parameters

actual [object](#)

expected [object](#)

message [string](#)

## IsNot<T>(IEnumerable<T>, IEnumerable<T>)

Assert.NotEqual(sequence value compare)

```
public static void IsNot<T>(this IEnumerable<T> actual, IEnumerable<T> notExpected)
```

## Parameters

actual [IEnumerable](#)<T>

notExpected [IEnumerable](#)<T>

## Type Parameters

T

## IsNot<T>(IEqualityComparer<T>, IEnumerable<T>, IEnumerable<T>, IEqualityComparer<T>)

Assert.False(actual.SequenceEqual(notExpected, comparer))

```
public static void IsNot<T>(this IEnumerable<T> actual, IEnumerable<T> notExpected,
IEqualityComparer<T> comparer)
```

## Parameters

actual [IEnumerable](#)<T>

notExpected [IEnumerable](#)<T>

comparer [IEqualityComparer](#)<T>

Type Parameters

T

IsNot<T>(IEnumerable<T>, IEnumerable<T>, Func<T, T, bool>)

Assert.False(actual.SequenceEqual(notExpected, comparison))

```
public static void IsNot<T>(this IEnumerable<T> actual, IEnumerable<T> notExpected, Func<T, T, bool> equalityComparison)
```

Parameters

actual [IEnumerable](#)<T>

notExpected [IEnumerable](#)<T>

equalityComparison [Func](#)<T, T, bool>

Type Parameters

T

IsNot<T>(IEnumerable<T>, params T[])

Assert.NotEqual(sequence value compare)

```
public static void IsNot<T>(this IEnumerable<T> actual, params T[] notExpected)
```

Parameters

actual [IEnumerable](#)<T>

notExpected T[]

## Type Parameters

T

### IsNot<T>(T, T)

Assert.NotEqual, if T is IComparable then check value equality

```
public static void IsNot<T>(this T actual, T notExpected)
```

## Parameters

actual T

notExpected T

## Type Parameters

T

### IsNot<T>(T, T, IEqualityComparer<T>)

Assert.NotEqual

```
public static void IsNot<T>(this T actual, T notExpected, IEqualityComparer<T> comparer)
```

## Parameters

actual T

notExpected T

comparer [IEqualityComparer](#)<T>

## Type Parameters

T

## IsNull<T>(T)

Assert.Null

```
public static void IsNull<T>(this T value)
```

Parameters

value T

Type Parameters

T

## IsSameReferenceAs<T>(T, T)

Assert.Same

```
public static void IsSameReferenceAs<T>(this T actual, T expected)
```

Parameters

actual T

expected T

Type Parameters

T

## IsStructuralEqual(object, object, string)

Assert by deep recursive value equality compare

```
public static void IsStructuralEqual(this object actual, object expected, string message  
= "")
```

Parameters

actual [object](#)

expected [object](#)

message [string](#)

## IsTrue(bool)

Is(true)

```
public static void IsTrue(this bool value)
```

Parameters

value [bool](#)

## Is<T>(IEnumerable<T>, IEnumerable<T>)

Assert.Equal(sequence value compare)

```
public static void Is<T>(this IEnumerable<T> actual, IEnumerable<T> expected)
```

Parameters

actual [IEnumerable](#)<T>

expected [IEnumerable](#)<T>

Type Parameters

T

## Is<T>(IEnumerable<T>, IEnumerable<T>, IEqualityComparer<T>)

Assert.True(actual.SequenceEqual(expected, comparer))

```
public static void Is<T>(this IEnumerable<T> actual, IEnumerable<T> expected,  
IEqualityComparer<T> comparer)
```

## Parameters

actual [IEnumerable](#)<T>

expected [IEnumerable](#)<T>

comparer [IEqualityComparer](#)<T>

## Type Parameters

T

# Is<T>(IEnumerable<T>, IEnumerable<T>, Func<T, T, bool>)

Assert.True(actual.SequenceEqual(expected, comparison))

```
public static void Is<T>(this IEnumerable<T> actual, IEnumerable<T> expected, Func<T, T,  
bool> equalityComparison)
```

## Parameters

actual [IEnumerable](#)<T>

expected [IEnumerable](#)<T>

equalityComparison [Func](#)<T, T, [bool](#)>

## Type Parameters

T

# Is<T>(IEnumerable<T>, params T[])

Assert.Equal(sequence value compare)

```
public static void Is<T>(this IEnumerable<T> actual, params T[] expected)
```

Parameters

actual [IEnumerable](#)<T>

expected T[]

Type Parameters

T

## Is<T>(T, Expression<Func<T, bool>>, string)

Assert.True(predicate(value))

```
public static void Is<T>(this T value, Expression<Func<T, bool>> predicate, string message
= "")
```

Parameters

value T

predicate [Expression](#)<[Func](#)<T, [bool](#)>>

message [string](#)

Type Parameters

T

## Is<T>(T, T)

Assert.Equal, if T is IEnumerable then compare value equality

```
public static void Is<T>(this T actual, T expected)
```

Parameters

**actual** T

**expected** T

Type Parameters

T

**Is<T>(T, T, IEqualityComparer<T>)**

Assert.Equal

```
public static void Is<T>(this T actual, T expected, IEqualityComparer<T> comparer)
```

Parameters

**actual** T

**expected** T

**comparer** [IEqualityComparer](#)<T>

Type Parameters

T