

Namespace Qomicex.Core

Classes

[Class1](#)

[DataModules](#)

[DataModules.DataDetails](#)

[DataModules.DataDetails.Account](#)

[DataModules.DataDetails.Java](#)

[DataModules.DataDetails.Launcher](#)

[DataModules.DataDetails.Launcher.WindowSize](#)

[DataModules.DataDetails.Version](#)

Structs

[DataModules.State](#)

[DataModules.SystemInfo](#)

Enums

[DataModules.State.StateCode](#)

Class Class1

Namespace: [Qomicex.Core](#)

Assembly: Qomicex.Core.dll

```
public class Class1
```

Inheritance

[object](#) ← Class1

Inherited Members

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

Class DataModules

Namespace: [Qomicex.Core](#)

Assembly: Qomicex.Core.dll

```
public class DataModules
```

Inheritance

[object](#) ← DataModules

Inherited Members

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

Class DataModules.DataDetails

Namespace: [Qomicex.Core](#)

Assembly: Qomicex.Core.dll

```
public class DataModules.DataDetails
```

Inheritance

[object](#) ← DataModules.DataDetails

Inherited Members

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

Class DataModules.DataDetails.Account

Namespace: [Qomicex.Core](#)

Assembly: Qomicex.Core.dll

```
public class DataModules.DataDetails.Account
```

Inheritance

[object](#) ← DataModules.DataDetails.Account

Inherited Members

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

Fields

AccessToken

```
public string AccessToken
```

Field Value

[string](#)

LoginMethod

```
public string LoginMethod
```

Field Value

[string](#)

Name

```
public string Name
```

Field Value

[string ↗](#)

RefreshToken

```
public string RefreshToken
```

Field Value

[string ↗](#)

Token

```
public string Token
```

Field Value

[string ↗](#)

Uuid

```
public string Uuid
```

Field Value

[string ↗](#)

Class DataModules.DataDetails.Java

Namespace: [Qomicex.Core](#)

Assembly: Qomicex.Core.dll

```
public class DataModules.DataDetails.Java
```

Inheritance

[object](#) ← DataModules.DataDetails.Java

Derived

[JavaHelper.JavaInfoExtended](#)

Inherited Members

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

Fields

Arch

```
public string Arch
```

Field Value

[string](#)

Name

```
public string Name
```

Field Value

[string](#)

Path

```
public string Path
```

Field Value

[string ↗](#)

Type

```
public string Type
```

Field Value

[string ↗](#)

Version

```
public string Version
```

Field Value

[string ↗](#)

VersionID

```
public int VersionID
```

Field Value

[int ↗](#)

Class DataModules.DataDetails.Launcher

Namespace: [Qomicex.Core](#)

Assembly: Qomicex.Core.dll

```
public class DataModules.DataDetails.Launcher
```

Inheritance

[object](#) ← DataModules.DataDetails.Launcher

Derived

[Launcher.LauncherParam](#)

Inherited Members

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

Fields

Account

```
public DataModules.DataDetails.Account Account
```

Field Value

[DataModules.DataDetails.Account](#)

AdditionalParam

```
public string AdditionalParam
```

Field Value

[string](#)

DevideVersion

```
public bool DevideVersion
```

Field Value

[bool](#)

Java

```
public DataModules.DataDetails.Java Java
```

Field Value

[DataModules.DataDetails.Java](#)

MaxMemory

```
public string MaxMemory
```

Field Value

[string](#)

Version

```
public string Version
```

Field Value

[string](#)

Class DataModules.DataDetails.Launcher.WindowSize

Namespace: [Qomicex.Core](#)

Assembly: Qomicex.Core.dll

```
public class DataModules.DataDetails.Launcher.WindowSize
```

Inheritance

[object](#) ← DataModules.DataDetails.Launcher.WindowSize

Inherited Members

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

Fields

Width

```
public string Width
```

Field Value

[string](#)

height

```
public string height
```

Field Value

[string](#)

Class DataModules.DataDetails.Version

Namespace: [Qomicex.Core](#)

Assembly: Qomicex.Core.dll

```
public class DataModules.DataDetails.Version
```

Inheritance

[object](#) ← DataModules.DataDetails.Version

Inherited Members

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

Constructors

Version(string)

```
public Version(string gameDir = "")
```

Parameters

gameDir [string](#)

Fields

GameDir

```
public string GameDir
```

Field Value

[string](#)

GameVersion

```
public string GameVersion
```

Field Value

[string](#)

State

```
public string State
```

Field Value

[string](#)

StateDescribe

```
public string StateDescribe
```

Field Value

[string](#)

Type

```
public string[] Type
```

Field Value

[string](#)[]

VersionDir

```
public string VersionDir
```

Field Value

[string](#) ↗

Properties

Name

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

Property Value

[string](#) ↗

Struct DataModules.State

Namespace: [Qomicex.Core](#)

Assembly: Qomicex.Core.dll

```
public struct DataModules.State
```

Inherited Members

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

Constructors

State()

```
public State()
```

Fields

Code

```
public int Code
```

Field Value

[int](#)

Describe

```
public string Describe
```

Field Value

[string](#) ↗

Name

`public string Name`

Field Value

[string](#) ↗

Enum DataModules.State.StateCode

Namespace: [Qomicex.Core](#)

Assembly: Qomicex.Core.dll

```
public enum DataModules.State.StateCode
```

Fields

Available = 0

MissingFiles = 1

Unknown = 3

WrongId = 2

Struct DataModules.SystemInfo

Namespace: [Qomicex.Core](#)

Assembly: Qomicex.Core.dll

```
public struct DataModules.SystemInfo
```

Inherited Members

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

Constructors

SystemInfo()

```
public SystemInfo()
```

Fields

Architecture

```
public string Architecture
```

Field Value

[string](#)

OS

```
public string OS
```

Field Value

[string](#)

OSName

`public string OSName`

Field Value

[string](#)

OSVersion

`public string OSVersion`

Field Value

[string](#)

OSVersionID

`public string OSVersionID`

Field Value

[string](#)

Namespace Qomicex.Core.Modules.Helpers

Classes

[AccountHelper](#)

[GeneralHelper](#)

[JavaHelper](#)

[JavaHelper.JavaInfoExtended](#)

[JavaHelper.JavaSearchOptions](#)

[SystemInfoHelper](#)

Enums

[JavaHelper.JavaSearchMode](#)

[JavaHelper.JavaState](#)

Class AccountHelper

Namespace: [Qomicex.Core.Modules.Helpers](#)

Assembly: Qomicex.Core.dll

```
public class AccountHelper
```

Inheritance

[object](#) ← AccountHelper

Inherited Members

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

Methods

NameToUuid(string)

```
public static string NameToUuid(string name)
```

Parameters

name [string](#)

Returns

[string](#)

Class GeneralHelper

Namespace: [Qomicex.Core.Modules.Helpers](#)

Assembly: Qomicex.Core.dll

```
public class GeneralHelper
```

Inheritance

[object](#) ← GeneralHelper

Inherited Members

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

Methods

CheckVersionAvailability(string, string)

```
public DataModules.State CheckVersionAvailability(string GameDir, string Version)
```

Parameters

GameDir [string](#)

Version [string](#)

Returns

[DataModules.State](#)

DeleteExcept(string, string)

删除指定目录中除特定后缀外的所有文件（注意：操作有风险，需确保路径正确）

```
public static bool DeleteExcept(string folderPath, string keepSuffix)
```

Parameters

`FolderPath` [string](#)

`keepSuffix` [string](#)

Returns

[bool](#)

ExtractFolderFromZip(string, string, string)

```
public static List<string> ExtractFolderFromZip(string zipPath, string targetFolderInZip,  
string outputDirectory)
```

Parameters

`zipPath` [string](#)

`targetFolderInZip` [string](#)

`outputDirectory` [string](#)

Returns

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

GetJavaVersion(string)

```
public static string GetJavaVersion(string javaPath)
```

Parameters

`javaPath` [string](#)

Returns

[string](#)

GetMinecraftRequireJavaVersion(string, string)

```
public static string GetMinecraftRequireJavaVersion(string version, string gameDir)
```

Parameters

version [string](#)

gameDir [string](#)

Returns

[string](#)

GetModLoaderType(string, string)

```
public string[] GetModLoaderType(string Version, string GameDir)
```

Parameters

Version [string](#)

GameDir [string](#)

Returns

[string](#)[]

GetNormalizedMajorVersion(string)

```
public static int GetNormalizedMajorVersion(string version)
```

Parameters

version [string](#)

Returns

[int](#)

ReadSpecifyFileFromZip(string, string)

```
public static byte[] ReadSpecifyFileFromZip(string path, string fileName)
```

Parameters

path [string](#)

fileName [string](#)

Returns

[byte](#)[]

SearchVersions(string)

```
public List<DataModules.DataDetails.Version> SearchVersions(string GameDir)
```

Parameters

GameDir [string](#)

Returns

[List](#)<[DataModules](#).[DataDetails](#).[Version](#)>

SearchVersionsFast(string)

```
public List<string> SearchVersionsFast(string GameDir)
```

Parameters

GameDir [string](#)

Returns

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

Unzip(string, string)

```
public static bool Unzip(string zipFilePath, string targetDir)
```

Parameters

zipFilePath [string](#)

targetDir [string](#)

Returns

[bool](#)

VerifyFileSha1(string, string)

```
public static bool VerifyFileSha1(string filePath, string expectedHash)
```

Parameters

filePath [string](#)

expectedHash [string](#)

Returns

[bool](#)

Class JavaHelper

Namespace: [Qomicex.Core.Modules.Helpers](#)

Assembly: Qomicex.Core.dll

```
public static class JavaHelper
```

Inheritance

[object](#) ← JavaHelper

Inherited Members

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

Fields

DeepOptions

```
public static readonly JavaHelper.JavaSearchOptions DeepOptions
```

Field Value

[JavaHelper.JavaSearchOptions](#)

QuickOptions

```
public static readonly JavaHelper.JavaSearchOptions QuickOptions
```

Field Value

[JavaHelper.JavaSearchOptions](#)

Methods

CheckJavaCompatibility(JavaInfoExtended, string, string)

```
public static bool CheckJavaCompatibility(JavaHelper.JavaInfoExtended java, string  
minecraftVersion, string gameDir)
```

Parameters

java [JavaHelper.JavaInfoExtended](#)

minecraftVersion [string](#)

gameDir [string](#)

Returns

[bool](#)

GetRecommendedJava(List<JavaInfoExtended>, string, string)

```
public static List<JavaHelper.JavaInfoExtended>  
GetRecommendedJava(List<JavaHelper.JavaInfoExtended> javaList, string minecraftVersion,  
string gameDir)
```

Parameters

javaList [List](#)<[JavaHelper.JavaInfoExtended](#)>

minecraftVersion [string](#)

gameDir [string](#)

Returns

[List](#)<[JavaHelper.JavaInfoExtended](#)>

SearchJava(JavaSearchOptions?)

```
public static List<JavaHelper.JavaInfoExtended> SearchJava(JavaHelper.JavaSearchOptions?  
options = null)
```

Parameters

options [JavaHelper.JavaSearchOptions](#)

Returns

[List](#) <[JavaHelper.JavaInfoExtended](#)>

Class JavaHelper.JavaInfoExtended

Namespace: [Qomicex.Core.Modules.Helpers](#)

Assembly: Qomicex.Core.dll

```
public class JavaHelper.JavaInfoExtended : DataModules.DataDetails.Java
```

Inheritance

[object](#) ← [DataModules.DataDetails.Java](#) ← JavaHelper.JavaInfoExtended

Inherited Members

[DataModules.DataDetails.Java.Name](#) , [DataModules.DataDetails.Java.Path](#) ,
[DataModules.DataDetails.Java.Version](#) , [DataModules.DataDetails.Java.VersionID](#) ,
[DataModules.DataDetails.Java.Type](#) , [DataModules.DataDetails.Java.Arch](#) ,
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

DiscoveredBy

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

Property Value

[string](#)

State

```
public JavaHelper.JavaState State { get; set; }
```

Property Value

[JavaHelper.JavaState](#)

StateMessage

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

Property Value

[string](#) ↗

Enum JavaHelper.JavaSearchMode

Namespace: [Qomicex.Core.Modules.Helpers](#)

Assembly: Qomicex.Core.dll

```
public enum JavaHelper.JavaSearchMode
```

Fields

Custom = 2

Deep = 1

Quick = 0

Class JavaHelper.JavaSearchOptions

Namespace: [Qomicex.Core.Modules.Helpers](#)

Assembly: Qomicex.Core.dll

```
public class JavaHelper.JavaSearchOptions
```

Inheritance

[object](#) ← JavaHelper.JavaSearchOptions

Inherited Members

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

Properties

CustomExcludePaths

```
public List<string> CustomExcludePaths { get; set; }
```

Property Value

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

CustomRootPath

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

Property Value

[string](#)

GameDir

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

Property Value

[string](#)

IncludeJDK

```
public bool IncludeJDK { get; set; }
```

Property Value

[bool](#)

IncludeJRE

```
public bool IncludeJRE { get; set; }
```

Property Value

[bool](#)

IncludeNetworkDrives

```
public bool IncludeNetworkDrives { get; set; }
```

Property Value

[bool](#)

MaxDepth

```
public int MaxDepth { get; set; }
```

Property Value

[int](#)

MaxResults

```
public int MaxResults { get; set; }
```

Property Value

[int](#)

Mode

```
public JavaHelper.JavaSearchMode Mode { get; set; }
```

Property Value

[JavaHelper.JavaSearchMode](#)

ScanHiddenFolders

```
public bool ScanHiddenFolders { get; set; }
```

Property Value

[bool](#)

Enum JavaHelper.JavaState

Namespace: [Qomicex.Core.Modules.Helpers](#)

Assembly: Qomicex.Core.dll

```
public enum JavaHelper.JavaState
```

Fields

CorruptedReleaseFile = 3

InvalidPath = 1

MissingReleaseFile = 2

UnknownError = 4

Valid = 0

Class SystemInfoHelper

Namespace: [Qomicex.Core.Modules.Helpers](#)

Assembly: Qomicex.Core.dll

```
public class SystemInfoHelper
```

Inheritance

[object](#) ← SystemInfoHelper

Inherited Members

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

Properties

OsArch

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

Property Value

[string](#)

OsName

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

Property Value

[string](#)

Separator

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

Property Value

[string](#)

Methods

GetSystemInfo()

```
public static DataModules.SystemInfo GetSystemInfo()
```

Returns

[DataModules.SystemInfo](#)

Namespace Qomicex.Core.Modules.Helpers.Account

Classes

[Microsoft](#)

[Microsoft OAuthResponse](#)

[Tongyi](#)

[Tongyi.TongyiAccount](#)

表示一个 统一通行证 身份验证游戏账户。

[TongyiException](#)

与 统一通行证 身份验证相关的异常。

[Yggdrasil](#)

[Yggdrasil.YggdrasilAccount](#)

表示一个 Yggdrasil 身份验证游戏账户。

[YggdrasilException](#)

与 Yggdrasil 身份验证相关的异常。

Class Microsoft

Namespace: [Qomicex.Core.Modules.Helpers.Account](#)

Assembly: Qomicex.Core.dll

```
public class Microsoft
```

Inheritance

[object](#) ← Microsoft

Inherited Members

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

Methods

GetUserAuthorizationState(OAuthResponse)

```
public Task<Dictionary<string, string>> GetUserAuthorizationState(Microsoft.OAuthResponse  
oAuthResponse)
```

Parameters

oAuthResponse [Microsoft.OAuthResponse](#)

Returns

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

GetUserInfo(string, string)

```
public Task<DataModules.DataDetails.Account> GetUserInfo(string accessToken,  
string refresh_token)
```

Parameters

accessToken [string](#)

refresh_token [string](#)

Returns

[Task](#) <[DataModules.DataDetails.Account](#)>

OAuthLogin()

`public Task<Microsoft.OAuthResponse> OAuthLogin()`

Returns

[Task](#) <[Microsoft.OAuthResponse](#)>

RefreshUserInfo(string)

`public Task<DataModules.DataDetails.Account> RefreshUserInfo(string refreshToken)`

Parameters

refreshToken [string](#)

Returns

[Task](#) <[DataModules.DataDetails.Account](#)>

Class Microsoft OAuthResponse

Namespace: [Qomicex.Core.Modules.Helpers.Account](#)

Assembly: Qomicex.Core.dll

```
public class Microsoft OAuthResponse
```

Inheritance

[object](#) ← Microsoft OAuthResponse

Inherited Members

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

Fields

DeviceCode

```
public string DeviceCode
```

Field Value

[string](#)

UserCode

```
public string UserCode
```

Field Value

[string](#)

VerificationUri

```
public string VerificationUri
```

Field Value

[string](#) ↗

Properties

ExpiresIn

```
public int ExpiresIn { get; set; }
```

Property Value

[int](#) ↗

Interval

```
public int Interval { get; set; }
```

Property Value

[int](#) ↗

Class Tongyi

Namespace: [Qomicex.Core.Modules.Helpers.Account](#)

Assembly: Qomicex.Core.dll

```
public class Tongyi : IDisposable
```

Inheritance

[object](#) ← Tongyi

Implements

[IDisposable](#)

Inherited Members

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

Constructors

Tongyi(string, string, string)

Tongyi 的构造函数。

```
public Tongyi(string serverId, string email, string password)
```

Parameters

serverId [string](#)

用于身份验证的基础 URL。

email [string](#)

账户的电子邮件地址。

password [string](#)

账户的密码。

Methods

AuthenticateAsync(CancellationToken)

使用提供的电子邮件和密码在 统一通行证 上验证用户身份。

```
public Task<List<Tongyi.TongyiAccount>> AuthenticateAsync(CancellationToken  
cancellationToken = default)
```

Parameters

cancellationToken [CancellationToken](#)

用于取消异步操作的令牌。

Returns

[Task](#)< [List](#)< [Tongyi.TongyiAccount](#)>>

与已验证用户关联的 统一通行证 账户列表。

Exceptions

[TongyiException](#)

当身份验证失败时抛出。

Dispose()

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

```
public void Dispose()
```

GetSkinTextureAsync(string, CancellationToken)

```
public Task<string?> GetSkinTextureAsync(string uuid, CancellationToken cancellationToken  
= default)
```

Parameters

`uuid` [string](#)

`cancellationToken` [CancellationToken](#)

