

Namespace QL.Actions

Classes

[ActionsLookup](#)

Class ActionsLookup

Namespace: [QL.Actions](#)

Assembly: QL.Actions.dll

```
public static class ActionsLookup
```

Inheritance

[object](#) ← ActionsLookup

Inherited Members

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

Methods

Get(string, string)

```
public static ActionMetadata Get(string name, string @namespace = "")
```

Parameters

name [string](#)

namespace [string](#)

Returns

[ActionMetadata](#)

IsNamespace(string)

```
public static bool IsNamespace(string ns)
```

Parameters

`ns` [string](#)

Returns

[bool](#)

Namespace QL.Actions.Standard.CPUInfo

Classes

[CPU](#)

[CPUInfo](#)

[CPUInfoResults](#)

[CacheInfo](#)

[FrequencyRangeInfo](#)

[NUMAInfo](#)

[VendorInfo](#)

[VulnerabilityInfo](#)

Class CPU

Namespace: [QL.Actions.Standard.CPUInfo](#)

Assembly: QL.Actions.dll

```
public class CPU
```

Inheritance

[object](#) ← CPU

Inherited Members

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

Properties

AddressSizes

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

Property Value

[string](#)

Architecture

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

Property Value

[string](#)

ByteOrder

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

Property Value

[string](#)

CPUOpModes

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

Property Value

[string](#)

CoresPerSocket

```
public uint CoresPerSocket { get; set; }
```

Property Value

[uint](#)

Cpus

```
public uint Cpus { get; set; }
```

Property Value

[uint](#)

FrequencyRange

```
public FrequencyRangeInfo FrequencyRange { get; set; }
```

Property Value

[FrequencyRangeInfo](#)

SMT

```
public bool SMT { get; }
```

Property Value

[bool](#)

Sockets

```
public uint Sockets { get; set; }
```

Property Value

[uint](#)

Stepping

```
public uint Stepping { get; set; }
```

Property Value

[uint](#)

ThreadsPerCore

```
public uint ThreadsPerCore { get; set; }
```

Property Value

[uint](#) ↗

Class CPUInfo

Namespace: [QL.Actions.Standard.CPUInfo](#)

Assembly: QL.Actions.dll

```
public class CPUInfo : ActionBase<CPUInfoResults>, IAction
```

Inheritance

[object](#) ← [ActionBase<object, CPUInfoResults>](#) ← [ActionBase<CPUInfoResults>](#) ← [CPUInfo](#)

Implements

[IAction](#)

Inherited Members

[ActionBase<object, CPUInfoResults>.Platform](#) ,
[ActionBase<object, CPUInfoResults>.Initialize\(Platform\)](#) ,
[ActionBase<object, CPUInfoResults>.GetArguments\(\)](#) ,
[ActionBase<object, CPUInfoResults>.ExecuteCommandAsync\(IClient, IReadOnlyDictionary<string, object>, IReadOnlyCollection<IField>, CancellationToken\)](#) ,
[ActionBase<object, CPUInfoResults>.ExecuteAsync\(object, IClient, string, CancellationToken\)](#) ,
[ActionBase<object, CPUInfoResults>.ValidateResults\(ICommandOutput\)](#) ,
[ActionBase<object, CPUInfoResults>.BuildCommand\(object\)](#) ,
[ActionBase<object, CPUInfoResults>.GetCommandTemplate\(\)](#) ,
[ActionBase<object, CPUInfoResults>.GetRegex\(\)](#) , [ActionBase<object, CPUInfoResults>.GetDeps\(\)](#) ,
[ActionBase<object, CPUInfoResults>.ParseCommandResults\(ICommandOutput\)](#) ,
[ActionBase<object, CPUInfoResults>.SetupAsync\(IClient, CancellationToken\)](#) ,
[ActionBase<object, CPUInfoResults>.CleanupAsync\(IClient, CancellationToken\)](#) ,
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

BuildCommand(object)

```
protected override string BuildCommand(object arguments)
```

Parameters

arguments [object](#)

Returns

[string](#)

ParseCommandResults(ICommandOutput)

```
protected override CPUInfoResults? ParseCommandResults(ICommandOutput  
commandResults)
```