Returns

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

InvalidateTokenAsync(TongyiAccount, CancellationToken)

使 统一通行证 账户中的令牌失效。

```
public Task InvalidateTokenAsync(Tongyi.TongyiAccount account, CancellationToken  
cancellationToken = default)
```

Parameters

`account` [Tongyi.TongyiAccount](#)

要使令牌失效的 统一通行证 账户。

`cancellationToken` [CancellationToken](#)

用于取消异步操作的令牌。

Returns

[Task](#)

Exceptions

[TongyiException](#)

当令牌失效操作失败时抛出。

OpenRegisterPage(string)

```
public void OpenRegisterPage(string ServerID)
```

Parameters

ServerID [string](#)

RefreshTokenAsync(TongyiAccount, CancellationToken)

为指定的 统一通行证 账户刷新访问令牌。

```
public Task<Tongyi.TongyiAccount> RefreshTokenAsync(Tongyi.TongyiAccount account,  
CancellationToken cancellationToken = default)
```

Parameters

account [Tongyi.TongyiAccount](#)

要刷新的 统一通行证 账户。

cancellationToken [CancellationToken](#)

用于取消异步操作的令牌。

Returns

[Task](#) <[Tongyi.TongyiAccount](#)>

刷新后的 统一通行证 账户。

Exceptions

[TongyiException](#)

当令牌刷新失败时抛出。

ValidateTokenAsync(TongyiAccount, CancellationToken)

验证 统一通行证 账户中的令牌是否仍然有效。

```
public Task<bool> ValidateTokenAsync(Tongyi.TongyiAccount account, CancellationToken  
cancellationToken = default)
```

Parameters

account [Tongyi.TongyiAccount](#)

要验证的 统一通行证 账户。

cancellationToken [CancellationToken](#)

用于取消异步操作的令牌。

Returns

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

如果令牌有效则返回 true；否则返回 false。

Exceptions

[TongyiException](#)

在网络错误时抛出。

Class Tongyi.TongyiAccount

Namespace: [Qomicex.Core.Modules.Helpers.Account](#)

Assembly: Qomicex.Core.dll

表示一个 统一通行证 身份验证游戏账户。

```
public class Tongyi.TongyiAccount
```

Inheritance

[object](#) ← Tongyi.TongyiAccount

Inherited Members

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

Properties

AccessToken

访问令牌。

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

Property Value

[string](#)

ClientToken

客户端令牌。

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

Property Value

[string](#)

IsExpired

令牌是否已过期。

```
public bool IsExpired { get; set; }
```

Property Value

[bool](#)

IssuedAt

令牌签发时间。

```
public DateTimeOffset IssuedAt { get; set; }
```

Property Value

[DateTimeOffset](#)

Name

角色名称。

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

Property Value

[string](#)

UserId

用户 ID。

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

Property Value

[string](#)

UserType

用户类型。

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

Property Value

[string](#)

Uuid

角色 UUID (不含连字符)。

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

Property Value

[string](#)

Methods

CheckExpiration(TimeSpan)

根据指定的有效期检查令牌是否过期。

```
public bool CheckExpiration(TimeSpan tokenLifetime)
```

Parameters

`tokenLifetime` [TimeSpan](#)

令牌的预期有效期。

Returns

[bool](#)

如果已过期则返回 `true`, 否则返回 `false`。

Class TongyiException

Namespace: [Qomicex.Core.Modules.Helpers.Account](#)

Assembly: Qomicex.Core.dll

与统一通行证身份验证相关的异常。

```
public class TongyiException : Exception, ISerializable
```

Inheritance

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

Implements

[ISerializable](#)

Inherited Members

[Exception.GetBaseException\(\)](#) , [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\(object, object\)](#)

Constructors

TongyiException(string)

初始化统一通行证Exception类的新实例。

```
public TongyiException(string message)
```

Parameters

message [string](#)

异常消息。

TongyiException(string, Exception)

初始化统一通行证Exception类的新实例，并指定内部异常。

```
public TongyiException(string message, Exception innerException)
```

Parameters

message [string](#)

异常消息。

innerException [Exception](#)

内部异常。

Properties

ErrorCode

错误代码。

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

Property Value

[string](#)

StatusCode

HTTP 状态码。

```
public HttpStatusCode StatusCode { get; set; }
```

Property Value

[HttpStatusCode](#)

Class Yggdrasil

Namespace: [Qomicex.Core.Modules.Helpers.Account](#)

Assembly: Qomicex.Core.dll

```
public class Yggdrasil : IDisposable
```

Inheritance

[object](#) ← Yggdrasil

Implements

[IDisposable](#)

Inherited Members

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

Constructors

Yggdrasil(string, string, string)

Yggdrasil 的构造函数。

```
public Yggdrasil(string baseUrl, string email, string password)
```

Parameters

`baseUrl` [string](#)

用于身份验证的基础 URL。

`email` [string](#)

账户的电子邮件地址。

`password` [string](#)

账户的密码。

Methods

AuthenticateAsync(CancellationToken)

使用提供的电子邮件和密码在 Yggdrasil 服务器上验证用户身份。

```
public Task<List<Yggdrasil.YggdrasilAccount>> AuthenticateAsync(CancellationToken  
cancellationToken = default)
```

Parameters

cancellationToken [CancellationToken](#)

用于取消异步操作的令牌。

Returns

[Task](#)< [List](#)< [Yggdrasil.YggdrasilAccount](#)>>

与已验证用户关联的 Yggdrasil 账户列表。

Exceptions

[YggdrasilException](#)

当身份验证失败时抛出。

Dispose()

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

```
public void Dispose()
```

GetSkinTextureAsync(string, CancellationToken)

```
public Task<string?> GetSkinTextureAsync(string uuid, CancellationToken cancellationToken  
= default)
```

Parameters

`uuid` [string](#)

`cancellationToken` [CancellationToken](#)

Returns

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

InvalidateTokenAsync(YggdrasilAccount, CancellationToken)

使 Yggdrasil 账户中的令牌失效。

```
public Task InvalidateTokenAsync(Yggdrasil.YggdrasilAccount account, CancellationToken  
cancellationToken = default)
```

Parameters

`account` [Yggdrasil.YggdrasilAccount](#)

要使令牌失效的 Yggdrasil 账户。

`cancellationToken` [CancellationToken](#)

用于取消异步操作的令牌。

Returns

[Task](#)

Exceptions

[YggdrasilException](#)

当令牌失效操作失败时抛出。

RefreshTokenAsync(YggdrasilAccount, CancellationToken)

为指定的 Yggdrasil 账户刷新访问令牌。

```
public Task<Yggdrasil.YggdrasilAccount> RefreshTokenAsync(Yggdrasil.YggdrasilAccount account, CancellationToken cancellationToken = default)
```

Parameters

account [Yggdrasil.YggdrasilAccount](#)

要刷新的 Yggdrasil 账户。

cancellationToken [CancellationToken](#)

用于取消异步操作的令牌。

Returns

[Task](#)<[Yggdrasil.YggdrasilAccount](#)>

刷新后的 Yggdrasil 账户。

Exceptions

[YggdrasilException](#)

当令牌刷新失败时抛出。

ValidateTokenAsync(YggdrasilAccount, CancellationToken)

验证 Yggdrasil 账户中的令牌是否仍然有效。

```
public Task<bool> ValidateTokenAsync(Yggdrasil.YggdrasilAccount account, CancellationToken cancellationToken = default)
```

Parameters

account [Yggdrasil.YggdrasilAccount](#)

要验证的 Yggdrasil 账户。

cancellationToken [CancellationToken](#)

用于取消异步操作的令牌。

Returns

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

如果令牌有效则返回 true；否则返回 false。

Exceptions

[YggdrasilException](#)

在网络错误时抛出。

Class Yggdrasil.YggdrasilAccount

Namespace: [Qomicex.Core.Modules.Helpers.Account](#)

Assembly: Qomicex.Core.dll

表示一个 Yggdrasil 身份验证游戏账户。

```
public class Yggdrasil.YggdrasilAccount
```

Inheritance

[object](#) ← Yggdrasil.YggdrasilAccount

Inherited Members

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

Properties

AccessToken

访问令牌。

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

Property Value

[string](#)

ClientToken

客户端令牌。

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

Property Value

[string](#)

IsExpired

令牌是否已过期。

```
public bool IsExpired { get; set; }
```

Property Value

[bool](#)

IssuedAt

令牌签发时间。

```
public DateTimeOffset IssuedAt { get; set; }
```

Property Value

[DateTimeOffset](#)

Name

角色名称。

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

Property Value

[string](#)

UserId

用户 ID。

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

Property Value

[string](#)

UserType

用户类型。

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

Property Value

[string](#)

Uuid

角色 UUID (不含连字符)。

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

Property Value

[string](#)

Methods

CheckExpiration(TimeSpan)

根据指定的有效期检查令牌是否过期。

```
public bool CheckExpiration(TimeSpan tokenLifetime)
```

Parameters

`tokenLifetime` [TimeSpan](#)

令牌的预期有效期。

Returns

[bool](#)

如果已过期则返回 `true`, 否则返回 `false`。

Class YggdrasilException

Namespace: [Qomicex.Core.Modules.Helpers.Account](#)

Assembly: Qomicex.Core.dll

与 Yggdrasil 身份验证相关的异常。

```
public class YggdrasilException : Exception, ISerializable
```

Inheritance

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

Implements

[ISerializable](#)

Inherited Members

[Exception.GetBaseException\(\)](#) , [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\(object, object\)](#)

Constructors

YggdrasilException(string)

初始化 YggdrasilException 类的新实例。

```
public YggdrasilException(string message)
```

Parameters

message [string](#)

异常消息。

YggdrasilException(string, Exception)

初始化 YggdrasilException 类的新实例，并指定内部异常。

```
public YggdrasilException(string message, Exception innerException)
```

Parameters

message [string](#)

异常消息。

innerException [Exception](#)

内部异常。

Properties

ErrorCode

错误代码。

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

Property Value

[string](#)

StatusCode

HTTP 状态码。

```
public HttpStatusCode StatusCode { get; set; }
```

Property Value

[HttpStatusCode](#)

Namespace Qomicex.Core.Modules.Helpers.Installers

Classes

[FabricInstaller](#)

[FabricInstaller.Library](#)

[ForgeInstaller](#)

[ForgeInstallerBase](#)

[InstallerBase](#)

[LiteloaderInstaller](#)

[LiteloaderInstaller.Artifact](#)

[LiteloaderInstaller.InstallProgress](#)

[LiteloaderInstaller.Library](#)

[LiteloaderInstaller.LibraryDownloadInfo](#)

[LiteloaderInstaller.LiteLoaderRemoteVersion](#)

[LiteloaderInstaller.Version](#)

[NeoForgeInstaller](#)

[OptiFineInstaller](#)

OptiFine安装器，负责下载和安装OptiFine优化模组

[OptiFineInstaller.OptiFineVersionInfo](#)

[OptiFineInstaller.Version](#)

[QuiltInstaller](#)

[QuiltInstaller.Library](#)

Interfaces

[IInstaller](#)

Enums

[InstallerBase.DownloadSource](#)

[InstallerBase.InstallType](#)

Class FabricInstaller

Namespace: [Qomicex.Core.Modules.Helpers.Installers](#)

Assembly: Qomicex.Core.dll

```
public class FabricInstaller : InstallerBase, IInstaller
```

Inheritance

[object](#) ← [InstallerBase](#) ← FabricInstaller

Implements

[IInstaller](#)

Inherited Members

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

Constructors

FabricInstaller(int, string)

```
public FabricInstaller(int downloadSource, string gameDir)
```

Parameters

downloadSource [int](#)

gameDir [string](#)

Methods

InstallAsync(string, string, string?, string?, string?, string?)

为指定的游戏版本和整合包标识符安装指定版本的 Fabric 模组加载器。

```
public void InstallAsync(string versionId, string inheritsFromJson, string? fabricVersion,
string? gameVersion, string? para3, string? para4)
```

Parameters

versionId [string](#)

要安装 Fabric 的整合包或实例的唯一标识符。不能为空。

inheritsFromJson [string](#)

继承自版本的JSON内容。可为空，为空时尝试从游戏目录读取。

fabricVersion [string](#)

要安装的 Fabric 模组加载器版本。必须是有效的 Fabric 版本字符串。

gameVersion [string](#)

Fabric 应安装的游戏版本。必须是受支持的游戏版本。

para3 [string](#)

para4 [string](#)

InstallFabricAsync(string, string, string?, string?)

异步安装 Fabric Loader

```
public Task<bool> InstallFabricAsync(string versionId, string fabricVersion, string
gameVersion, string? inheritsFromJson = null)
```

Parameters

versionId [string](#)

生成的版本ID

fabricVersion [string](#)

欲安装的Fabric版本

`gameVersion` [string](#)

原版游戏版本

`inheritsFromJson` [string](#)

继承自版本的JSON内容，可为空

Returns

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

是否成功

Class FabricInstaller.Library

Namespace: [Qomicex.Core.Modules.Helpers.Installers](#)

Assembly: Qomicex.Core.dll

```
public class FabricInstaller.Library
```

Inheritance

[object](#) ← FabricInstaller.Library

Inherited Members

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

Properties

Md5

```
public string? Md5 { get; set; }
```

Property Value

[string](#)

Name

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

Property Value

[string](#)

Sha1

```
public string? Sha1 { get; set; }
```

Property Value

[string ↗](#)

Sha256

```
public string? Sha256 { get; set; }
```

Property Value

[string ↗](#)

Sha512

```
public string? Sha512 { get; set; }
```

Property Value

[string ↗](#)

Size

```
public long? Size { get; set; }
```

Property Value

[long ↗?](#)

Url

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

Property Value

[string](#) ↗

Class ForgeInstaller

Namespace: [Qomicex.Core.Modules.Helpers.Installers](#)

Assembly: Qomicex.Core.dll

```
public class ForgeInstaller : ForgeInstallerBase, IInstaller
```

Inheritance

[object](#) ← [InstallerBase](#) ← [ForgeInstallerBase](#) ← [ForgeInstaller](#)

Implements

[IInstaller](#)

Inherited Members

[ForgeInstallerBase.SourceId](#) , [ForgeInstallerBase.ResolveUrl\(string\)](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

ForgeInstaller(int, string, string)

```
public ForgeInstaller(int sourceId, string gameDir, string gameVersion)
```

Parameters

sourceId [int](#)

gameDir [string](#)

gameVersion [string](#)

Methods

GetMissForgeLibraries(string, string)

获取缺失的 Forge 库文件列表

```
public List<LocalResourceHelper.MissFileData> GetMissForgeLibraries(string  
forgeInstallerPath, string versionId)
```

Parameters

forgeInstallerPath [string](#)

Forge安装器路径

versionId [string](#)

版本ID

Returns

[List](#)<[LocalResourceHelper.MissFileData](#)>

Exceptions

[Exception](#)

InstallAsync(string, string, string?, string?, string?, string?)

```
public void InstallAsync(string versionId, string inheritsFromJson, string? javaPath,  
string? forgeInstallerPath, string? para3, string? para4)
```

Parameters

versionId [string](#)

inheritsFromJson [string](#)

javaPath [string](#)

forgeInstallerPath [string](#)

para3 [string](#)

para4 [string](#)

IsLegacyForgeInstaller(string)

```
public bool IsLegacyForgeInstaller(string forgeInstallerPath)
```

Parameters

forgeInstallerPath [string](#)

Returns

[bool](#)

Class ForgeInstallerBase

Namespace: [Qomicex.Core.Modules.Helpers.Installers](#)

Assembly: Qomicex.Core.dll

```
public class ForgeInstallerBase : InstallerBase
```

Inheritance

[object](#) ← [InstallerBase](#) ← ForgeInstallerBase

Derived

[ForgeInstaller](#), [NeoForgeInstaller](#)

Inherited Members

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

Fields

SourceId

```
public int SourceId
```

Field Value

[int](#)

Methods

ResolveUrl(string)

```
public string ResolveUrl(string originalUrl)
```

Parameters

`originalUrl` [string ↗](#)

Returns

[string ↗](#)

Interface IInstaller

Namespace: [Qomicex.Core.Modules.Helpers.Installers](#)

Assembly: Qomicex.Core.dll

```
public interface IInstaller
```

Methods

`InstallAsync(string, string, string?, string?, string?, string?)`

```
void InstallAsync(string versionId, string inheritsFromJson, string? para1, string? para2,
string? para3, string? para4)
```

Parameters

`versionId` [string](#)

`inheritsFromJson` [string](#)

`para1` [string](#)

`para2` [string](#)

`para3` [string](#)

`para4` [string](#)

Class InstallerBase

Namespace: [Qomicex.Core.Modules.Helpers.Installers](#)

Assembly: Qomicex.Core.dll

```
public class InstallerBase
```

Inheritance

[object](#) ← InstallerBase

Derived

[FabricInstaller](#), [ForgeInstallerBase](#), [LiteloaderInstaller](#), [OptiFineInstaller](#), [QuiltInstaller](#)

Inherited Members

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

Enum InstallerBase.DownloadSource

Namespace: [Qomicex.Core.Modules.Helpers.Installers](#)

Assembly: Qomicex.Core.dll

```
public enum InstallerBase.DownloadSource
```

Fields

Bmclapi = 1

Official = 0

Enum InstallerBase.InstallType

Namespace: [Qomicex.Core.Modules.Helpers.Installers](#)

Assembly: Qomicex.Core.dll

```
public enum InstallerBase.InstallType
```

Fields

Fabric = 1

Forge = 0

LiteLoader = 4

NeoForge = 2

OptiFine = 5

Quilt = 3

Class LiteloaderInstaller

Namespace: [Qomicex.Core.Modules.Helpers.Installers](#)

Assembly: Qomicex.Core.dll

```
public class LiteloaderInstaller : InstallerBase, IInstaller
```

Inheritance

[object](#) ← [InstallerBase](#) ← LiteloaderInstaller

Implements

[IInstaller](#)

Inherited Members

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

Constructors

LiteloaderInstaller(int, string, string)

```
public LiteloaderInstaller(int sourceId, string gameDir, string gameVersion)
```

Parameters

sourceId [int](#)

gameDir [string](#)

gameVersion [string](#)

Methods

InstallAsync(string, string, string?, string?, string?, string?)

```
public void InstallAsync(string versionId, string inheritsFromJson, string?  
modLoaderVersion, string? gameVersion, string? para3, string? para4)
```

Parameters

versionId [string](#)

inheritsFromJson [string](#)

modLoaderVersion [string](#)

gameVersion [string](#)

para3 [string](#)

para4 [string](#)

InstallLiteLoaderAsync(string, string, string, IProgress<InstallProgress>?, CancellationToken)

```
public Task<bool> InstallLiteLoaderAsync(string versionId, string mcVersion, string  
liteVersion, IProgress<LiteloaderInstaller.InstallProgress>? progress = null,  
CancellationToken cancellationToken = default)
```

Parameters

versionId [string](#)

mcVersion [string](#)

liteVersion [string](#)

progress [IProgress](#)<[LiteloaderInstaller](#).[InstallProgress](#)>

cancellationToken [CancellationToken](#)

Returns

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

Class LiteloaderInstaller.Artifact

Namespace: [Qomicex.Core.Modules.Helpers.Installers](#)

Assembly: Qomicex.Core.dll

```
public class LiteloaderInstaller.Artifact
```

Inheritance

[object](#) ← LiteloaderInstaller.Artifact

Inherited Members

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

Constructors

Artifact(string, string, string)

```
public Artifact(string groupId, string artifactId, string version)
```

Parameters

groupId [string](#)

artifactId [string](#)

version [string](#)

Properties

ArtifactId

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

Property Value

[string](#)

GroupId

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

Property Value

[string](#)

Version

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

Property Value

[string](#)

Methods

ToString()

Returns a string that represents the current object.

```
public override string ToString()
```

Returns

[string](#)

A string that represents the current object.