Parameters

commandResults [ICommandOutput](#)

Returns

[CPUInfoResults](#)

Class CPUInfoResults

Namespace: [QL.Actions.Standard.CPUInfo](#)

Assembly: QL.Actions.dll

```
public class CPUInfoResults
```

Inheritance

[object](#) ← CPUInfoResults

Inherited Members

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

Properties

CPU

```
public CPU CPU { get; set; }
```

Property Value

[CPU](#)

Caches

```
public List<CacheInfo> Caches { get; set; }
```

Property Value

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

Flags

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

Property Value

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

NUMA

```
public NUMAInfo NUMA { get; set; }
```

Property Value

[NUMAInfo](#)

Vendor

```
public VendorInfo Vendor { get; set; }
```

Property Value

[VendorInfo](#)

Virtualization

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

Property Value

[string](#)

Vulnerabilities

```
public List<VulnerabilityInfo> Vulnerabilities { get; set; }
```

Property Value

[List ↗<VulnerabilityInfo>](#)

Class CacheInfo

Namespace: [QL.Actions.Standard.CPUInfo](#)

Assembly: QL.Actions.dll

```
public class CacheInfo
```

Inheritance

[object](#) ← CacheInfo

Inherited Members

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

Properties

Instances

```
public uint Instances { get; set; }
```

Property Value

[uint](#)

Size

```
public uint Size { get; set; }
```

Property Value

[uint](#)

Type

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

Property Value

[string](#) ↗

Class FrequencyRangeInfo

Namespace: [QL.Actions.Standard.CPUInfo](#)

Assembly: QL.Actions.dll

```
public class FrequencyRangeInfo
```

Inheritance

[object](#) ← FrequencyRangeInfo

Inherited Members

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

Properties

BogoMIPS

```
public decimal BogoMIPS { get; set; }
```

Property Value

[decimal](#)

FrequencyBoost

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

Property Value

[bool](#)

Max

```
public decimal Max { get; set; }
```

Property Value

[decimal](#) ↗

Min

```
public decimal Min { get; set; }
```

Property Value

[decimal](#) ↗

Class NUMAInfo

Namespace: [QL.Actions.Standard.CPUInfo](#)

Assembly: QL.Actions.dll

```
public class NUMAInfo
```

Inheritance

[object](#) ← NUMAInfo

Inherited Members

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

Properties

Nodes

```
public uint Nodes { get; set; }
```

Property Value

[uint](#)

Class VendorInfo

Namespace: [QL.Actions.Standard.CPUInfo](#)

Assembly: QL.Actions.dll

```
public class VendorInfo
```

Inheritance

[object](#) ← VendorInfo

Inherited Members

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

Properties

CPUFamily

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

Property Value

[string](#)

Model

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

Property Value

[string](#)

ModelName

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

Property Value

[string](#) ↗

VendorID

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

Property Value

[string](#) ↗

Class VulnerabilityInfo

Namespace: [QL.Actions.Standard.CPUInfo](#)

Assembly: QL.Actions.dll

```
public class VulnerabilityInfo
```

Inheritance

[object](#) ← VulnerabilityInfo

Inherited Members

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

Properties

Name

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

Property Value

[string](#)

Status

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

Property Value

[string](#)

Namespace QL.Actions.Standard.CurrentTime

Classes

[CurrentTime](#)

Runs the `date` command and returns the current date and time

[CurrentTimeResult](#)

Result of the [CurrentTime](#) action

Enums

[AMPM](#)

Enum AMPM

Namespace: [QL.Actions.Standard.CurrentTime](#)

Assembly: QL.Actions.dll

```
public enum AMPM
```

Fields

AM = 0

PM = 1

Class CurrentTime

Namespace: [QL.Actions.Standard.CurrentTime](#)

Assembly: QL.Actions.dll

Runs the **date** command and returns the current date and time

```
[Cmd("date")]
public class CurrentTime : ActionBase<CurrentTimeResult>, IAction
```

Inheritance

[object](#) ← [ActionBase<object>](#), [CurrentTimeResult](#) ← [ActionBase<CurrentTimeResult>](#) ← CurrentTime