Class LiteloaderInstaller.InstallProgress

Namespace: [Qomicex.Core.Modules.Helpers.Installers](#)

Assembly: Qomicex.Core.dll

```
public class LiteloaderInstaller.InstallProgress
```

Inheritance

[object](#) ← LiteloaderInstaller.InstallProgress

Inherited Members

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

Properties

IsCompleted

```
public bool IsCompleted { get; set; }
```

Property Value

[bool](#)

IsError

```
public bool IsError { get; set; }
```

Property Value

[bool](#)

Message

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

Property Value

[string](#) ↗

Percentage

```
public int Percentage { get; set; }
```

Property Value

[int](#) ↗

Class LiteloaderInstaller.Library

Namespace: [Qomicex.Core.Modules.Helpers.Installers](#)

Assembly: Qomicex.Core.dll

```
public class LiteloaderInstaller.Library
```

Inheritance

[object](#) ← LiteloaderInstaller.Library

Inherited Members

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

Properties

Artifact

```
public LiteloaderInstaller.Artifact? Artifact { get; set; }
```

Property Value

[LiteloaderInstaller.Artifact](#)

DownloadInfo

```
public LiteloaderInstaller.LibraryDownloadInfo? DownloadInfo { get; set; }
```

Property Value

[LiteloaderInstaller.LibraryDownloadInfo](#)

Url

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

Property Value

[string](#) ↗

Class LiteloaderInstaller.LibraryDownloadInfo

Namespace: [Qomicex.Core.Modules.Helpers.Installers](#)

Assembly: Qomicex.Core.dll

```
public class LiteloaderInstaller.LibraryDownloadInfo
```

Inheritance

[object](#) ← LiteloaderInstaller.LibraryDownloadInfo

Inherited Members

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

Properties

Path

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

Property Value

[string](#)

Url

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

Property Value

[string](#)

Class LiteloaderInstaller.LiteLoaderRemoteVersion

Namespace: [Qomicex.Core.Modules.Helpers.Installers](#)

Assembly: Qomicex.Core.dll

```
public class LiteloaderInstaller.LiteLoaderRemoteVersion
```

Inheritance

[object](#) ← LiteloaderInstaller.LiteLoaderRemoteVersion

Inherited Members

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

Constructors

LiteLoaderRemoteVersion(string, string, List<string>,
string, List<Library>)

```
public LiteLoaderRemoteVersion(string gameVersion, string selfVersion, List<string> urls,  
string tweakClass, List<LiteloaderInstaller.Library> libraries)
```

Parameters

gameVersion [string](#)

selfVersion [string](#)

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

tweakClass [string](#)

libraries [List](#)<[LiteloaderInstaller.Library](#)>

Properties

GameVersion

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

Property Value

[string](#)

Libraries

```
public List<LiteloaderInstaller.Library> Libraries { get; set; }
```

Property Value

[List](#)<[LiteloaderInstaller](#).[Library](#)>

SelfVersion

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

Property Value

[string](#)

TweakClass

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

Property Value

[string](#)

Urls

```
public List<string> Urls { get; set; }
```

Property Value

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

Class LiteloaderInstaller.Version

Namespace: [Qomicex.Core.Modules.Helpers.Installers](#)

Assembly: Qomicex.Core.dll

```
public class LiteloaderInstaller.Version
```

Inheritance

[object](#) ← LiteloaderInstaller.Version

Inherited Members

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

Properties

Id

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

Property Value

[string](#)

Methods

SetJson(string)

```
public void SetJson(string json)
```

Parameters

json [string](#)

ToJson()

```
public string ToJson()
```

Returns

[string](#)

Class NeoForgeInstaller

Namespace: [Qomicex.Core.Modules.Helpers.Installers](#)

Assembly: Qomicex.Core.dll

```
public class NeoForgeInstaller : ForgeInstallerBase, IInstaller
```

Inheritance

[object](#) ← [InstallerBase](#) ← [ForgeInstallerBase](#) ← NeoForgeInstaller

Implements

[IInstaller](#)

Inherited Members

[ForgeInstallerBase.SourceId](#) , [ForgeInstallerBase.ResolveUrl\(string\)](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

NeoForgeInstaller(int, string, string)

```
public NeoForgeInstaller(int sourceId, string gameDir, string gameVersion)
```

Parameters

sourceId [int](#)

gameDir [string](#)

gameVersion [string](#)

Methods

GetMissNeoForgeLibraries(string, string)

获取缺失的 NeoForge 库文件列表

```
public List<LocalResourceHelper.MissFileData> GetMissNeoForgeLibraries(string neoForgeInstallerPath, string versionId)
```

Parameters

neoForgeInstallerPath [string](#)

NeoForge 安裝器路徑

versionId [string](#)

版本ID

Returns

[List](#) <[LocalResourceHelper.MissFileData](#)>

缺失库文件列表

InstallAsync(string, string, string?, string?, string?, string?)

```
public void InstallAsync(string versionId, string inheritsFromJson, string? javaPath, string? neoForgeInstallerPath, string? para3, string? para4)
```

Parameters

versionId [string](#)

inheritsFromJson [string](#)

javaPath [string](#)

neoForgeInstallerPath [string](#)

para3 [string](#)

para4 [string](#)

Class OptiFineInstaller

Namespace: [Qomicex.Core.Modules.Helpers.Installers](#)

Assembly: Qomicex.Core.dll

OptiFine安装器，负责下载和安装OptiFine优化模组

```
public class OptiFineInstaller : InstallerBase, IInstaller
```

Inheritance

[object](#) ← [InstallerBase](#) ← OptiFineInstaller

Implements

[IInstaller](#)

Inherited Members

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

Constructors

OptiFineInstaller(int, string, string)

```
public OptiFineInstaller(int sourceId, string gameDir, string gameVersion)
```

Parameters

sourceId [int](#)

gameDir [string](#)

gameVersion [string](#)

Methods

GetAvailableVersionsAsync()

获取指定Minecraft版本的可用OptiFine版本列表

```
public Task<List<OptiFineInstaller.OptiFineVersionInfo>> GetAvailableVersionsAsync()
```

Returns

[Task](#)<[List](#)<[OptiFineInstaller.OptiFineVersionInfo](#)>>

InstallAsync(string, string, string?, string?, string?, string?)

```
public void InstallAsync(string versionId, string inheritsFromJson, string?  
modLoaderVersion, string? installerFilePath, string? javaPath, string? para4)
```

Parameters

versionId [string](#)

inheritsFromJson [string](#)

modLoaderVersion [string](#)

installerFilePath [string](#)

javaPath [string](#)

para4 [string](#)

Class OptiFineInstaller.OptiFineVersionInfo

Namespace: [Qomicex.Core.Modules.Helpers.Installers](#)

Assembly: Qomicex.Core.dll

```
public class OptiFineInstaller.OptiFineVersionInfo
```

Inheritance

[object](#) ← OptiFineInstaller.OptiFineVersionInfo

Inherited Members

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

Properties

FileName

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

Property Value

[string](#)

McVersion

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

Property Value

[string](#)

Patch

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

Property Value

[string](#) ↗

Type

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

Property Value

[string](#) ↗

Class OptiFineInstaller.Version

Namespace: [Qomicex.Core.Modules.Helpers.Installers](#)

Assembly: Qomicex.Core.dll

```
public class OptiFineInstaller.Version
```

Inheritance

[object](#) ← OptiFineInstaller.Version

Inherited Members

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

Properties

Id

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

Property Value

[string](#)

Methods

SetJson(string)

```
public void SetJson(string json)
```

Parameters

json [string](#)

ToJson()

```
public string ToJson()
```

Returns

[string](#)

Class QuiltInstaller

Namespace: [Qomicex.Core.Modules.Helpers.Installers](#)

Assembly: Qomicex.Core.dll

```
public class QuiltInstaller : InstallerBase, IInstaller
```

Inheritance

[object](#) ← [InstallerBase](#) ← QuiltInstaller

Implements

[IInstaller](#)

Inherited Members

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

Constructors

QuiltInstaller(int, string)

```
public QuiltInstaller(int downloadSource, string gameDir)
```

Parameters

downloadSource [int](#)

gameDir [string](#)

Methods

InstallAsync(string, string, string?, string?, string?, string?)

为指定的游戏版本和整合包标识符安装指定版本的 Quilt 模组加载器。

```
public void InstallAsync(string versionId, string inheritsFromJson, string? quiltVersion,
string? gameVersion, string? para3, string? para4)
```

Parameters

versionId [string](#)

要安装 Quilt 的整合包或实例的唯一标识符。不能为空。

inheritsFromJson [string](#)

继承自版本的JSON内容。可为空，为空时尝试从游戏目录读取。

quiltVersion [string](#)

要安装的 Quilt 模组加载器版本。必须是有效的 Quilt 版本字符串。

gameVersion [string](#)

Quilt 应安装的游戏版本。必须是受支持的游戏版本。

para3 [string](#)

para4 [string](#)

InstallQuiltAsync(string, string, string, string?)

异步安装 Quilt Loader

```
public Task<bool> InstallQuiltAsync(string versionId, string quiltVersion, string
gameVersion, string? inheritsFromJson = null)
```

Parameters

versionId [string](#)

生成的版本ID

quiltVersion [string](#)

欲安装的Quilt版本

`gameVersion` [string](#)

原版游戏版本

`inheritsFromJson` [string](#)

继承自版本的JSON内容，可为空

Returns

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

是否成功

Class QuiltInstaller.Library

Namespace: [Qomicex.Core.Modules.Helpers.Installers](#)

Assembly: Qomicex.Core.dll

```
public class QuiltInstaller.Library
```

Inheritance

[object](#) ← QuiltInstaller.Library

Inherited Members

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

Properties

Md5

```
public string? Md5 { get; set; }
```

Property Value

[string](#)

Name

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

Property Value

[string](#)

Sha1

```
public string? Sha1 { get; set; }
```

Property Value

[string ↗](#)

Sha256

```
public string? Sha256 { get; set; }
```

Property Value

[string ↗](#)

Sha512

```
public string? Sha512 { get; set; }
```

Property Value

[string ↗](#)

Size

```
public long? Size { get; set; }
```

Property Value

[long ↗?](#)

Url

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

Property Value

[string](#) ↗

Namespace Qomicex.Core.Modules.Helpers. LogAnalysis

Classes

[MinecraftLogAnalyzer](#)

Minecraft 日志分析器主类 整合所有分析器，提供统一的分析接口

Interfaces

[ILogAnalyzer](#)

日志分析器接口

Interface ILogAnalyzer

Namespace: [Qomicex.Core.Modules.Helpers.LogAnalysis](#)

Assembly: Qomicex.Core.dll

日志分析器接口

```
public interface ILogAnalyzer
```

Methods

AnalyzeAsync(string)

分析崩溃报告文件

```
Task<LogAnalysisResult> AnalyzeAsync(string filePath)
```

Parameters

filePath [string](#)

崩溃报告文件路径

Returns

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

分析结果

AnalyzeContentAsync(string, string)

分析日志内容字符串

```
Task<LogAnalysisResult> AnalyzeContentAsync(string content, string fileName = "")
```

Parameters

`content` [string](#)

日志内容

`fileName` [string](#)

原始文件名（用于上下文）

Returns

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

分析结果

Class MinecraftLogAnalyzer

Namespace: [Qomicex.Core.Modules.Helpers.LogAnalysis](#)

Assembly: Qomicex.Core.dll

Minecraft 日志分析器主类 整合所有分析器，提供统一的分析接口

```
public class MinecraftLogAnalyzer : ILogAnalyzer
```

Inheritance

[object](#) ← MinecraftLogAnalyzer

Implements

[ILogAnalyzer](#)

Inherited Members

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

Constructors

MinecraftLogAnalyzer(string)

初始化日志分析器

```
public MinecraftLogAnalyzer(string externalConfigPath = "")
```

Parameters

externalConfigPath [string](#)

外部配置文件路径 (可选)

Methods

AnalyzeAsync(string)

分析崩溃报告文件

```
public Task<LogAnalysisResult> AnalyzeAsync(string filePath)
```

Parameters

filePath [string](#)

Returns

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

AnalyzeContentAsync(string, string)

分析日志内容字符串

```
public Task<LogAnalysisResult> AnalyzeContentAsync(string content, string fileName = "")
```

Parameters

content [string](#)

fileName [string](#)

Returns

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

GenerateSummary(LogAnalysisResult)

生成分析报告摘要

```
public static string GenerateSummary(LogAnalysisResult result)
```

Parameters

result [LogAnalysisResult](#)

Returns

[string](#)

GetAllSolutions(LogAnalysisResult)

获取所有建议的解决方案（按优先级排序）

```
public static List<SuggestedSolution> GetAllSolutions(LogAnalysisResult result)
```

Parameters

result [LogAnalysisResult](#)

Returns

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

GetCrashReportFiles(string)

获取崩溃报告目录中的所有崩溃报告文件

```
public static List<string> GetCrashReportFiles(string gameDir)
```

Parameters

gameDir [string](#)

Returns

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

GetIssuesByCategory(LogAnalysisResult, IssueCategory)

获取指定类别的所有问题

```
public static List<DetectedIssue> GetIssuesByCategory(LogAnalysisResult result,  
IssueCategory category)
```

Parameters

result [LogAnalysisResult](#)

category [IssueCategory](#)

Returns

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

GetIssuesBySeverity(LogAnalysisResult, IssueSeverity)

获取指定严重级别的所有问题

```
public static List<DetectedIssue> GetIssuesBySeverity(LogAnalysisResult result,  
IssueSeverity severity)
```

Parameters

result [LogAnalysisResult](#)

severity [IssueSeverity](#)

Returns

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

GetLatestCrashReport(string)

获取最近的崩溃报告文件

```
public static string? GetLatestCrashReport(string gameDir)
```

Parameters

gameDir [string](#)

Returns

[string](#)

GetMemorySummary(LogAnalysisResult)

获取内存使用摘要

```
public string GetMemorySummary(LogAnalysisResult result)
```

Parameters

result [LogAnalysisResult](#)

Returns

[string](#)

GetModConflictSummary(LogAnalysisResult)

获取Mod冲突摘要

```
public string GetModConflictSummary(LogAnalysisResult result)
```

Parameters

result [LogAnalysisResult](#)

Returns

[string](#)

GetPrimarySolution(LogAnalysisResult)

获取首要解决方案（优先级最高的第一个解决方案）

```
public static SuggestedSolution? GetPrimarySolution(LogAnalysisResult result)
```

Parameters

result [LogAnalysisResult](#)

Returns

[SuggestedSolution](#)

GetRecentCrashReports(string, int)

获取最近N天内的崩溃报告

```
public static List<string> GetRecentCrashReports(string gameDir, int days = 7)
```

Parameters

gameDir [string](#)

days [int](#)

Returns

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

Namespace Qomicex.Core.Modules.Helpers. LogAnalysis.Analyzers

Classes

[CrashReportAnalyzer](#)

崩溃报告分析器 解析 crash-reports/*.txt 文件格式

[CrashReportInfo](#)

崩溃报告信息

[DetectedIssueExtensions](#)

扩展DetectedIssue，添加堆栈追踪上下文

[JavaExceptionAnalyzer](#)

Java异常分析器 分析Java异常类型、堆栈追踪

[MemoryIssueAnalyzer](#)

内存问题分析器 检测OOM错误、GC问题、内存泄漏

[ModConflictAnalyzer](#)

Mod冲突分析器 检测重复Mod、版本冲突、缺失依赖

Class CrashReportAnalyzer

Namespace: [Qomicex.Core.Modules.Helpers.LogAnalysis.Analyzers](#)

Assembly: Qomicex.Core.dll

崩溃报告分析器 解析 crash-reports/*.txt 文件格式

```
public class CrashReportAnalyzer
```

Inheritance

[object](#) ← CrashReportAnalyzer

Inherited Members

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

Methods

AnalyzeAsync(string)

分析崩溃报告文件

```
public Task<CrashReportInfo> AnalyzeAsync(string filePath)
```

Parameters

filePath [string](#)

Returns

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

AnalyzeContent(string, string)

分析崩溃报告内容

```
public CrashReportInfo AnalyzeContent(string content, string fileName = "")
```

Parameters

content [string](#)

fileName [string](#)

Returns

[CrashReportInfo](#)

Class CrashReportInfo

Namespace: [Qomicex.Core.Modules.Helpers.LogAnalysis.Analyzers](#)

Assembly: Qomicex.Core.dll

崩溃报告信息

```
public class CrashReportInfo
```

Inheritance

[object](#) ← CrashReportInfo

Inherited Members

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

Properties

AnalysisTime

```
public DateTime AnalysisTime { get; set; }
```

Property Value

[DateTime](#)

CrashTime

```
public DateTime CrashTime { get; set; }
```

Property Value

[DateTime](#)

FilePath

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

Property Value

[string](#)

LoadedMods

```
public List<ModInfo> LoadedMods { get; set; }
```

Property Value

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

MinecraftVersion

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

Property Value

[string](#)

ModLoader

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

Property Value

[string](#)

ModLoaderVersion

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

Property Value

[string](#)

RawLogExcerpt

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

Property Value

[string](#)

StackTrace

```
public List<string> StackTrace { get; set; }
```

Property Value

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

Class DetectedIssueExtensions

Namespace: [Qomicex.Core.Modules.Helpers.LogAnalysis.Analyzers](#)

Assembly: Qomicex.Core.dll

扩展DetectedIssue，添加堆栈追踪上下文

```
public static class DetectedIssueExtensions
```

Inheritance

[object](#) ← DetectedIssueExtensions

Inherited Members

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

Methods

GetStackTraceContext(DetectedIssue)

```
public static List<string>? GetStackTraceContext(this DetectedIssue issue)
```

Parameters

issue [DetectedIssue](#)

Returns

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

SetStackTraceContext(DetectedIssue, List<string>)

```
public static void SetStackTraceContext(this DetectedIssue issue, List<string> stackTrace)
```

Parameters

issue [DetectedIssue](#)

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

Class JavaExceptionAnalyzer

Namespace: [Qomicex.Core.Modules.Helpers.LogAnalysis.Analyzers](#)

Assembly: Qomicex.Core.dll

Java异常分析器 分析Java异常类型、堆栈追踪

```
public class JavaExceptionAnalyzer
```

Inheritance

[object](#) ← JavaExceptionAnalyzer

Inherited Members

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

Constructors

JavaExceptionAnalyzer(LogPatternDatabase)

```
public JavaExceptionAnalyzer(LogPatternDatabase patternDatabase)
```

Parameters

patternDatabase [LogPatternDatabase](#)

Methods

Analyze(string[])

分析日志中的Java异常

```
public List<DetectedIssue> Analyze(string[] lines)
```

Parameters

`lines` [string](#)[]

Returns

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

AnalyzeLine(string, int)

分析单行

```
public List<DetectedIssue> AnalyzeLine(string line, int lineNumber)
```

Parameters

`line` [string](#)

`lineNumber` [int](#)

Returns

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

Class MemoryIssueAnalyzer

Namespace: [Qomicex.Core.Modules.Helpers.LogAnalysis.Analyzers](#)

Assembly: Qomicex.Core.dll

内存问题分析器 检测OOM错误、GC问题、内存泄漏

```
public class MemoryIssueAnalyzer
```

Inheritance

[object](#) ← MemoryIssueAnalyzer

Inherited Members

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

Constructors

MemoryIssueAnalyzer(LogPatternDatabase)

```
public MemoryIssueAnalyzer(LogPatternDatabase patternDatabase)
```

Parameters

patternDatabase [LogPatternDatabase](#)

Methods

Analyze(string[])

分析内存相关问题

```
public List<DetectedIssue> Analyze(string[] lines)
```

Parameters

`lines` [string](#)[]

Returns

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

AnalyzeLine(string, int)

分析单行

```
public List<DetectedIssue> AnalyzeLine(string line, int lineNumber)
```

Parameters

`line` [string](#)

`lineNumber` [int](#)

Returns

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

GenerateMemorySummary(List<DetectedIssue>)

生成内存使用摘要

```
public static string GenerateMemorySummary(List<DetectedIssue> memoryIssues)
```

Parameters

`memoryIssues` [List](#)<[DetectedIssue](#)>

Returns

[string](#)

Class ModConflictAnalyzer

Namespace: [Qomicex.Core.Modules.Helpers.LogAnalysis.Analyzers](#)

Assembly: Qomicex.Core.dll

Mod冲突分析器 检测重复Mod、版本冲突、缺失依赖

```
public class ModConflictAnalyzer
```

Inheritance

[object](#) ← ModConflictAnalyzer

Inherited Members

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

Constructors

ModConflictAnalyzer(LogPatternDatabase)

```
public ModConflictAnalyzer(LogPatternDatabase patternDatabase)
```

Parameters

patternDatabase [LogPatternDatabase](#)

Methods

Analyze(string[])

分析Mod相关冲突

```
public List<DetectedIssue> Analyze(string[] lines)
```

Parameters

`lines` [string](#)[]

Returns

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

AnalyzeLine(string, int)

分析单行

```
public List<DetectedIssue> AnalyzeLine(string line, int lineNumber)
```

Parameters

`line` [string](#)

`lineNumber` [int](#)

Returns

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

ExtractConflictSummary(List<DetectedIssue>)

提取Mod冲突摘要信息

```
public static string ExtractConflictSummary(List<DetectedIssue> issues)
```

Parameters

`issues` [List](#)<[DetectedIssue](#)>

Returns

[string](#)

Namespace Qomicex.Core.Modules.Helpers. LogAnalysis.Models

Classes

[DetectedIssue](#)

检测到的问题

[LogAnalysisResult](#)

日志分析结果

[ModInfo](#)

Mod信息

[SuggestedSolution](#)

建议的解决方案

Enums

[IssueCategory](#)

问题分类枚举

[IssueSeverity](#)

问题严重级别枚举

Class DetectedIssue

Namespace: [Qomicex.Core.Modules.Helpers.LogAnalysis.Models](#)

Assembly: Qomicex.Core.dll

检测到的问题

```
public class DetectedIssue
```

Inheritance

[object](#) ← DetectedIssue

Inherited Members

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

Extension Methods

[DetectedIssueExtensions.GetStackTraceContext\(DetectedIssue\)](#) ,
[DetectedIssueExtensions.SetStackTraceContext\(DetectedIssue, List<string>\)](#).

Properties

CapturedGroups

正则捕获组

```
public Dictionary<string, string> CapturedGroups { get; set; }
```

Property Value

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

Category

问题分类

```
public IssueCategory Category { get; set; }
```

Property Value

[IssueCategory](#)

LineNumber

在日志中的行号

```
public int LineNumber { get; set; }
```

Property Value

[int](#)

MatchedText

匹配的原始文本

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

Property Value

[string](#)

Name

问题名称 (本地化)

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

Property Value

[string](#)

PatternId

错误模式ID

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

Property Value

[string](#)

Severity

严重级别

```
public IssueSeverity Severity { get; set; }
```

Property Value

[IssueSeverity](#)

Solutions

建议的解决方案

```
public List<SuggestedSolution> Solutions { get; set; }
```

Property Value

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

Enum IssueCategory

Namespace: [Qomicex.Core.Modules.Helpers.LogAnalysis.Models](#)

Assembly: Qomicex.Core.dll

问题分类枚举

```
public enum IssueCategory
```

Fields

JavaRelated = 2

Java相关问题

Memory = 0

内存问题

ModConflict = 1

Mod冲突

Performance = 4

性能问题

Resource = 3

资源问题

Unknown = 5

未知问题

Enum IssueSeverity

Namespace: [Qomicex.Core.Modules.Helpers.LogAnalysis.Models](#)

Assembly: Qomicex.Core.dll

问题严重级别枚举

```
public enum IssueSeverity
```

Fields

Critical = 0

严重 (无法启动/立即崩溃)

Error = 1

错误 (功能异常)

Info = 3

信息

Warning = 2

警告 (潜在问题)

Class LogAnalysisResult

Namespace: [Qomicex.Core.Modules.Helpers.LogAnalysis.Models](#)

Assembly: Qomicex.Core.dll

日志分析结果

```
public class LogAnalysisResult
```

Inheritance

[object](#) ← LogAnalysisResult

Inherited Members

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

Properties

AnalysisTime

分析执行时间

```
public DateTime AnalysisTime { get; set; }
```

Property Value

[DateTime](#)

CrashTime

崩溃发生时间 (从文件名或日志内容提取)

```
public DateTime CrashTime { get; set; }
```

Property Value

[DateTime](#)

ErrorMessage

分析过程中的错误信息

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

Property Value

[string](#)

FilePath

分析的文件路径

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

Property Value

[string](#)

IsGameCrashed

是否检测到游戏崩溃

```
public bool IsGameCrashed { get; set; }
```

Property Value

[bool](#)

IsSuccess

分析是否成功完成

```
public bool IsSuccess { get; set; }
```

Property Value

[bool](#)

Issues

检测到的问题列表

```
public List<DetectedIssue> Issues { get; set; }
```

Property Value

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

LoadedMods

加载的Mod列表

```
public List<ModInfo> LoadedMods { get; set; }
```

Property Value

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

MinecraftVersion

Minecraft版本

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

Property Value

[string](#)

ModLoader

Mod加载器类型 (Forge/Fabric/Quilt等)

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

Property Value

[string](#)

RawLogExcerpt

原始日志摘录 (前100行关键内容)

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

Property Value

[string](#)

StackTrace

异常堆栈追踪

```
public List<string> StackTrace { get; set; }
```

Property Value

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

Class ModInfo

Namespace: [Qomicex.Core.Modules.Helpers.LogAnalysis.Models](#)

Assembly: Qomicex.Core.dll

Mod信息

```
public class ModInfo
```

Inheritance

[object](#) ← ModInfo

Inherited Members

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

Properties

FileName

文件名

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

Property Value

[string](#)

Id

Mod ID

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

Property Value

[string](#) ↗

Name

Mod名称

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

Property Value

[string](#) ↗

Version

Mod版本

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

Property Value

[string](#) ↗

Class SuggestedSolution

Namespace: [Qomicex.Core.Modules.Helpers.LogAnalysis.Models](#)

Assembly: Qomicex.Core.dll

建议的解决方案

```
public class SuggestedSolution
```

Inheritance

[object](#) ← SuggestedSolution

Inherited Members

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

Properties

ActionType

操作类型标识

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

Property Value

[string](#)

Description

解决方案描述（已填充变量）

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

Property Value

[string](#)

Parameters

操作参数

```
public Dictionary<string, object> Parameters { get; set; }
```

Property Value

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

Priority

优先级 (数字越小优先级越高)

```
public int Priority { get; set; }
```

Property Value

[int](#)

Namespace Qomicex.Core.Modules.Helpers. LogAnalysis.Patterns

Classes

[ErrorPattern](#)

错误模式定义

[I18nInfo](#)

国际化信息

[LogPatternDatabase](#)

日志错误模式数据库

[PatternMatchResult](#)

模式匹配结果

[PatternSolution](#)

模式解决方案

Class ErrorPattern

Namespace: [Qomicex.Core.Modules.Helpers.LogAnalysis.Patterns](#)

Assembly: Qomicex.Core.dll

错误模式定义

```
public class ErrorPattern
```

Inheritance

[object](#) ← ErrorPattern

Inherited Members

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

Properties

Category

```
public IssueCategory Category { get; set; }
```

Property Value

[IssueCategory](#)

CompiledRegexes

```
public List<Regex> CompiledRegexes { get; set; }
```

Property Value

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

I18nNames

```
public Dictionary<string, I18nInfo> I18nNames { get; set; }
```

Property Value

[Dictionary](#) <[string](#), [I18nInfo](#)>

Id

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

Property Value

[string](#)

IsUserPattern

```
public bool IsUserPattern { get; set; }
```

Property Value

[bool](#)

RegexPatterns

```
public List<string> RegexPatterns { get; set; }
```

Property Value

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

Severity

```
public IssueSeverity Severity { get; set; }
```

Property Value

[IssueSeverity](#)

Solutions

```
public List<PatternSolution> Solutions { get; set; }
```

Property Value

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

Class I18nInfo

Namespace: [Qomicex.Core.Modules.Helpers.LogAnalysis.Patterns](#)

Assembly: Qomicex.Core.dll

国际化信息

```
public class I18nInfo
```

Inheritance

[object](#) ↗ ← I18nInfo

Inherited Members

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

Properties

Description

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

Property Value

[string](#) ↗

Name

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

Property Value

[string](#) ↗

Class LogPatternDatabase

Namespace: [Qomicex.Core.Modules.Helpers.LogAnalysis.Patterns](#)

Assembly: Qomicex.Core.dll

日志错误模式数据库

```
public class LogPatternDatabase
```

Inheritance

[object](#) ← LogPatternDatabase

Inherited Members

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

Constructors

LogPatternDatabase(string)

初始化模式数据库

```
public LogPatternDatabase(string externalConfigPath = "")
```

Parameters

externalConfigPath [string](#)

外部配置文件路径 (可选, 用于用户自定义模式)

Methods

GetAllPatterns()

获取所有模式

```
public IReadOnlyList<ErrorPattern> GetAllPatterns()
```

Returns

[IReadOnlyList](#)<ErrorPattern>

GetLocalizedDescription(ErrorPattern, string)

获取本地化描述

```
public string GetLocalizedDescription(ErrorPattern pattern, string language = "zh")
```

Parameters

pattern [ErrorPattern](#)

language [string](#)

Returns

[string](#)

GetLocalizedName(ErrorPattern, string)

获取本地化名称

```
public string GetLocalizedName(ErrorPattern pattern, string language = "zh")
```

Parameters

pattern [ErrorPattern](#)

language [string](#)

Returns

[string](#)

GetPatternById(string)

根据ID查找模式

```
public ErrorPattern? GetPatternById(string id)
```

Parameters

`id` [string](#)

Returns

[ErrorPattern](#)

LoadPatterns()

加载所有错误模式

```
public void LoadPatterns()
```

MatchPatterns(string, int)

匹配文本中的所有错误模式

```
public List<PatternMatchResult> MatchPatterns(string text, int lineNumber = 0)
```

Parameters

`text` [string](#)

`lineNumber` [int](#)

Returns

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

Class PatternMatchResult

Namespace: [Qomicex.Core.Modules.Helpers.LogAnalysis.Patterns](#)

Assembly: Qomicex.Core.dll

模式匹配结果

```
public class PatternMatchResult
```

Inheritance

[object](#) ← PatternMatchResult

Inherited Members

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

Properties

CapturedGroups

```
public Dictionary<string, string> CapturedGroups { get; set; }
```

Property Value

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

LineNumber

```
public int LineNumber { get; set; }
```

Property Value

[int](#)

MatchedText

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

Property Value

[string](#) ↗

Pattern

```
public ErrorPattern Pattern { get; set; }
```

Property Value

[ErrorPattern](#)

Class PatternSolution

Namespace: [Qomicex.Core.Modules.Helpers.LogAnalysis.Patterns](#)

Assembly: Qomicex.Core.dll

模式解决方案

```
public class PatternSolution
```

Inheritance

[object](#) ← PatternSolution

Inherited Members

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

Properties

ActionType

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

Property Value

[string](#)

Description

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

Property Value

[string](#)

Parameters

```
public Dictionary<string, object> Parameters { get; set; }
```

Property Value

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

Priority

```
public int Priority { get; set; }
```

Property Value

[int](#)

Namespace Qomicex.Core.Modules.Helpers. MultiPlatforms

Classes

[SystemMemoryHelper](#)

Class SystemMemoryHelper

Namespace: [Qomicex.Core.Modules.Helpers.MultiPlatforms](#)

Assembly: Qomicex.Core.dll

```
public class SystemMemoryHelper
```

Inheritance

[object](#) ← SystemMemoryHelper

Inherited Members

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

Methods

GetAvailablePhysicalMemory()

Retrieves the amount of available physical memory on the current system, in bytes.

```
public static long GetAvailablePhysicalMemory()
```

Returns

[long](#)

The number of bytes of available physical memory. Returns -1 if the operating system is not supported or the value cannot be determined.

Remarks

This method supports Windows, Linux, and macOS platforms. On unsupported platforms, the method returns -1. The returned value may fluctuate rapidly as system memory usage changes.

GetOptimalMemory(double)

获取系统可用内存的指定百分比 (单位: MB)

```
public static long GetOptimalMemory(double percentage = 0.6)
```

Parameters

percentage [double](#)

使用比例, 默认 0.6

Returns

[long](#)

MB, 失败返回 -1

GetTotalPhysicalMemory()

```
public static long GetTotalPhysicalMemory()
```

Returns

[long](#)

Namespace Qomicex.Core.Modules.Helpers.Resources

Classes

[GameResourceHelper](#)

[GameResourceHelper.VersionInfo](#)

[LocalResourceHelper](#)

[LocalResourceHelper.DownloadSource](#)

[LocalResourceHelper.LibInfo](#)

[LocalResourceHelper.MissFileData](#)

[ModLoaderResourceHelper](#)

[ModLoaderResourceHelper.DownloadSource](#)

[ModLoaderResourceHelper.LiteloaderVersionInfo](#)

[ModLoaderResourceHelper.ModLoaderInfo](#)

[ModLoaderResourceHelper.NeoForgeVersionInfo](#)

NeoForge版本信息模型

[ModLoaderResourceHelper.OptifineVersionInfo](#)

Enums

[LocalResourceHelper.DownloadSources](#)

[ModLoaderResourceHelper.DownloadSources](#)

[ModLoaderResourceHelper.ModLoaderType](#)

Class GameResourceHelper

Namespace: [Qomicex.Core.Modules.Helpers.Resources](#)

Assembly: Qomicex.Core.dll

```
public class GameResourceHelper
```

Inheritance

[object](#) ← GameResourceHelper

Inherited Members

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

Constructors

GameResourceHelper()

```
public GameResourceHelper()
```

Methods

GetMinecraftListAsync(int)

```
public Task<List<GameResourceHelper.VersionInfo>> GetMinecraftListAsync(int source = 1)
```

Parameters

source [int](#)

Returns

[Task](#)<[List](#)<[GameResourceHelper](#).[VersionInfo](#)>>

GetMinecraftVersionManifest(int)

```
public Task<dynamic?> GetMinecraftVersionManifest(int DownloadScore = 1)
```

Parameters

DownloadScore [int](#)

Returns

[Task](#) <dynamic>

ParseVersionList(dynamic)

```
public List<GameResourceHelper.VersionInfo> ParseVersionList(dynamic versionManifest)
```

Parameters

versionManifest dynamic

Returns

[List](#) <[GameResourceHelper.VersionInfo](#)>

Class GameResourceHelper.VersionInfo

Namespace: [Qomicex.Core.Modules.Helpers.Resources](#)

Assembly: Qomicex.Core.dll

```
public class GameResourceHelper.VersionInfo
```

Inheritance

[object](#) ← GameResourceHelper.VersionInfo

Inherited Members

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

Properties

Id

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

Property Value

[string](#)

ReleaseTime

```
public DateTime ReleaseTime { get; set; }
```

Property Value

[DateTime](#)