Implements

[IAction](#)

Inherited Members

[ActionBase<object, CurrentTimeResult>.Platform](#) ,
[ActionBase<object, CurrentTimeResult>.Initialize\(Platform\)](#) ,
[ActionBase<object, CurrentTimeResult>.GetArguments\(\)](#) ,
[ActionBase<object, CurrentTimeResult>.ExecuteCommandAsync\(IClient, IReadOnlyDictionary<string, object>, IReadOnlyCollection<IField>, CancellationToken\)](#) ,
[ActionBase<object, CurrentTimeResult>.ExecuteAsync\(object, IClient, string, CancellationToken\)](#) ,
[ActionBase<object, CurrentTimeResult>.ValidateResults\(ICommandOutput\)](#) ,
[ActionBase<object, CurrentTimeResult>.BuildCommand\(object\)](#) ,
[ActionBase<object, CurrentTimeResult>.GetCommandTemplate\(\)](#) ,
[ActionBase<object, CurrentTimeResult>.GetRegex\(\)](#) ,
[ActionBase<object, CurrentTimeResult>.GetDeps\(\)](#) ,
[ActionBase<object, CurrentTimeResult>.ParseCommandResults\(ICommandOutput\)](#) ,
[ActionBase<object, CurrentTimeResult>.SetupAsync\(IClient, CancellationToken\)](#) ,
[ActionBase<object, CurrentTimeResult>.CleanupAsync\(IClient, CancellationToken\)](#) ,
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

ParseCommandResults(ICommandOutput)

```
protected override CurrentTimeResult ParseCommandResults(ICommandOutput  
commandResults)
```

Parameters

commandResults [ICommandOutput](#)

Returns

[CurrentTimeResult](#)

Class CurrentTimeResult

Namespace: [QL.Actions.Standard.CurrentTime](#)

Assembly: QL.Actions.dll

Result of the [CurrentTime](#) action

```
public class CurrentTimeResult
```

Inheritance

[object](#) ← CurrentTimeResult

Inherited Members

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

Properties

AMPM

AM/PM value

```
public AMPM AMPM { get; set; }
```

Property Value

[AMPM](#)

Day

Day of the month as an integer

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

Property Value

[int](#)

DayOfWeek

Day of the week as a string (e.g. "Mon", "Tue", "Wed", etc.)

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

Property Value

[string](#)

Month

Month as a string (e.g. "Jan", "Feb", "Mar", etc.)

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

Property Value

[string](#)

Time

Time as a string (e.g. "12:00:00")

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

Property Value

[string](#)

TimeZone

Time zone as a string (e.g. "EST", "EDT", "CST", "CDT", etc.)

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

Property Value

[string](#)

Year

Year as an integer

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

Property Value

[int](#)

Namespace QL.Actions.Standard.DiskSpace

Classes

[Disk](#)

[DiskSpace](#)

Class Disk

Namespace: [QL.Actions.Standard.DiskSpace](#)

Assembly: QL.Actions.dll

```
public class Disk
```

Inheritance

[object](#) ← Disk

Inherited Members

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

Properties

AvailablePercentage

```
public float AvailablePercentage { get; }
```

Property Value

[float](#)

BlockSize

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

Property Value

[string](#)

FileSystem

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

Property Value

[string](#)

Free

```
public ulong Free { get; set; }
```

Property Value

[ulong](#)

MountPoint

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

Property Value

[string](#)

Total

```
public ulong Total { get; }
```

Property Value

[ulong](#)

Used

```
public ulong Used { get; set; }
```

Property Value

[ulong](#) ↗

UsedPercentage

```
public float UsedPercentage { get; }
```

Property Value

[float](#) ↗

Class DiskSpace

Namespace: [QL.Actions.Standard.DiskSpace](#)

Assembly: QL.Actions.dll

```
[Cmd("df")]
public class DiskSpace : ActionBase<List<Disk>>, IAction
```

Inheritance

[object](#) ← [ActionBase<object, List<Disk>>](#) ← [ActionBase<List<Disk>>](#) ← [DiskSpace](#)