Type

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

Property Value

[string](#) ↗

Url

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

Property Value

[string](#) ↗

Class LocalResourceHelper

Namespace: [Qomicex.Core.Modules.Helpers.Resources](#)

Assembly: Qomicex.Core.dll

```
public class LocalResourceHelper
```

Inheritance

[object](#) ← LocalResourceHelper

Inherited Members

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

Methods

GetAllMissFilesAsync(string, string)

```
public Task<List<LocalResourceHelper.MissFileData>> GetAllMissFilesAsync(string version,  
                                string gameDir)
```

Parameters

version [string](#)

gameDir [string](#)

Returns

[Task](#)<[List](#)<[LocalResourceHelper.MissFileData](#)>>

GetLibraries(string)

```
public static List<LocalResourceHelper.LibInfo> GetLibraries(string jsonData)
```

Parameters

`jsonData string`

Returns

`List<LocalResourceHelper.LibInfo>`

GetMissAssetsAsync(string, string)

```
public Task<List<LocalResourceHelper.MissFileData>> GetMissAssetsAsync(string version,  
string gameDir)
```

Parameters

`version string`

`gameDir string`

Returns

`Task<List<LocalResourceHelper.MissFileData>>`

GetMissLibrariesAsync(string, string)

```
public Task<List<LocalResourceHelper.MissFileData>> GetMissLibrariesAsync(string version,  
string gameDir)
```

Parameters

`version string`

`gameDir string`

Returns

`Task<List<LocalResourceHelper.MissFileData>>`

GetMissMainJarAsync(string, string)

```
public Task<LocalResourceHelper.MissFileData?> GetMissMainJarAsync(string version,  
string gameDir)
```

Parameters

version [string](#)

gameDir [string](#)

Returns

[Task](#)<[LocalResourceHelper.MissFileData](#)>

MavenToPath(string)

```
public static string MavenToPath(string maven)
```

Parameters

maven [string](#)

Returns

[string](#)

SetDownloadSource(int)

```
public void SetDownloadSource(int source)
```

Parameters

source [int](#)

Class LocalResourceHelper.DownloadSource

Namespace: [Qomicex.Core.Modules.Helpers.Resources](#)

Assembly: Qomicex.Core.dll

```
public class LocalResourceHelper.DownloadSource
```

Inheritance

[object](#) ← LocalResourceHelper.DownloadSource

Inherited Members

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

Fields

assetsIndexSource

```
public string assetsIndexSource
```

Field Value

[string](#)

assetsSource

```
public string assetsSource
```

Field Value

[string](#)

librariesSource

```
public string librariesSource
```

Field Value

[string](#) ↗

mainJarSource

```
public string mainJarSource
```

Field Value

[string](#) ↗

Enum LocalResourceHelper.DownloadSources

Namespace: [Qomicex.Core.Modules.Helpers.Resources](#)

Assembly: Qomicex.Core.dll

```
public enum LocalResourceHelper.DownloadSources
```

Fields

BMCLAPI = 1

Mojang = 0

Class LocalResourceHelper.LibInfo

Namespace: [Qomicex.Core.Modules.Helpers.Resources](#)

Assembly: Qomicex.Core.dll

```
public class LocalResourceHelper.LibInfo
```

Inheritance

[object](#) ← LocalResourceHelper.LibInfo

Inherited Members

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

Fields

Hash

```
public string Hash
```

Field Value

[string](#)

IsCpLib

```
public bool IsCpLib
```

Field Value

[bool](#)

IsNativesLib

```
public bool IsNativesLib
```

Field Value

[bool](#)

Url

```
public string Url
```

Field Value

[string](#)

Properties

FullName

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

Property Value

[string](#)

Name

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

Property Value

[string](#)

Path

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

Property Value

[string](#)

Version

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

Property Value

[string](#)

Methods

NameExists(string)

```
public bool NameExists(string Name)
```

Parameters

Name [string](#)

Returns

[bool](#)

PathExists(string)

```
public bool PathExists(string Path)
```

Parameters

Path [string](#)

Returns

[bool](#)

Class LocalResourceHelper.MissFileData

Namespace: [Qomicex.Core.Modules.Helpers.Resources](#)

Assembly: Qomicex.Core.dll

```
public class LocalResourceHelper.MissFileData
```

Inheritance

[object](#) ← LocalResourceHelper.MissFileData

Inherited Members

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

Fields

Name

```
public string Name
```

Field Value

[string](#)

Path

```
public string Path
```

Field Value

[string](#)

Sha1

```
public string Sha1
```

Field Value

[string](#) ↗

Url

```
public string Url
```

Field Value

[string](#) ↗

Class ModLoaderResourceHelper

Namespace: [Qomicex.Core.Modules.Helpers.Resources](#)

Assembly: Qomicex.Core.dll

```
public class ModLoaderResourceHelper
```

Inheritance

[object](#) ← ModLoaderResourceHelper

Inherited Members

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

Constructors

ModLoaderResourceHelper(int)

```
public ModLoaderResourceHelper(int downloadSourceId = 0)
```

Parameters

downloadSourceId [int](#)

Methods

GetAvailableModLoaders(string, ModLoaderType)

```
public Task<List<ModLoaderResourceHelper.ModLoaderInfo>> GetAvailableModLoaders(string  
minecraftVersion, ModLoaderResourceHelper.ModLoaderType modLoaderType = ModLoaderType.All)
```

Parameters

minecraftVersion [string](#)

modLoaderType [ModLoaderResourceHelper.ModLoaderType](#)

Returns

[Task](#) <[List](#) <[ModLoaderResourceHelper.ModLoaderInfo](#)> >

SetDownloadSource(int)

public ModLoaderResourceHelper.DownloadSource [SetDownloadSource\(int sourceId\)](#)

Parameters

sourceId [int](#)

Returns

[ModLoaderResourceHelper.DownloadSource](#)

Class

ModLoaderResourceHelper.DownloadSource

Namespace: [Qomicex.Core.Modules.Helpers.Resources](#)

Assembly: Qomicex.Core.dll

```
public class ModLoaderResourceHelper.DownloadSource
```

Inheritance

[object](#) ← ModLoaderResourceHelper.DownloadSource

Inherited Members

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

Fields

assetsIndexSource

```
public string assetsIndexSource
```

Field Value

[string](#)

assetsSource

```
public string assetsSource
```

Field Value

[string](#)

librariesSource

```
public string librariesSource
```

Field Value

[string](#) ↗

mainJarSource

```
public string mainJarSource
```

Field Value

[string](#) ↗

Enum ModLoaderResourceHelper.DownloadSource S

Namespace: [Qomicex.Core.Modules.Helpers.Resources](#)

Assembly: Qomicex.Core.dll

```
public enum ModLoaderResourceHelper.DownloadSources
```

Fields

BMCLAPI = 1

Official = 0

Class ModLoaderResourceHelper.LiteloaderVersion Info

Namespace: [Qomicex.Core.Modules.Helpers.Resources](#)

Assembly: Qomicex.Core.dll

```
public class ModLoaderResourceHelper.LiteloaderVersionInfo
```

Inheritance

[object](#) ← ModLoaderResourceHelper.LiteloaderVersionInfo

Inherited Members

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

Properties

Hash

```
[JsonProperty("hash")]
public string Hash { get; set; }
```

Property Value

[string](#)

MinecraftVersion

```
[JsonProperty("mcversion")]
public string MinecraftVersion { get; set; }
```

Property Value

[string ↗](#)

Type

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

Property Value

[string ↗](#)

Version

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

Property Value

[string ↗](#)

Class

ModLoaderResourceHelper.ModLoaderInfo

Namespace: [Qomicex.Core.Modules.Helpers.Resources](#)

Assembly: Qomicex.Core.dll

```
public class ModLoaderResourceHelper.ModLoaderInfo
```

Inheritance

[object](#) ← ModLoaderResourceHelper.ModLoaderInfo

Inherited Members

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

Properties

DownloadUrl

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

Property Value

[string](#)

InstallerFileName

```
public string InstallerFileName { get; }
```

Property Value

[string](#)

IsRecommended

```
public bool IsRecommended { get; set; }
```

Property Value

[bool](#)

MinecraftVersion

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

Property Value

[string](#)

Sha1

```
public string Sha1 { get; set; }
```

Property Value

[string](#)

Type

```
public ModLoaderResourceHelper.ModLoaderType Type { get; set; }
```

Property Value

[ModLoaderResourceHelper.ModLoaderType](#)

Version

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

Property Value

[string](#) ↗

VersionJsonPath

```
public string VersionJsonPath { get; }
```

Property Value

[string](#) ↗

Enum ModLoaderResourceHelper.ModLoaderType

Namespace: [Qomicex.Core.Modules.Helpers.Resources](#)

Assembly: Qomicex.Core.dll

```
public enum ModLoaderResourceHelper.ModLoaderType
```

Fields

All = 0

Fabric = 2

Forge = 1

LiteLoader = 5

NeoForge = 3

Optifine = 6

Quilt = 4

Class ModLoaderResourceHelper.NeoForgeVersion Info

Namespace: [Qomicex.Core.Modules.Helpers.Resources](#)

Assembly: Qomicex.Core.dll

NeoForge版本信息模型

```
public class ModLoaderResourceHelper.NeoForgeVersionInfo
```

Inheritance

[object](#) ← ModLoaderResourceHelper.NeoForgeVersionInfo

Inherited Members

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

Properties

InstallerPath

```
[JsonProperty("installerPath")]
public string InstallerPath { get; set; }
```

Property Value

[string](#)

MinecraftVersion

```
[JsonProperty("mcversion")]
public string MinecraftVersion { get; set; }
```

Property Value

[string](#) ↗

RawVersion

```
[JsonProperty("rawVersion")]
public string RawVersion { get; set; }
```

Property Value

[string](#) ↗

Version

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

Property Value

[string](#) ↗

Class ModLoaderResourceHelper.OptifineVersionIn fo

Namespace: [Qomicex.Core.Modules.Helpers.Resources](#)

Assembly: Qomicex.Core.dll

```
public class ModLoaderResourceHelper.OptifineVersionInfo
```

Inheritance

[object](#) ← ModLoaderResourceHelper.OptifineVersionInfo

Inherited Members

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

Properties

Filename

```
[JsonProperty("filename")]
public string Filename { get; set; }
```

Property Value

[string](#)

Forge

```
[JsonProperty("forge")]
public string Forge { get; set; }
```

Property Value

[string](#)

MinecraftVersion

```
[JsonProperty("mcversion")]
public string MinecraftVersion { get; set; }
```

Property Value

[string](#)

Patch

```
[JsonProperty("patch")]
public string Patch { get; set; }
```

Property Value

[string](#)

Type

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

Property Value

[string](#)

Namespace Qomicex.Core.Modules.Helpers.Resources.Expansion.CurseForge

Classes

[CurseForgeBase](#)

[CurseForgeBase.AuthorMeta](#)

[CurseForgeBase.CategoryMeta](#)

[CurseForgeBase.CurseForgeDependenciesMeta](#)

[CurseForgeBase.CurseForgeFilesMeta](#)

[CurseForgeBase.CurseForgeInfo](#)

[CurseForgeBase.CurseForgeSearchResult](#)

[CurseForgeBase.ModLoaderType](#)

[CurseForgeBase.ScreenshotsMeta](#)

[DataPacks](#)

[Modpacks](#)

[Mods](#)

[ResourcePacks](#)

[Shaders](#)

[Worlds](#)

Enums

[CurseForgeBase.SortField](#)

[DataPacks.Category](#)

[Modpacks.Category](#)

[Mods.Category](#)

[ResourcePacks.Category](#)

[Shaders.Category](#)

[Worlds.Category](#)

Class CurseForgeBase

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.CurseForge](#)

Assembly: Qomicex.Core.dll

```
public class CurseForgeBase
```

Inheritance

[object](#) ← CurseForgeBase

Derived

[DataPacks](#), [Modpacks](#), [Mods](#), [ResourcePacks](#), [Shaders](#), [Worlds](#)

Inherited Members

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

Constructors

CurseForgeBase(string, string, string)

```
public CurseForgeBase(string ApiKey, string SearchUrl, string ModURL)
```

Parameters

ApiKey [string](#)

SearchUrl [string](#)

ModURL [string](#)

Methods

GetDownloadUrl(string, string)

获取指定资源的下载链接

```
public string GetDownloadUrl(string Id, string FileId)
```

Parameters

[Id](#) [string](#)

[FileId](#) [string](#)

Returns

[string](#)

Exceptions

[ArgumentNullException](#)

[Exception](#)

GetDownloadUrlAsync(string, string)

异步获取指定资源的下载链接

```
public Task<string> GetDownloadUrlAsync(string Id, string FileId)
```

Parameters

[Id](#) [string](#)

[FileId](#) [string](#)

Returns

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

Exceptions

[ArgumentNullException](#)

[Exception](#)

Class CurseForgeBase.AuthorMeta

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.CurseForge](#)

Assembly: Qomicex.Core.dll

```
public class CurseForgeBase.AuthorMeta
```

Inheritance

[object](#) ← CurseForgeBase.AuthorMeta

Inherited Members

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

Properties

Id

```
[JsonProperty("id")]
public string Id { get; set; }
```

Property Value

[string](#)

Name

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

Property Value

[string](#)

Url

```
[JsonProperty("url")]
public string Url { get; set; }
```

Property Value

[string](#) ↗

Class CurseForgeBase.CategoryMeta

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.CurseForge](#)

Assembly: Qomicex.Core.dll

```
public class CurseForgeBase.CategoryMeta
```

Inheritance

[object](#) ← CurseForgeBase.CategoryMeta

Inherited Members

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

Properties

Id

```
[JsonProperty("id")]
public int Id { get; set; }
```

Property Value

[int](#)

Name

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

Property Value

[string](#)

Slug

```
[JsonProperty("slug")]
public string Slug { get; set; }
```

Property Value

[string](#) ↗

Url

```
[JsonProperty("url")]
public string Url { get; set; }
```

Property Value

[string](#) ↗

Class CurseForgeBase.CurseForgeDependenciesMeta

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.CurseForge](#)

Assembly: Qomicex.Core.dll

```
public class CurseForgeBase.CurseForgeDependenciesMeta
```

Inheritance

[object](#) ← CurseForgeBase.CurseForgeDependenciesMeta

Inherited Members

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

Properties

Id

```
[JsonProperty("modId")]
public int Id { get; set; }
```

Property Value

[int](#)

Type

```
[JsonProperty("relationType")]
public int Type { get; set; }
```

Property Value

int ↗

Class CurseForgeBase.CurseForgeFilesMeta

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.CurseForge](#)

Assembly: Qomicex.Core.dll

```
public class CurseForgeBase.CurseForgeFilesMeta
```

Inheritance

[object](#) ← CurseForgeBase.CurseForgeFilesMeta

Inherited Members

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

Properties

FileId

```
[JsonProperty("fileId")]
public string FileId { get; set; }
```

Property Value

[string](#)

FileName

```
[JsonProperty("fileName")]
public string FileName { get; set; }
```

Property Value

[string](#)

GameVersion

```
[JsonProperty("gameVersion")]
public string GameVersion { get; set; }
```

Property Value

[string](#) ↗

ModLoader

```
[JsonProperty("modLoader")]
public int ModLoader { get; set; }
```

Property Value

[int](#) ↗

releaseType

```
[JsonProperty("releaseType")]
public int releaseType { get; set; }
```

Property Value

[int](#) ↗

Class CurseForgeBase.CurseForgeInfo

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.CurseForge](#)

Assembly: Qomicex.Core.dll

```
public class CurseForgeBase.CurseForgeInfo
```

Inheritance

[object](#) ← CurseForgeBase.CurseForgeInfo

Inherited Members

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

Properties

Authors

```
[JsonProperty("authors")]
public List<CurseForgeBase.AuthorMeta> Authors { get; set; }
```

Property Value

[List](#) <[CurseForgeBase.AuthorMeta](#)>

Categories

```
[JsonProperty("categories")]
public List<CurseForgeBase.CategoryMeta> Categories { get; set; }
```

Property Value

[List](#) <[CurseForgeBase.CategoryMeta](#)>

Dependencies

```
public List<CurseForgeBase.CurseForgeDependenciesMeta> Dependencies { get; set; }
```

Property Value

[List](#) <[CurseForgeBase.CurseForgeDependenciesMeta](#)>

DownloadCount

```
[JsonProperty("downloadCount")]
public int DownloadCount { get; set; }
```

Property Value

[int](#)

Files

```
[JsonProperty("latestFilesIndexes")]
public List<CurseForgeBase.CurseForgeFilesMeta> Files { get; set; }
```

Property Value

[List](#) <[CurseForgeBase.CurseForgeFilesMeta](#)>

IconUrl

```
[JsonProperty("iconUrl")]
public string IconUrl { get; set; }
```

Property Value

[string](#)

Id

```
[JsonProperty("id")]
public string Id { get; set; }
```

Property Value

[string](#)

IsFeatured

```
[JsonProperty("isFeatured")]
public bool IsFeatured { get; set; }
```

Property Value

[bool](#)

Name

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

Property Value

[string](#)

Screenshots

```
[JsonProperty("screenshots")]
public List<CurseForgeBase.ScreenshotsMeta> Screenshots { get; set; }
```

Property Value

[List](#) <[CurseForgeBase.ScreenshotsMeta](#)>

Slug

```
[JsonProperty("slug")]
public string Slug { get; set; }
```

Property Value

[string](#) ↗

Status

```
[JsonProperty("status")]
public int Status { get; set; }
```

Property Value

[int](#) ↗

Summary

```
[JsonProperty("summary")]
public string Summary { get; set; }
```

Property Value

[string](#) ↗

Class

CurseForgeBase.CurseForgeSearchResult

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.CurseForge](#)

Assembly: Qomicex.Core.dll

```
public class CurseForgeBase.CurseForgeSearchResult
```

Inheritance

[object](#) ← CurseForgeBase.CurseForgeSearchResult

Inherited Members

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

Properties

Authors

```
public List<CurseForgeBase.AuthorMeta> Authors { get; set; }
```

Property Value

[List](#) <[CurseForgeBase.AuthorMeta](#)>

Categories

```
public List<CurseForgeBase.CategoryMeta> Categories { get; set; }
```

Property Value

[List](#) <[CurseForgeBase.CategoryMeta](#)>

DownloadCount

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

Property Value

[string](#)

GameVersion

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

Property Value

[string](#)

IconUrl

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

Property Value

[string](#)

Id

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

Property Value

[string](#)

IsFeatured

```
public bool IsFeatured { get; set; }
```

Property Value

[bool](#)

Name

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

Property Value

[string](#)

Screenshots

```
public List<CurseForgeBase.ScreenshotsMeta> Screenshots { get; set; }
```

Property Value

[List](#)<[CurseForgeBase.ScreenshotsMeta](#)>

Slug

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

Property Value

[string](#)

Status

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

Property Value

[string](#) ↗

Summary

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

Property Value

[string](#) ↗

Class CurseForgeBase.ModLoaderType

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.CurseForge](#)

Assembly: Qomicex.Core.dll

```
public static class CurseForgeBase.ModLoaderType
```

Inheritance

[object](#) ← CurseForgeBase.ModLoaderType

Inherited Members

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

Fields

All

```
public static readonly List<string> All
```

Field Value

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

Any

```
public const string Any = "Any"
```

Field Value

[string](#)

Fabric

```
public const string Fabric = "Fabric"
```

Field Value

[string](#)

Forge

```
public const string Forge = "Forge"
```

Field Value

[string](#)

LiteLoader

```
public const string LiteLoader = "LiteLoader"
```

Field Value

[string](#)

NeoForge

```
public const string NeoForge = "NeoForge"
```

Field Value

[string](#)

Quilt

```
public const string Quilt = "Quilt"
```

Field Value

[string](#) ↗

Class CurseForgeBase.ScreenshotsMeta

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.CurseForge](#)

Assembly: Qomicex.Core.dll

```
public class CurseForgeBase.ScreenshotsMeta
```

Inheritance

[object](#) ← CurseForgeBase.ScreenshotsMeta

Inherited Members

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

Properties

Description

```
[JsonProperty("description")]
public string Description { get; set; }
```

Property Value

[string](#)

Id

```
[JsonProperty("id")]
public int Id { get; set; }
```

Property Value

[int](#)

ModId

```
[JsonProperty("modId")]
public int ModId { get; set; }
```

Property Value

[int](#)

ThumbnailUrl

```
[JsonProperty("thumbnailUrl")]
public string ThumbnailUrl { get; set; }
```

Property Value

[string](#)

Title

```
[JsonProperty("title")]
public string Title { get; set; }
```

Property Value

[string](#)

Url

```
[JsonProperty("url")]
public string Url { get; set; }
```

Property Value

[string](#)

Enum CurseForgeBase.SortField

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.CurseForge](#)

Assembly: Qomicex.Core.dll

```
public enum CurseForgeBase.SortField
```

Fields

Author = 5

Category = 7

EarlyAccess = 9

Featured = 1

FeaturedReleased = 10

GameVersion = 8

LastUpdated = 3

Name = 4

Popularity = 2

Rating = 12

ReleasedDate = 11

TotalDownloads = 6

Class DataPacks

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.CurseForge](#)

Assembly: Qomicex.Core.dll

```
public class DataPacks : CurseForgeBase
```

Inheritance

[object](#) ← [CurseForgeBase](#) ← DataPacks

Inherited Members

[CurseForgeBase.GetDownloadUrl\(string, string\)](#) ,
[CurseForgeBase.GetDownloadUrlAsync\(string, string\)](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

DataPacks(string)

```
public DataPacks(string ApiKey)
```

Parameters

ApiKey [string](#)

Methods

GetModInfoAsync(string)

异步获取指定DataPack的详细信息

```
public Task<CurseForgeBase.CurseForgeInfo> GetModInfoAsync(string Id)
```

Parameters

[Id](#) [string](#)

ModId

Returns

[Task](#) <[CurseForgeBase.CurseForgeInfo](#)>

DataPack信息

Exceptions

[ArgumentNullException](#)

[Exception](#)

GetRecommendDataPacks(string?[], int?[], int?, int?, int?)

获取推荐的DataPack列表

```
public Task<List<CurseForgeBase.CurseForgeSearchResult>> GetRecommendDataPacks(string?[] GameVersions, int?[] Categories, int? SortField = 0, int? Page = 1, int? PageSize = 25)
```

Parameters

[GameVersions](#) [string](#)[]

游戏版本

[Categories](#) [int](#)?[]

分类

[SortField](#) [int](#)?

排序方式

[Page](#) [int](#)?

页数

[PageSize](#) [int](#)?

页面大小

Returns

[Task](#) <[List](#) <[CurseForgeBase.CurseForgeSearchResult](#)>>

结果

SearchAsync(string, string[], int[], int?, int?, int?)

异步搜索CurseForge上的DataPack

```
public Task<List<CurseForgeBase.CurseForgeSearchResult>> SearchAsync(string SearchFilter,  
string[] GameVersions, int[] Categories, int? SortField = 0, int? Page = 1, int? PageSize  
= 25)
```

Parameters

SearchFilter [string](#)

搜索关键词

GameVersions [string](#)[]

游戏版本

Categories [int](#)?[]

分类标签

SortField [int](#)?

排序方式

Page [int](#)?

页数

PageSize [int](#)?

单页搜索结果条目数

Returns

[Task](#) <[List](#)<[CurseForgeBase.CurseForgeSearchResult](#)>>

Exceptions

[ArgumentOutOfRangeException](#)

[Exception](#)

Enum DataPacks.Category

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.CurseForge](#)

Assembly: Qomicex.Core.dll

```
public enum DataPacks.Category
```

Fields

Adventure = 6948

Fantasy = 6949

Library = 6950

Magic = 6952

Miscellaneous = 6947

ModSupport = 6946

Tech = 6951

Utility = 6953

Class Modpacks

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.CurseForge](#)

Assembly: Qomicex.Core.dll

```
public class Modpacks : CurseForgeBase
```

Inheritance

[object](#) ← [CurseForgeBase](#) ← Modpacks

Inherited Members

[CurseForgeBase.GetDownloadUrl\(string, string\)](#) ,
[CurseForgeBase.GetDownloadUrlAsync\(string, string\)](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

Modpacks(string)

```
public Modpacks(string ApiKey)
```

Parameters

ApiKey [string](#)

Methods

GetModInfoAsync(string)

异步获取指定Modpack的详细信息

```
public Task<CurseForgeBase.CurseForgeInfo> GetModInfoAsync(string ModpackId)
```

Parameters

ModpackId [string](#)

ModId

Returns

[Task](#) <[CurseForgeBase.CurseForgeInfo](#)>

Mod信息

Exceptions

[ArgumentNullException](#)

[Exception](#)

GetRecommendModpacks(string?[], int?[], string[]?, int?, int?, int?)

获取推荐的Modpack列表

```
public Task<List<CurseForgeBase.CurseForgeSearchResult>> GetRecommendModpacks(string?[] GameVersions, int?[] Categories, string[]? ModLoaderTypes, int? SortField = 0, int? Page = 1, int? PageSize = 25)
```

Parameters

GameVersions [string](#)[]

游戏版本

Categories [int](#)?[]

分类

ModLoaderTypes [string](#)[]

模组加载器

SortField [int](#)?

排序方式

Page [int](#)?

页数

PageSize [int](#)?

页面大小

Returns

[Task](#) <[List](#) <[CurseForgeBase.CurseForgeSearchResult](#)>>

结果

SearchAsync(string, string[], int[], string[]?, int?, int?, int?)

异步搜索CurseForge上的Modpack

```
public Task<List<CurseForgeBase.CurseForgeSearchResult>> SearchAsync(string SearchFilter,  
string[] GameVersions, int[] Categories, string[]? ModLoaderTypes, int? SortField = 0,  
int? Page = 1, int? PageSize = 25)
```

Parameters

SearchFilter [string](#)

搜索关键词

GameVersions [string](#)[]

游戏版本

Categories [int](#)?[]

分类标签

ModLoaderTypes [string](#)[]

ModLoader类型

SortField [int](#)?

排序方式

Page [int](#)?

页数

PageSize [int](#)?

单页搜索结果条目数

Returns

[Task](#) <[List](#) <[CurseForgeBase.CurseForgeSearchResult](#)>>

Exceptions

[ArgumentOutOfRangeException](#)

[Exception](#)

Enum Modpacks.Category

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.CurseForge](#)

Assembly: Qomicex.Core.dll

```
public enum Modpacks.Category
```

Fields

AdventureAndRpg = 4475

CombatOrPvp = 4483

Exploration = 4476

ExtraLarge = 4482

FtbOfficialPack = 4487

Hardcore = 4479

Horror = 7418

Magic = 4473

MapBased = 4480

MiniGame = 4477

Multiplayer = 4484

Quests = 4478

Sci_fi = 4474

Skyblock = 4736

SmallOrLight = 4481

Tech = 4472

VanillaAdd = 5128

Class Mods

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.CurseForge](#)

Assembly: Qomicex.Core.dll

```
public class Mods : CurseForgeBase
```

Inheritance

[object](#) ← [CurseForgeBase](#) ← Mods

Inherited Members

[CurseForgeBase.GetDownloadUrl\(string, string\)](#) ,
[CurseForgeBase.GetDownloadUrlAsync\(string, string\)](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

Mods(string)

```
public Mods(string ApiKey)
```

Parameters

ApiKey [string](#)

Methods

GetModInfoAsync(string)

异步获取指定Mod的详细信息

```
public Task<CurseForgeBase.CurseForgeInfo> GetModInfoAsync(string ModId)
```

Parameters

`ModId` [string](#)

ModId

Returns

[Task](#) <[CurseForgeBase.CurseForgeInfo](#)>

Mod信息

Exceptions

[ArgumentNullException](#)

[Exception](#)

GetRecommendMods(string?[], int?[], string[]?, int?, int?, int?)

获取推荐的Mod列表

```
public Task<List<CurseForgeBase.CurseForgeSearchResult>> GetRecommendMods(string?[] GameVersions, int?[] Categories, string[]? ModLoaderTypes, int? SortField = 0, int? Page = 1, int? PageSize = 25)
```

Parameters

`GameVersions` [string](#)[]

游戏版本

`Categories` [int](#)?[]

分类

`ModLoaderTypes` [string](#)[]

模组加载器

`SortField` [int](#)?

排序方式

Page [int](#)?

页数

PageSize [int](#)?

页面大小

Returns

[Task](#) <[List](#) <[CurseForgeBase.CurseForgeSearchResult](#)>>

结果

SearchAsync(string, string[], int[], string[]?, int?, int?, int?)

异步搜索CurseForge上的Mod

```
public Task<List<CurseForgeBase.CurseForgeSearchResult>> SearchAsync(string SearchFilter,  
string[] GameVersions, int[] Categories, string[]? ModLoaderTypes, int? SortField = 0,  
int? Page = 1, int? PageSize = 25)
```

Parameters

SearchFilter [string](#)

搜索关键词

GameVersions [string](#)[]

游戏版本

Categories [int](#)?[]

分类标签

ModLoaderTypes [string](#)[]

ModLoader类型

SortField [int](#)?

排序方式

Page [int](#)?

页数

PageSize [int](#)?

单页搜索结果条目数

Returns

[Task](#) <[List](#) <[CurseForgeBase.CurseForgeSearchResult](#)>>

Exceptions

[ArgumentOutOfRangeException](#)

[Exception](#)

Enum Mods.Category

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.CurseForge](#)

Assembly: Qomicex.Core.dll

```
public enum Mods.Category
```

Fields

Addons = 426

AdventureAndRpg = 422

ApiAndLibrary = 421

AppliedEnergistics2 = 4545

ArmorAndToolsAndAndWeapons = 434

Automation = 4843

Biomes = 407

BloodMagic = 4485

BugFixes = 6821

Buildcraft = 432

Cosmetic = 424

CraftTweaker = 4773

Create = 6484

Dimensions = 410

Education = 5299

Energy = 417

EnergyAndFluidAndAndItemTransport = 415

Farming = 416

Food = 436

Forestry = 433

Galacticraft = 5232

Genetics = 418

IndustrialCraft = 429

IntegratedDynamics = 6954

Kubejs = 5314

Magic = 419

MapAndInformation = 423

Mcreator = 4906

Miscellaneous = 425

Mobs = 411

OresAndResources = 408

Performance = 6814

PlayerTransport = 414

Processing = 413

Redstone = 4558

ServerUtility = 435

Skyblock = 6145

Storage = 420

Structures = 409

Technology = 412

ThaumCraft = 430

ThermalExpansion = 427

TinkersConstruct = 428

TwilightForest = 7669

TwitchIntegration = 4671

UtilityAndQol = 5191

WorldGen = 406

Class ResourcePacks

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.CurseForge](#)

Assembly: Qomicex.Core.dll

```
public class ResourcePacks : CurseForgeBase
```

Inheritance

[object](#) ← [CurseForgeBase](#) ← ResourcePacks

Inherited Members

[CurseForgeBase.GetDownloadUrl\(string, string\)](#) ,
[CurseForgeBase.GetDownloadUrlAsync\(string, string\)](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

ResourcePacks(string)

```
public ResourcePacks(string ApiKey)
```

Parameters

ApiKey [string](#)

Methods

GetModInfoAsync(string)

异步获取指定ResourcePack的详细信息

```
public Task<CurseForgeBase.CurseForgeInfo> GetModInfoAsync(string Id)
```

Parameters

[Id](#) [string](#)

ResourcePackId

Returns

[Task](#) <[CurseForgeBase.CurseForgeInfo](#)>

ResourcePack信息

Exceptions

[ArgumentNullException](#)

[Exception](#)

GetRecommendResourcePacks(string?[], int?[], int?, int?, int?)

获取推荐的ResourcePacks列表

```
public Task<List<CurseForgeBase.CurseForgeSearchResult>> GetRecommendResourcePacks(string?[] GameVersions, int?[] Categories, int? SortField = 0, int? Page = 1, int? PageSize = 25)
```

Parameters

[GameVersions](#) [string](#)[]

游戏版本

[Categories](#) [int](#)?[]

分类

[SortField](#) [int](#)?

排序方式

[Page](#) [int](#)?

页数

[PageSize](#) [int](#)?

页面大小

Returns

[Task](#) <[List](#) <[CurseForgeBase.CurseForgeSearchResult](#)>>

结果

SearchAsync(string, string?[], int?[], int?, int?, int?)

异步搜索CurseForge上的ResourcePacks

```
public Task<List<CurseForgeBase.CurseForgeSearchResult>> SearchAsync(string SearchFilter,  
string?[] GameVersions, int?[] Categories, int? SortField = 0, int? Page = 1, int? PageSize  
= 25)
```

Parameters

SearchFilter [string](#)

搜索关键词

GameVersions [string](#)[]

游戏版本

Categories [int](#)?[]

分类标签

SortField [int](#)?

排序方式

Page [int](#)?

页数

PageSize [int](#)?

单页搜索结果条目数

Returns

[Task](#) <[List](#)<[CurseForgeBase.CurseForgeSearchResult](#)>>

Exceptions

[ArgumentOutOfRangeException](#)

[Exception](#)

Enum ResourcePacks.Category

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.CurseForge](#)

Assembly: Qomicex.Core.dll

```
public enum ResourcePacks.Category
```

Fields

Animated = 404

DataPacks = 5193

FontPacks = 5244

Medieval = 402

Miscellaneous = 405

ModSupport = 4465

Modern = 401

PhotoRealistic = 400

Steampunk = 399

Traditional = 403

x128 = 396

x16 = 393

x256 = 397

x32 = 394

x512AndHigher = 398

x64 = 395

Class Shaders

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.CurseForge](#)

Assembly: Qomicex.Core.dll

```
public class Shaders : CurseForgeBase
```

Inheritance

[object](#) ← [CurseForgeBase](#) ← Shaders

Inherited Members

[CurseForgeBase.GetDownloadUrl\(string, string\)](#) ,
[CurseForgeBase.GetDownloadUrlAsync\(string, string\)](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

Shaders(string)

```
public Shaders(string ApiKey)
```

Parameters

ApiKey [string](#)

Methods

GetModInfoAsync(string)

异步获取指定Shaders的详细信息

```
public Task<CurseForgeBase.CurseForgeInfo> GetModInfoAsync(string Id)
```

Parameters

[Id](#) [string](#)

ModId

Returns

[Task](#) <[CurseForgeBase.CurseForgeInfo](#)>

Shaders信息

Exceptions

[ArgumentNullException](#)

[Exception](#)

GetRecommendShaders(string?[], int?[], int?, int?, int?)

获取推荐的Shaders列表

```
public Task<List<CurseForgeBase.CurseForgeSearchResult>> GetRecommendShaders(string?[] GameVersions, int?[] Categories, int? SortField = 0, int? Page = 1, int? PageSize = 25)
```

Parameters

[GameVersions](#) [string](#)[]

游戏版本

[Categories](#) [int](#)?[]

分类

[SortField](#) [int](#)?

排序方式

[Page](#) [int](#)?

页数

[PageSize](#) [int](#)?

页面大小

Returns

[Task](#) <[List](#) <[CurseForgeBase.CurseForgeSearchResult](#)>>

结果

SearchAsync(string, string[], int[], int?, int?, int?)

异步搜索CurseForge上的Shaders

```
public Task<List<CurseForgeBase.CurseForgeSearchResult>> SearchAsync(string SearchFilter,  
string[] GameVersions, int[] Categories, int? SortField = 0, int? Page = 1, int? PageSize  
= 25)
```

Parameters

SearchFilter [string](#)

搜索关键词

GameVersions [string](#)[]

游戏版本

Categories [int](#)?[]

分类标签

SortField [int](#)?

排序方式

Page [int](#)?

页数

PageSize [int](#)?

单页搜索结果条目数

Returns

[Task](#) <[List](#)<[CurseForgeBase.CurseForgeSearchResult](#)>>

Exceptions

[ArgumentOutOfRangeException](#)

[Exception](#)

Enum Shaders.Category

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.CurseForge](#)

Assembly: Qomicex.Core.dll

```
public enum Shaders.Category
```

Fields

Fantasy = 6554

Realistic = 6553

Vanilla = 6555

Class Worlds

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.CurseForge](#)

Assembly: Qomicex.Core.dll

```
public class Worlds : CurseForgeBase
```

Inheritance

[object](#) ← [CurseForgeBase](#) ← Worlds

Inherited Members

[CurseForgeBase.GetDownloadUrl\(string, string\)](#) ,
[CurseForgeBase.GetDownloadUrlAsync\(string, string\)](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Constructors

Worlds(string)

```
public Worlds(string ApiKey)
```

Parameters

ApiKey [string](#)

Methods

GetModInfoAsync(string)

异步获取指定World的详细信息

```
public Task<CurseForgeBase.CurseForgeInfo> GetModInfoAsync(string Id)
```

Parameters

[Id](#) [string](#)

ModId

Returns

[Task](#) <[CurseForgeBase.CurseForgeInfo](#)>

World信息

Exceptions

[ArgumentNullException](#)

[Exception](#)

GetRecommendWorlds(string?[], int?[], int?, int?, int?)