Implements

[IAction](#)

Inherited Members

[ActionBase<object, List<Disk>>.Platform](#) , [ActionBase<object, List<Disk>>.Initialize\(Platform\)](#) ,
[ActionBase<object, List<Disk>>.GetArguments\(\)](#) ,
[ActionBase<object, List<Disk>>.ExecuteCommandAsync\(IClient, IReadOnlyDictionary<string, object>, IReadOnlyCollection<IField>, CancellationToken\)](#) ,
[ActionBase<object, List<Disk>>.ExecuteAsync\(object, IClient, string, CancellationToken\)](#) ,
[ActionBase<object, List<Disk>>.ValidateResults\(ICommandOutput\)](#) ,
[ActionBase<object, List<Disk>>.BuildCommand\(object\)](#) ,
[ActionBase<object, List<Disk>>.GetCommandTemplate\(\)](#) ,
[ActionBase<object, List<Disk>>.GetRegex\(\)](#) , [ActionBase<object, List<Disk>>.GetDeps\(\)](#) ,
[ActionBase<object, List<Disk>>.ParseCommandResults\(ICommandOutput\)](#) ,
[ActionBase<object, List<Disk>>.SetupAsync\(IClient, CancellationToken\)](#) ,
[ActionBase<object, List<Disk>>.CleanupAsync\(IClient, CancellationToken\)](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Methods

ParseCommandResults(ICommandOutput)

```
protected override List<Disk> ParseCommandResults(ICommandOutput commandResults)
```

Parameters

`commandResults` [ICommandOutput](#)

Returns

[List](#) ↗<[Disk](#)>

Namespace QL.Actions.Standard.FileSpace

Classes

[FileSpace](#)

[FileSpaceArguments](#)

[FileSpaceResult](#)

Class FileSpace

Namespace: [QL.Actions.Standard.FileSpace](#)

Assembly: QL.Actions.dll

```
public class FileSpace : ActionBase<FileSpaceArguments, List<FileSpaceResult>>,  
IAction
```

Inheritance

[object](#) ← [ActionBase<FileSpaceArguments, List<FileSpaceResult>>](#) ← [FileSpace](#)

Implements

[IAction](#)

Inherited Members

[ActionBase<FileSpaceArguments, List<FileSpaceResult>>.Platform](#) ,
[ActionBase<FileSpaceArguments, List<FileSpaceResult>>.Initialize\(Platform\)](#) ,
[ActionBase<FileSpaceArguments, List<FileSpaceResult>>.GetArguments\(\)](#) ,
[ActionBase<FileSpaceArguments, List<FileSpaceResult>>.ExecuteCommandAsync\(IClient, IReadOnlyDictionary<string, object>, IReadOnlyCollection<IField>, CancellationToken\)](#) ,
[ActionBase<FileSpaceArguments, List<FileSpaceResult>>.ExecuteAsync\(FileSpaceArguments, IClient, string, CancellationToken\)](#) ,
[ActionBase<FileSpaceArguments, List<FileSpaceResult>>.ValidateResults\(ICommandOutput\)](#) ,
[ActionBase<FileSpaceArguments, List<FileSpaceResult>>.BuildCommand\(FileSpaceArguments\)](#) ,
[ActionBase<FileSpaceArguments, List<FileSpaceResult>>.GetCommandTemplate\(\)](#) ,
[ActionBase<FileSpaceArguments, List<FileSpaceResult>>.GetRegex\(\)](#) ,
[ActionBase<FileSpaceArguments, List<FileSpaceResult>>.GetDeps\(\)](#) ,
[ActionBase<FileSpaceArguments, List<FileSpaceResult>>.ParseCommandResults\(ICommandOutput\)](#) ,

[ActionBase<FileSpaceArguments, List<FileSpaceResult>>.SetupAsync\(IClient, CancellationToken\)](#) ,
[ActionBase<FileSpaceArguments, List<FileSpaceResult>>.CleanupAsync\(IClient, CancellationToken\)](#) ,
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

[BuildCommand\(FileSpaceArguments\)](#)

```
protected override string BuildCommand(FileSpaceArguments arguments)
```