获取推荐的World列表

```
public Task<List<CurseForgeBase.CurseForgeSearchResult>> GetRecommendWorlds(string?[] GameVersions, int?[] Categories, int? SortField = 0, int? Page = 1, int? PageSize = 25)
```

Parameters

[GameVersions](#) [string](#)[]

游戏版本

[Categories](#) [int](#)?[]

分类

[SortField](#) [int](#)?

排序方式

[Page](#) [int](#)?

页数

[PageSize](#) [int](#)?

页面大小

Returns

[Task](#) <[List](#) <[CurseForgeBase.CurseForgeSearchResult](#)>>

结果

SearchAsync(string, string[], int[], int?, int?, int?)

异步搜索CurseForge上的World

```
public Task<List<CurseForgeBase.CurseForgeSearchResult>> SearchAsync(string SearchFilter,  
string[] GameVersions, int[] Categories, int? SortField = 0, int? Page = 1, int? PageSize  
= 25)
```

Parameters

SearchFilter [string](#)

搜索关键词

GameVersions [string](#)[]

游戏版本

Categories [int](#)?[]

分类标签

SortField [int](#)?

排序方式

Page [int](#)?

页数

PageSize [int](#)?

单页搜索结果条目数

Returns

[Task](#) <[List](#)<[CurseForgeBase.CurseForgeSearchResult](#)>>

Exceptions

[ArgumentOutOfRangeException](#)

[Exception](#)

Enum Worlds.Category

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.CurseForge](#)

Assembly: Qomicex.Core.dll

```
public enum Worlds.Category
```

Fields

Adventure = 248

Creation = 249

GameMap = 250

ModdedWorld = 4464

Parkour = 251

Puzzle = 252

Survival = 253

Namespace Qomicex.Core.Modules.Helpers.Resources.Expansion.Modrinth

Classes

[DataPacks](#)

[Modpacks](#)

[ModrinthBase](#)

[ModrinthBase.DependenciesInfo](#)

[ModrinthBase.FileHashes](#)

[ModrinthBase.GalleryItem](#)

表示Modrinth项目画廊中的单个图片项

[ModrinthBase.Index](#)

[ModrinthBase.ModrinthTag](#)

[ModrinthBase.ProjectInfo](#)

[ModrinthBase.ProjectType](#)

[ModrinthBase.ProjectVersionInfo](#)

[ModrinthBase.SearchResult](#)

[ModrinthBase.SearchResultInfo](#)

[ModrinthBase.SupportType](#)

[ModrinthBase.VersionFileInfo](#)

[ModrinthBase.VersionInfo](#)

[ModrinthSourceBase](#)

[Mods](#)

[ResourcePacks](#)

[Shaders](#)

[Worlds](#)

Interfaces

[IModrinthSource](#)

Enums

[ModrinthBase.ModLoaderType](#)

Class DataPacks

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.Modrinth](#)

Assembly: Qomicex.Core.dll

```
public class DataPacks : ModrinthSourceBase, IModrinthSource
```

Inheritance

[object](#) ↴ ← [ModrinthBase](#) ← [ModrinthSourceBase](#) ← DataPacks

Implements

[IModrinthSource](#)

Inherited Members

[ModrinthSourceBase.SearchAsync\(string, string, string\[\], string\[\], string, int, int\)](#) ,
[ModrinthSourceBase.GetProjectInfoAsync\(string\)](#) ,
[ModrinthSourceBase.GetProjectVersionInfoAsync\(string\)](#) ,
[ModrinthSourceBase.GetVersionInfoAsync\(string\)](#) , [ModrinthBase.GetCategoriesAsync\(\)](#) ,
[ModrinthBase.GetLoadersAsync\(\)](#) , [ModrinthBase.GetProjectTypesAsync\(\)](#) ,
[object.Equals\(object\)](#) ↴ , [object.Equals\(object, object\)](#) ↴ , [object.GetHashCode\(\)](#) ↴ ,
[object.GetType\(\)](#) ↴ , [object.MemberwiseClone\(\)](#) ↴ , [object.ReferenceEquals\(object, object\)](#) ↴ ,
[object.ToString\(\)](#) ↴

Properties

ProjectType

```
protected override string ProjectType { get; }
```

Property Value

[string](#) ↴

Interface IModrinthSource

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.Modrinth](#)

Assembly: Qomicex.Core.dll

```
public interface IModrinthSource
```

Methods

GetProjectInfoAsync(string)

```
Task<ModrinthBase.ProjectInfo> GetProjectInfoAsync(string projectId)
```

Parameters

projectId [string](#)

Returns

[Task](#) <[ModrinthBase.ProjectInfo](#)>

GetProjectVersionInfoAsync(string)

```
Task<List<ModrinthBase.ProjectVersionInfo>> GetProjectVersionInfoAsync(string projectId)
```

Parameters

projectId [string](#)

Returns

[Task](#) <[List](#) <[ModrinthBase.ProjectVersionInfo](#)>>

GetVersionInfoAsync(string)

```
Task<ModrinthBase.VersionInfo> GetVersionInfoAsync(string versionId)
```

Parameters

versionId [string](#)

Returns

[Task](#)<[ModrinthBase.VersionInfo](#)>

SearchAsync(string, string, string[]?, string[]?, string, int, int)

```
Task<ModrinthBase.SearchResult> SearchAsync(string searchFilter, string gameVersion,
string[]? categories = null, string[]? loaders = null, string index = "relevance", int page
= 0, int pageSize = 20)
```

Parameters

searchFilter [string](#)

gameVersion [string](#)

categories [string](#)[]

loaders [string](#)[]

index [string](#)

page [int](#)

pageSize [int](#)

Returns

[Task](#)<[ModrinthBase.SearchResult](#)>

Class Modpacks

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.Modrinth](#)

Assembly: Qomicex.Core.dll

```
public class Modpacks : ModrinthSourceBase, IModrinthSource
```

Inheritance

[object](#) ↴ ← [ModrinthBase](#) ← [ModrinthSourceBase](#) ← Modpacks

Implements

[IModrinthSource](#)

Inherited Members

[ModrinthSourceBase.SearchAsync\(string, string, string\[\], string\[\], string, int, int\)](#) ,
[ModrinthSourceBase.GetProjectInfoAsync\(string\)](#) ,
[ModrinthSourceBase.GetProjectVersionInfoAsync\(string\)](#) ,
[ModrinthSourceBase.GetVersionInfoAsync\(string\)](#) , [ModrinthBase.GetCategoriesAsync\(\)](#) ,
[ModrinthBase.GetLoadersAsync\(\)](#) , [ModrinthBase.GetProjectTypesAsync\(\)](#) ,
[object.Equals\(object\)](#) ↴ , [object.Equals\(object, object\)](#) ↴ , [object.GetHashCode\(\)](#) ↴ ,
[object.GetType\(\)](#) ↴ , [object.MemberwiseClone\(\)](#) ↴ , [object.ReferenceEquals\(object, object\)](#) ↴ ,
[object.ToString\(\)](#) ↴

Properties

ProjectType

```
protected override string ProjectType { get; }
```

Property Value

[string](#) ↴

Class ModrinthBase

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.Modrinth](#)

Assembly: Qomicex.Core.dll

```
public class ModrinthBase
```

Inheritance

[object](#) ← ModrinthBase

Derived

[ModrinthSourceBase](#)

Inherited Members

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

Constructors

ModrinthBase()

```
public ModrinthBase()
```

Methods

GetCategoriesAsync()

```
public Task<List<ModrinthBase.ModrinthTag>> GetCategoriesAsync()
```

Returns

[Task](#) <[List](#) <[ModrinthBase.ModrinthTag](#)>>

GetLoadersAsync()

```
public Task<List<ModrinthBase.ModrinthTag>> GetLoadersAsync()
```

Returns

[Task](#) <[List](#) <[ModrinthBase.ModrinthTag](#)>>

GetProjectTypesAsync()

```
public Task<List<ModrinthBase.ModrinthTag>> GetProjectTypesAsync()
```

Returns

[Task](#) <[List](#) <[ModrinthBase.ModrinthTag](#)>>

Class ModrinthBase.DependenciesInfo

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.Modrinth](#)

Assembly: Qomicex.Core.dll

```
public class ModrinthBase.DependenciesInfo
```

Inheritance

[object](#) ← ModrinthBase.DependenciesInfo

Inherited Members

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

Properties

DependencyType

```
[JsonProperty("dependency_type")]
public string DependencyType { get; set; }
```

Property Value

[string](#)

FileName

```
[JsonProperty("file_name")]
public string FileName { get; set; }
```

Property Value

[string](#)

ProjectId

```
[JsonProperty("project_id")]
public string ProjectId { get; set; }
```

Property Value

[string](#) ↗

VersionId

```
[JsonProperty("version_id")]
public string VersionId { get; set; }
```

Property Value

[string](#) ↗

Class ModrinthBase.FileHashes

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.Modrinth](#)

Assembly: Qomicex.Core.dll

```
public class ModrinthBase.FileHashes
```

Inheritance

[object](#) ← ModrinthBase.FileHashes

Inherited Members

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

Properties

Sha1

```
[JsonProperty("sha1")]
public string Sha1 { get; set; }
```

Property Value

[string](#)

Sha512

```
[JsonProperty("sha512")]
public string Sha512 { get; set; }
```

Property Value

[string](#)

Class ModrinthBase.GalleryItem

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.Modrinth](#)

Assembly: Qomicex.Core.dll

表示Modrinth项目画廊中的单个图片项

```
public class ModrinthBase.GalleryItem
```

Inheritance

[object](#) ← ModrinthBase.GalleryItem

Inherited Members

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

Properties

Created

画廊图片的创建日期和时间 (必填, ISO-8601格式)

```
[JsonProperty("created", Required = Required.Always)]  
public DateTime Created { get; set; }
```

Property Value

[DateTime](#)

Description

画廊图片的描述 (可选, 可为null)

```
[JsonProperty("description")]  
public string? Description { get; set; }
```

Property Value

[string](#) ↗

Featured

图片是否在画廊中被标记为精选 (必填)

```
[JsonProperty("featured", Required = Required.Always)]  
public bool Featured { get; set; }
```

Property Value

[bool](#) ↗

Ordering

画廊图片的排序序号。画廊图片将按此字段排序，然后按标题字母顺序排序

```
[JsonProperty("ordering")]  
public int? Ordering { get; set; }
```

Property Value

[int](#) ↗?

Title

画廊图片的标题 (可选，可为null)

```
[JsonProperty("title")]  
public string? Title { get; set; }
```

Property Value

[string](#) ↗

Url

画廊图片的URL (必填)

```
[JsonProperty("url", Required = Required.Always)]  
public string? Url { get; set; }
```

Property Value

[string ↗](#)

Class ModrinthBase.Index

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.Modrinth](#)

Assembly: Qomicex.Core.dll

```
public class ModrinthBase.Index
```

Inheritance

[object](#) ← ModrinthBase.Index

Inherited Members

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

Fields

Downloads

```
public const string Downloads = "downloads"
```

Field Value

[string](#)

Follows

```
public const string Follows = "follows"
```

Field Value

[string](#)

Newest

```
public const string Newest = "newest"
```

Field Value

[string](#) ↗

Relevance

```
public const string Relevance = "relevance"
```

Field Value

[string](#) ↗

Updated

```
public const string Updated = "updated"
```

Field Value

[string](#) ↗

Enum ModrinthBase.ModLoaderType

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.Modrinth](#)

Assembly: Qomicex.Core.dll

```
[JsonConverter(typeof(StringEnumConverter))]  
public enum ModrinthBase.ModLoaderType
```

Fields

fabric = 2

forge = 1

liteLoader = 6

minecraft = 0

modLoader = 7

neoForge = 4

nilloader = 8

ornithe = 9

quilt = 3

rift = 5

Class ModrinthBase.ModrinthTag

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.Modrinth](#)

Assembly: Qomicex.Core.dll

```
public class ModrinthBase.ModrinthTag
```

Inheritance

[object](#) ← ModrinthBase.ModrinthTag

Inherited Members

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

Properties

Description

```
[JsonProperty("description")]
public string Description { get; set; }
```

Property Value

[string](#)

Icon

```
[JsonProperty("icon")]
public string Icon { get; set; }
```

Property Value

[string](#)

IsChecked

```
[JsonProperty("checked")]
public bool IsChecked { get; set; }
```

Property Value

[bool](#)

Name

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

Property Value

[string](#)

StringValue

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

Property Value

[string](#)

Class ModrinthBase.ProjectInfo

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.Modrinth](#)

Assembly: Qomicex.Core.dll

```
public class ModrinthBase.ProjectInfo
```

Inheritance

[object](#) ← ModrinthBase.ProjectInfo

Inherited Members

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

Properties

AdditionalCategories

```
[JsonProperty("additional_categories")]
public List<string> AdditionalCategories { get; set; }
```

Property Value

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

ApprovedAt

```
[JsonProperty("approved")]
public DateTime ApprovedAt { get; set; }
```

Property Value

[DateTime](#)

Categories

```
[JsonProperty("categories")]
public List<string> Categories { get; set; }
```

Property Value

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

ClientSide

```
[JsonProperty("client_side")]
public string ClientSide { get; set; }
```

Property Value

[string](#)

Description

```
[JsonProperty("description")]
public string Description { get; set; }
```

Property Value

[string](#)

DiscordUrl

```
[JsonProperty("discord_url")]
public string DiscordUrl { get; set; }
```

Property Value

[string](#)

DownloadCount

```
[JsonProperty("downloads")]
public int DownloadCount { get; set; }
```

Property Value

[int](#)

FollowCount

```
[JsonProperty("followers")]
public int FollowCount { get; set; }
```

Property Value

[int](#)

FullDescription

```
[JsonProperty("body")]
public string FullDescription { get; set; }
```

Property Value

[string](#)

Gallery

```
[JsonProperty("gallery")]
public List<ModrinthBase.GalleryItem> Gallery { get; set; }
```

Property Value

[List](#) <[ModrinthBase](#).[GalleryItem](#)>

GameVersionIds

```
[JsonProperty("game_versions")]
public List<string> GameVersionIds { get; set; }
```

Property Value

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

IconUrl

```
[JsonProperty("icon_url")]
public string IconUrl { get; set; }
```

Property Value

[string](#)

Id

```
[JsonProperty("id")]
public string Id { get; set; }
```

Property Value

[string](#)

IssuesUrl

```
[JsonProperty("issues_url")]
public string IssuesUrl { get; set; }
```

Property Value

[string](#)

Loaders

```
[JsonProperty("loaders")]
public List<string> Loaders { get; set; }
```

Property Value

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

Name

```
[JsonProperty("title")]
public string Name { get; set; }
```

Property Value

[string](#)

Organization

```
[JsonProperty("organization")]
public string Organization { get; set; }
```

Property Value

[string](#)

PublishAt

```
[JsonProperty("published")]
```

```
public DateTime PublishAt { get; set; }
```

Property Value

[DateTime](#)

ServerSide

```
[JsonProperty("server_side")]
public string ServerSide { get; set; }
```

Property Value

[string](#)

Slug

```
[JsonProperty("slug")]
public string Slug { get; set; }
```

Property Value

[string](#)

SourceUrl

```
[JsonProperty("source_url")]
public string SourceUrl { get; set; }
```

Property Value

[string](#)

Team

```
[JsonProperty("team")]
public string Team { get; set; }
```

Property Value

[string](#)

Type

```
[JsonProperty("project_type")]
public string Type { get; set; }
```

Property Value

[string](#)

UpdatedAt

```
[JsonProperty("updated")]
public DateTime UpdatedAt { get; set; }
```

Property Value

[DateTime](#)

Versions

```
[JsonProperty("versions")]
public List<string> Versions { get; set; }
```

Property Value

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

WikiUrl

```
[JsonProperty("wiki_url")]
public string WikiUrl { get; set; }
```

Property Value

[string](#) ↗

Class ModrinthBase.ProjectType

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.Modrinth](#)

Assembly: Qomicex.Core.dll

```
public static class ModrinthBase.ProjectType
```

Inheritance

[object](#) ← ModrinthBase.ProjectType

Inherited Members

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

Fields

Datapack

```
public const string Datapack = "datapack"
```

Field Value

[string](#)

Mod

```
public const string Mod = "mod"
```

Field Value

[string](#)

Modpack

```
public const string Modpack = "modpack"
```

Field Value

[string](#) ↗

ResourcePack

```
public const string ResourcePack = "resourcepack"
```

Field Value

[string](#) ↗

Shader

```
public const string Shader = "shader"
```

Field Value

[string](#) ↗

Class ModrinthBase.ProjectVersionInfo

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.Modrinth](#)

Assembly: Qomicex.Core.dll

```
public class ModrinthBase.ProjectVersionInfo
```

Inheritance

[object](#) ← ModrinthBase.ProjectVersionInfo

Inherited Members

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

Properties

Changelog

```
[JsonProperty("changelog")]
public string Changelog { get; set; }
```

Property Value

[string](#)

DependenciesInfos

```
[JsonProperty("dependencies")]
public List<ModrinthBase.DependenciesInfo> DependenciesInfos { get; set; }
```

Property Value

[List](#)<[ModrinthBase.DependenciesInfo](#)>

DownloadCount

```
[JsonProperty("downloads")]
public int DownloadCount { get; set; }
```

Property Value

[int](#)

Files

```
[JsonProperty("files")]
public List<ModrinthBase.VersionFileInfo> Files { get; set; }
```

Property Value

[List](#)<[ModrinthBase.VersionFileInfo](#)>

GameVersionIds

```
[JsonProperty("game_versions")]
public List<string> GameVersionIds { get; set; }
```

Property Value

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

Id

```
[JsonProperty("id")]
public string Id { get; set; }
```

Property Value

[string](#)

Loaders

```
[JsonProperty("loaders")]
public List<string> Loaders { get; set; }
```

Property Value

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

Name

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

Property Value

[string](#)