Parameters

arguments [FileSpaceArguments](#)

Returns

[string](#)

ParseCommandResults(ICommandOutput)

```
protected override List<FileSpaceResult> ParseCommandResults(ICommandOutput  
commandResults)
```

Parameters

commandResults [ICommandOutput](#)

Returns

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

Class FileSpaceArguments

Namespace: [QL.Actions.Standard.FileSpace](#)

Assembly: QL.Actions.dll

```
public class FileSpaceArguments
```

Inheritance

[object](#) ← FileSpaceArguments

Inherited Members

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

Properties

Depth

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

Property Value

[int](#)

Path

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

Property Value

[string](#)

Class FileSpaceResult

Namespace: [QL.Actions.Standard.FileSpace](#)

Assembly: QL.Actions.dll

```
public class FileSpaceResult
```

Inheritance

[object](#) ← FileSpaceResult

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](#)

Size

```
public ulong Size { get; set; }
```

Property Value

[ulong](#)

Namespace QL.Actions.Standard.HostInfo

Classes

[Architecture](#)

[HostName](#)

[SystemInfo](#)

[SystemInfoResults](#)

Class Architecture

Namespace: [QL.Actions.Standard.HostInfo](#)

Assembly: QL.Actions.dll

```
[Cmd("arch")]
[Regex("(.*", RegexOptions.Multiline)]
public class Architecture : ActionBase<string>, IAction
```

Inheritance

[object](#) ← [ActionBase<object, string>](#) ← [ActionBase<string>](#) ← [Architecture](#)

Implements

[IAction](#)

Inherited Members

[ActionBase<object, string>.Platform](#) , [ActionBase<object, string>.Initialize\(Platform\)](#) ,
[ActionBase<object, string>.GetArguments\(\)](#) ,
[ActionBase<object, string>.ExecuteCommandAsync\(IClient, IReadOnlyDictionary<string, object>, IReadOnlyCollection<IField>, CancellationToken\)](#) ,
[ActionBase<object, string>.ExecuteAsync\(object, IClient, string, CancellationToken\)](#) ,
[ActionBase<object, string>.ValidateResults\(ICommandOutput\)](#) ,
[ActionBase<object, string>.BuildCommand\(object\)](#) ,
[ActionBase<object, string>.GetCommandTemplate\(\)](#) , [ActionBase<object, string>.GetRegex\(\)](#) ,
[ActionBase<object, string>.GetDeps\(\)](#) ,
[ActionBase<object, string>.ParseCommandResults\(ICommandOutput\)](#) ,
[ActionBase<object, string>.SetupAsync\(IClient, CancellationToken\)](#) ,
[ActionBase<object, string>.CleanupAsync\(IClient, CancellationToken\)](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Class HostName

Namespace: [QL.Actions.Standard.HostInfo](#)

Assembly: QL.Actions.dll

```
[Cmd("hostname")]
[Regex("(.*", RegexOptions.Multiline)]
public class HostName : ActionBase<string>, IAction
```

Inheritance

[object](#) ← [ActionBase<object, string>](#) ← [ActionBase<string>](#) ← HostName

Implements

[IAction](#)

Inherited Members

[ActionBase<object, string>.Platform](#) , [ActionBase<object, string>.Initialize\(Platform\)](#) ,
[ActionBase<object, string>.GetArguments\(\)](#) ,
[ActionBase<object, string>.ExecuteCommandAsync\(IClient, IReadOnlyDictionary<string, object>, IReadOnlyCollection<IField>, CancellationToken\)](#) ,
[ActionBase<object, string>.ExecuteAsync\(object, IClient, string, CancellationToken\)](#) ,
[ActionBase<object, string>.ValidateResults\(ICommandOutput\)](#) ,
[ActionBase<object, string>.BuildCommand\(object\)](#) ,
[ActionBase<object, string>.GetCommandTemplate\(\)](#) , [ActionBase<object, string>.GetRegex\(\)](#) ,
[ActionBase<object, string>.GetDeps\(\)](#) ,
[ActionBase<object, string>.ParseCommandResults\(ICommandOutput\)](#) ,
[ActionBase<object, string>.SetupAsync\(IClient, CancellationToken\)](#) ,
[ActionBase<object, string>.CleanupAsync\(IClient, CancellationToken\)](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Class SystemInfo

Namespace: [QL.Actions.Standard.HostInfo](#)

Assembly: QL.Actions.dll

```
[Cmd("uname -a")]
public class SystemInfo : ActionBase<SystemInfoResults>, IAction
```

Inheritance

[object](#) ← [ActionBase<object, SystemInfoResults>](#) ← [ActionBase<SystemInfoResults>](#) ← [SystemInfo](#)

Implements

[IAction](#)

Inherited Members

[ActionBase<object, SystemInfoResults>.Platform](#) ,
[ActionBase<object, SystemInfoResults>.Initialize\(Platform\)](#) ,
[ActionBase<object, SystemInfoResults>.GetArguments\(\)](#) ,
[ActionBase<object, SystemInfoResults>.ExecuteCommandAsync\(IClient, IReadOnlyDictionary<string, object>, IReadOnlyCollection<IField>, CancellationToken\)](#) ,
[ActionBase<object, SystemInfoResults>.ExecuteAsync\(object, IClient, string, CancellationToken\)](#) ,
[ActionBase<object, SystemInfoResults>.ValidateResults\(ICommandOutput\)](#) ,
[ActionBase<object, SystemInfoResults>.BuildCommand\(object\)](#) ,
[ActionBase<object, SystemInfoResults>.GetCommandTemplate\(\)](#) ,
[ActionBase<object, SystemInfoResults>.GetRegex\(\)](#) ,
[ActionBase<object, SystemInfoResults>.GetDeps\(\)](#) ,
[ActionBase<object, SystemInfoResults>.ParseCommandResults\(ICommandOutput\)](#) ,
[ActionBase<object, SystemInfoResults>.SetupAsync\(IClient, CancellationToken\)](#) ,
[ActionBase<object, SystemInfoResults>.CleanupAsync\(IClient, CancellationToken\)](#) ,
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

[ParseCommandResults\(ICommandOutput\)](#)

```
protected override SystemInfoResults? ParseCommandResults(ICommandOutput  
commandResults)
```

Parameters

commandResults [ICommandOutput](#)

Returns

[SystemInfoResults](#)

Class SystemInfoResults

Namespace: [QL.Actions.Standard.HostInfo](#)

Assembly: QL.Actions.dll

```
public class SystemInfoResults
```

Inheritance

[object](#) ← SystemInfoResults

Inherited Members

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

Properties

Architecture

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

Property Value

[string](#)

HostName

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

Property Value

[string](#)

KernelBuildOptions

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

Property Value

[string](#)

KernelName

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

Property Value

[string](#)

KernelRelease

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

Property Value

[string](#)

OS

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

Property Value

[string](#)

VersionSignature

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

Property Value

[string](#) ↗

Namespace QL.Actions.Standard.ListFiles

Classes

[FileSystemItem](#)

[ListFileArguments](#)

[ListFiles](#)

Class FileSystemItem

Namespace: [QL.Actions.Standard.ListFiles](#)

Assembly: QL.Actions.dll

```
public class FileSystemItem
```

Inheritance

[object](#) ← FileSystemItem

Inherited Members

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

Properties

Date

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

Property Value

[DateTime](#)

Extension

```
public string Extension { get; }
```

Property Value

[string](#)

Group

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

Property Value

[string](#)

IsDirectory

```
public bool IsDirectory { get; }
```

Property Value

[bool](#)

IsExecutable

```
public bool IsExecutable { get; }
```

Property Value

[bool](#)

IsFile

```
public bool IsFile { get; }
```

Property Value

[bool](#)

IsHidden

```
public bool IsHidden { get; }
```

Property Value

[bool](#)

IsLink

```
public bool IsLink { get; }
```

Property Value

[bool](#)

IsReadable

```
public bool IsReadable { get; }
```

Property Value

[bool](#)

IsWritable

```
public bool IsWritable { get; }
```

Property Value

[bool](#)