ProjectId

```
[JsonProperty("project_id")]
public string ProjectId { get; set; }
```

Property Value

[string](#)

PublishedAt

```
[JsonProperty("date_published")]
public DateTime PublishedAt { get; set; }
```

Property Value

VersionNumber

```
[JsonProperty("version_number")]
public string VersionNumber { get; set; }
```

Property Value

[string](#)

VersionType

```
[JsonProperty("version_type")]
public string VersionType { get; set; }
```

Property Value

[string](#)

Class ModrinthBase.SearchResult

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.Modrinth](#)

Assembly: Qomicex.Core.dll

```
public class ModrinthBase.SearchResult
```

Inheritance

[object](#) ← ModrinthBase.SearchResult

Inherited Members

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

Properties

Results

```
[JsonProperty("hits")]
public List<ModrinthBase.SearchResultInfo> Results { get; set; }
```

Property Value

[List](#) <[ModrinthBase.SearchResultInfo](#)>

TotalResults

```
[JsonProperty("total_hits")]
public int TotalResults { get; set; }
```

Property Value

[int](#)

Class ModrinthBase.SearchResultInfo

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.Modrinth](#)

Assembly: Qomicex.Core.dll

```
public class ModrinthBase.SearchResultInfo
```

Inheritance

[object](#) ← ModrinthBase.SearchResultInfo

Inherited Members

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

Properties

Author

```
[JsonProperty("author")]
public string Author { get; set; }
```

Property Value

[string](#)

Categories

```
[JsonProperty("categories")]
public List<string> Categories { get; set; }
```

Property Value

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

ClientSide

```
[JsonProperty("client_side")]
public string ClientSide { get; set; }
```

Property Value

[string](#)

CreatedAt

```
[JsonProperty("date_created")]
public DateTime CreatedAt { get; set; }
```

Property Value

[DateTime](#)

Description

```
[JsonProperty("description")]
public string Description { get; set; }
```

Property Value

[string](#)

DownloadCount

```
[JsonProperty("downloads")]
public int DownloadCount { get; set; }
```

Property Value

[int](#)

FollowCount

```
[JsonProperty("follows")]
public int FollowCount { get; set; }
```

Property Value

[int](#)

FullDescription

```
[JsonProperty("body")]
public string FullDescription { get; set; }
```

Property Value

[string](#)

GalleryUrls

```
[JsonProperty("gallery")]
public List<string> GalleryUrls { get; set; }
```

Property Value

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

IconUrl

```
[JsonProperty("icon_url")]
public string IconUrl { get; set; }
```

Property Value

[string](#)

Id

```
[JsonProperty("project_id")]
public string Id { get; set; }
```

Property Value

[string](#)

License

```
[JsonProperty("license")]
public string License { get; set; }
```

Property Value

[string](#)

Name

```
[JsonProperty("title")]
public string Name { get; set; }
```

Property Value

[string](#)

ServerSide

```
[JsonProperty("server_side")]
public string ServerSide { get; set; }
```

Property Value

[string](#)

Slug

```
[JsonProperty("slug")]
public string Slug { get; set; }
```

Property Value

[string](#)

Tags

```
[JsonProperty("tags")]
public List<string> Tags { get; set; }
```

Property Value

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

Type

```
[JsonProperty("project_type")]
public string Type { get; set; }
```

Property Value

[string](#)

UpdatedAt

```
[JsonProperty("date_modified")]
```

```
public DateTime UpdatedAt { get; set; }
```

Property Value

[DateTime](#)

VersionIds

```
[JsonProperty("versions")]
public List<string> VersionIds { get; set; }
```

Property Value

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

Class ModrinthBase.SupportType

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.Modrinth](#)

Assembly: Qomicex.Core.dll

```
public static class ModrinthBase.SupportType
```

Inheritance

[object](#) ← ModrinthBase.SupportType

Inherited Members

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

Fields

Optional

```
public const string Optional = "optional"
```

Field Value

[string](#)

Required

```
public const string Required = "required"
```

Field Value

[string](#)

Unsupported

```
public const string Unsupported = "unsupported"
```

Field Value

[string](#) ↗

Class ModrinthBase.VersionFileInfo

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.Modrinth](#)

Assembly: Qomicex.Core.dll

```
public class ModrinthBase.VersionFileInfo
```

Inheritance

[object](#) ← ModrinthBase.VersionFileInfo

Inherited Members

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

Properties

DownloadUrl

```
[JsonProperty("url")]
public string DownloadUrl { get; set; }
```

Property Value

[string](#)

FileType

```
[JsonProperty("file_type")]
public string FileType { get; set; }
```

Property Value

[string](#)

Filename

```
[JsonProperty("filename")]
public string Filename { get; set; }
```

Property Value

[string](#) ↗

Hashes

```
[JsonProperty("hashes")]
public ModrinthBase.FileHashes Hashes { get; set; }
```

Property Value

[ModrinthBase.FileHashes](#)

IsPrimary

```
[JsonProperty("primary")]
public bool IsPrimary { get; set; }
```

Property Value

[bool](#) ↗

Size

```
[JsonProperty("size")]
public long Size { get; set; }
```

Property Value

[long](#) ↗

Class ModrinthBase.VersionInfo

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.Modrinth](#)

Assembly: Qomicex.Core.dll

```
public class ModrinthBase.VersionInfo
```

Inheritance

[object](#) ← ModrinthBase.VersionInfo

Inherited Members

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

Properties

ApprovedAt

```
[JsonProperty("approved")]
public DateTime ApprovedAt { get; set; }
```

Property Value

[DateTime](#)

Changelog

```
[JsonProperty("changelog")]
public string Changelog { get; set; }
```

Property Value

[string](#)

DependenciesInfos

```
[JsonProperty("dependencies")]
public List<ModrinthBase.DependenciesInfo> DependenciesInfos { get; set; }
```

Property Value

[List](#) <[ModrinthBase.DependenciesInfo](#)>

DownloadCount

```
[JsonProperty("downloads")]
public int DownloadCount { get; set; }
```

Property Value

[int](#)

Files

```
[JsonProperty("files")]
public List<ModrinthBase.VersionFileInfo> Files { get; set; }
```

Property Value

[List](#) <[ModrinthBase.VersionFileInfo](#)>

GameVersionIds

```
[JsonProperty("game_versions")]
public List<string> GameVersionIds { get; set; }
```

Property Value

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

IconUrl

```
[JsonProperty("icon_url")]
public string IconUrl { get; set; }
```

Property Value

[string](#)

Id

```
[JsonProperty("id")]
public string Id { get; set; }
```

Property Value

[string](#)

Loaders

```
[JsonProperty("loaders")]
public List<string> Loaders { get; set; }
```

Property Value

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

Name

```
[JsonProperty("title")]
public string Name { get; set; }
```

Property Value

[string](#)

ProjectId

```
[JsonProperty("project_id")]
public string ProjectId { get; set; }
```

Property Value

[string](#)

PublishedAt

```
[JsonProperty("published")]
public DateTime PublishedAt { get; set; }
```

Property Value

[DateTime](#)

Slug

```
[JsonProperty("slug")]
public string Slug { get; set; }
```

Property Value

[string](#)

UpdatedAt

```
[JsonProperty("updated")]
public DateTime UpdatedAt { get; set; }
```

Property Value

[DateTime](#)

Versions

```
[JsonProperty("versions")]
public List<string> Versions { get; set; }
```

Property Value

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

Class ModrinthSourceBase

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.Modrinth](#)

Assembly: Qomicex.Core.dll

```
public abstract class ModrinthSourceBase : ModrinthBase, IModrinthSource
```

Inheritance

[object](#) ← [ModrinthBase](#) ← ModrinthSourceBase

Implements

[IModrinthSource](#)

Derived

[DataPacks](#), [Modpacks](#), [Mods](#), [ResourcePacks](#), [Shaders](#), [Worlds](#)

Inherited Members

[ModrinthBase.GetCategoriesAsync\(\)](#), [ModrinthBase.GetLoadersAsync\(\)](#),
[ModrinthBase.GetProjectTypesAsync\(\)](#), [object.Equals\(object\)](#), [object.Equals\(object, object\)](#),
[object.GetHashCode\(\)](#), [object.GetType\(\)](#), [object.MemberwiseClone\(\)](#),
[object.ReferenceEquals\(object, object\)](#), [object.ToString\(\)](#)

Properties

ProjectType

```
protected abstract string ProjectType { get; }
```

Property Value

[string](#)

Methods

GetProjectInfoAsync(string)

```
public Task<ModrinthBase.ProjectInfo> GetProjectInfoAsync(string projectId)
```

Parameters

projectId [string](#)

Returns

[Task](#)<[ModrinthBase.ProjectInfo](#)>

GetProjectVersionInfoAsync(string)

```
public Task<List<ModrinthBase.ProjectVersionInfo>> GetProjectVersionInfoAsync(string projectId)
```

Parameters

projectId [string](#)

Returns

[Task](#)<[List](#)<[ModrinthBase.ProjectVersionInfo](#)>>

GetVersionInfoAsync(string)

```
public Task<ModrinthBase.VersionInfo> GetVersionInfoAsync(string versionId)
```

Parameters

versionId [string](#)

Returns

[Task](#)<[ModrinthBase.VersionInfo](#)>

SearchAsync(string, string, string[]?, string[]?, string, int, int)

```
public Task<ModrinthBase.SearchResult> SearchAsync(string searchFilter, string gameVersion,
string[]? categories = null, string[]? loaders = null, string index = "relevance", int page
= 0, int pageSize = 20)
```

Parameters

searchFilter [string](#)

gameVersion [string](#)

categories [string](#)[]

loaders [string](#)[]

index [string](#)

page [int](#)

pageSize [int](#)

Returns

[Task](#)<[ModrinthBase.SearchResult](#)>

Class Mods

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.Modrinth](#)

Assembly: Qomicex.Core.dll

```
public class Mods : ModrinthSourceBase, IModrinthSource
```

Inheritance

[object](#) ↴ ← [ModrinthBase](#) ← [ModrinthSourceBase](#) ← Mods

Implements

[IModrinthSource](#)

Inherited Members

[ModrinthSourceBase.SearchAsync\(string, string, string\[\], string\[\], string, int, int\)](#) ,
[ModrinthSourceBase.GetProjectInfoAsync\(string\)](#) ,
[ModrinthSourceBase.GetProjectVersionInfoAsync\(string\)](#) ,
[ModrinthSourceBase.GetVersionInfoAsync\(string\)](#) , [ModrinthBase.GetCategoriesAsync\(\)](#) ,
[ModrinthBase.GetLoadersAsync\(\)](#) , [ModrinthBase.GetProjectTypesAsync\(\)](#) ,
[object.Equals\(object\)](#) ↴ , [object.Equals\(object, object\)](#) ↴ , [object.GetHashCode\(\)](#) ↴ ,
[object.GetType\(\)](#) ↴ , [object.MemberwiseClone\(\)](#) ↴ , [object.ReferenceEquals\(object, object\)](#) ↴ ,
[object.ToString\(\)](#) ↴

Properties

ProjectType

```
protected override string ProjectType { get; }
```

Property Value

[string](#) ↴

Class ResourcePacks

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.Modrinth](#)

Assembly: Qomicex.Core.dll

```
public class ResourcePacks : ModrinthSourceBase, IModrinthSource
```

Inheritance

[object](#) ← [ModrinthBase](#) ← [ModrinthSourceBase](#) ← ResourcePacks

Implements

[IModrinthSource](#)

Inherited Members

[ModrinthSourceBase.SearchAsync\(string, string, string\[\], string\[\], string, int, int\)](#) ,
[ModrinthSourceBase.GetProjectInfoAsync\(string\)](#) ,
[ModrinthSourceBase.GetProjectVersionInfoAsync\(string\)](#) ,
[ModrinthSourceBase.GetVersionInfoAsync\(string\)](#) , [ModrinthBase.GetCategoriesAsync\(\)](#) ,
[ModrinthBase.GetLoadersAsync\(\)](#) , [ModrinthBase.GetProjectTypesAsync\(\)](#) ,
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

ProjectType

```
protected override string ProjectType { get; }
```

Property Value

[string](#)

Class Shaders

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.Modrinth](#)

Assembly: Qomicex.Core.dll

```
public class Shaders : ModrinthSourceBase, IModrinthSource
```

Inheritance

[object](#) ↴ ← [ModrinthBase](#) ← [ModrinthSourceBase](#) ← Shaders

Implements

[IModrinthSource](#)

Inherited Members

[ModrinthSourceBase.SearchAsync\(string, string, string\[\], string\[\], string, int, int\)](#) ,
[ModrinthSourceBase.GetProjectInfoAsync\(string\)](#) ,
[ModrinthSourceBase.GetProjectVersionInfoAsync\(string\)](#) ,
[ModrinthSourceBase.GetVersionInfoAsync\(string\)](#) , [ModrinthBase.GetCategoriesAsync\(\)](#) ,
[ModrinthBase.GetLoadersAsync\(\)](#) , [ModrinthBase.GetProjectTypesAsync\(\)](#) ,
[object.Equals\(object\)](#) ↴ , [object.Equals\(object, object\)](#) ↴ , [object.GetHashCode\(\)](#) ↴ ,
[object.GetType\(\)](#) ↴ , [object.MemberwiseClone\(\)](#) ↴ , [object.ReferenceEquals\(object, object\)](#) ↴ ,
[object.ToString\(\)](#) ↴

Properties

ProjectType

```
protected override string ProjectType { get; }
```

Property Value

[string](#) ↴

Class Worlds

Namespace: [Qomicex.Core.Modules.Helpers.Resources.Expansion.Modrinth](#)

Assembly: Qomicex.Core.dll

```
public class Worlds : ModrinthSourceBase, IModrinthSource
```

Inheritance

[object](#) ← [ModrinthBase](#) ← [ModrinthSourceBase](#) ← Worlds

Implements

[IModrinthSource](#)

Inherited Members

[ModrinthSourceBase.SearchAsync\(string, string, string\[\], string\[\], string, int, int\)](#) ,
[ModrinthSourceBase.GetProjectInfoAsync\(string\)](#) ,
[ModrinthSourceBase.GetProjectVersionInfoAsync\(string\)](#) ,
[ModrinthSourceBase.GetVersionInfoAsync\(string\)](#) , [ModrinthBase.GetCategoriesAsync\(\)](#) ,
[ModrinthBase.GetLoadersAsync\(\)](#) , [ModrinthBase.GetProjectTypesAsync\(\)](#) ,
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Properties

ProjectType

```
protected override string ProjectType { get; }
```

Property Value

[string](#)

Namespace Qomicex.Core.Modules.Launcher

Classes

[Launcher](#)

[Launcher.LauncherParam](#)

Structs

[Launcher.LogLevels](#)

Class Launcher

Namespace: [Qomicex.Core.Modules.Launcher](#)

Assembly: Qomicex.Core.dll

```
public class Launcher
```

Inheritance

[object](#) ← Launcher

Inherited Members

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

Methods

KillGame()

```
public void KillGame()
```

Launch(LauncherParam)

```
public bool Launch(Launcher.LauncherParam param)
```

Parameters

param [Launcher.LauncherParam](#)

Returns

[bool](#)

SelectParam(LauncherParam)

```
public string SelectParam(Launcher.LauncherParam param)
```

Parameters

param [Launcher.LauncherParam](#)

Returns

[string](#)

UnzipNatives(string, string, string)

```
public bool UnzipNatives(string jsonPath, string minecraftPath, string versionPath)
```

Parameters

jsonPath [string](#)

minecraftPath [string](#)

versionPath [string](#)

Returns

[bool](#)

Events

OnCrashDetected

```
public event Action<string>? OnCrashDetected
```

Event Type

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

OnError

```
public event Action<string>? OnError
```

Event Type

[Action<string>](#)

OnExited

```
public event Action<int>? OnExited
```

Event Type

[Action<int>](#)

OnOutput

```
public event Action<string>? OnOutput
```

Event Type

[Action<string>](#)

Class Launcher.LauncherParam

Namespace: [Qomicex.Core.Modules.Launcher](#)

Assembly: Qomicex.Core.dll

```
public class Launcher.LauncherParam : DataModules.DataDetails.Launcher
```

Inheritance

[object](#) ← [DataModules.DataDetails.Launcher](#) ← Launcher.LauncherParam

Inherited Members

[DataModules.DataDetails.Launcher.Account](#) , [DataModules.DataDetails.Launcher.DevideVersion](#) ,
[DataModules.DataDetails.Launcher.AdditionalParam](#) ,
[DataModules.DataDetails.Launcher.Version](#) , [DataModules.DataDetails.Launcher.MaxMemory](#) ,
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Fields

FullScreen

```
public bool FullScreen
```

Field Value

[bool](#)

GameDir

```
public string GameDir
```

Field Value

[string](#)

Height

```
public string Height
```

Field Value

[string](#)

Java

```
public DataModules.DataDetails.Java Java
```

Field Value

[DataModules.DataDetails.Java](#)

LauncherName

```
public string LauncherName
```

Field Value

[string](#)

Width

```
public string Width
```

Field Value

[string](#)

Struct Launcher.LogLevels

Namespace: [Qomicex.Core.Modules.Launcher](#)

Assembly: Qomicex.Core.dll

```
public struct Launcher.LogLevels
```

Inherited Members

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

Fields

DEBUG

```
public const string DEBUG = "DEBUG"
```

Field Value

[string](#)

ERROR

```
public const string ERROR = "ERROR"
```

Field Value

[string](#)

FATAL

```
public const string FATAL = "FATAL"
```

Field Value

[string ↗](#)

INFO

```
public const string INFO = "INFO"
```

Field Value

[string ↗](#)

WARN

```
public const string WARN = "WARN"
```

Field Value

[string ↗](#)

Namespace Qomicex.Core.Tests

Classes

[DebugLogAnalysisTest](#)

调试日志分析重复问题的测试

Class DebugLogAnalysisTest

Namespace: [Qomicex.Core.Tests](#)

Assembly: Qomicex.Core.dll

调试日志分析重复问题的测试

```
public class DebugLogAnalysisTest
```

Inheritance

[object](#) ← DebugLogAnalysisTest

Inherited Members

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

Methods

AnalyzeWithDetails()

```
public static Task AnalyzeWithDetails()
```

Returns

[Task](#)

Truncate(string, int)

```
public static string Truncate(string value, int maxLength)
```

Parameters

value [string](#)

maxLength [int](#)

Returns

[string](#) ↗