LinkCount

```
public uint LinkCount { get; set; }
```

Property Value

[uint](#)

Name

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

Property Value

[string](#)

Owner

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

Property Value

[string](#)

Permissions

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

Property Value

[string](#)

Size

```
public ulong Size { get; set; }
```

Property Value

[ulong](#) ↗

Class ListFileArguments

Namespace: [QL.Actions.Standard.ListFiles](#)

Assembly: QL.Actions.dll

```
public class ListFileArguments
```

Inheritance

[object](#) ← ListFileArguments

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](#)

Recursive

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

Property Value

[bool](#)

ShowHidden

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

Property Value

[bool](#) ↗

Class ListFiles

Namespace: [QL.Actions.Standard.ListFiles](#)

Assembly: QL.Actions.dll

```
[Cmd("ls -l ?[recursive]-R ?[showHidden]-A {path}")]
[Regex("^(:^\\.\\/(.+:)?\\s*(?:^total\\s+([\\d+])?)?\\s*(?<Permissions>
[drwx-]+@?)\\s+(?<LinkCount>[\\d+])\\s+(?<Owner>[.\\w+]++)\\s+(?<Group>[.\\w+]++)\\s+
(?<Size>[\\d+])\\s+(?<Date>\\w+\\s+\\d{1,2})\\s+(?:\\d+:\\d+|\\d{4}))\\s+(?
<Name>.+)\"", RegexOptions.Multiline)]
public class ListFiles : ActionBase<ListFileArguments, List<FileSystemItem>>,  
IAction
```

Inheritance

[object](#) ← [ActionBase<ListFileArguments, List<FileSystemItem>>](#) ← [ListFiles](#)

Implements

[IAction](#)

Inherited Members

[ActionBase<ListFileArguments, List<FileSystemItem>>.Platform](#) ,
[ActionBase<ListFileArguments, List<FileSystemItem>>.Initialize\(Platform\)](#) ,
[ActionBase<ListFileArguments, List<FileSystemItem>>.GetArguments\(\)](#) ,
[ActionBase<ListFileArguments, List<FileSystemItem>>.ExecuteCommandAsync\(IClient, IReadOnlyDictionary<string, object>, IReadOnlyCollection<IField>, CancellationToken\)](#) ,
[ActionBase<ListFileArguments, List<FileSystemItem>>.ExecuteAsync\(ListFileArguments, IClient, string, CancellationToken\)](#) ,
[ActionBase<ListFileArguments, List<FileSystemItem>>.ValidateResults\(ICommandOutput\)](#) ,
[ActionBase<ListFileArguments, List<FileSystemItem>>.BuildCommand\(ListFileArguments\)](#) ,
[ActionBase<ListFileArguments, List<FileSystemItem>>.GetCommandTemplate\(\)](#) ,
[ActionBase<ListFileArguments, List<FileSystemItem>>.GetRegex\(\)](#) ,
[ActionBase<ListFileArguments, List<FileSystemItem>>.GetDeps\(\)](#) ,
[ActionBase<ListFileArguments, List<FileSystemItem>>.ParseCommandResults\(ICommandOutput\)](#) ,
[ActionBase<ListFileArguments, List<FileSystemItem>>.SetupAsync\(IClient, CancellationToken\)](#) ,
[ActionBase<ListFileArguments, List<FileSystemItem>>.CleanupAsync\(IClient, CancellationToken\)](#) ,
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Namespace QL.Actions.Standard.Logs

Classes

[LogEntry](#)

[Logs](#)

[LogsArguments](#)

Class LogEntry

Namespace: [QL.Actions.Standard.Logs](#)

Assembly: QL.Actions.dll

```
public class LogEntry
```

Inheritance

[object](#) ← LogEntry

Inherited Members

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

Properties

MachineName

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

Property Value

[string](#)

Message

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

Property Value

[string](#)

Service

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

Property Value

[string](#) ↗

Timestamp

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

Property Value

[string](#) ↗

Class Logs

Namespace: [QL.Actions.Standard.Logs](#)

Assembly: QL.Actions.dll

```
public class Logs : ActionBase<LogsArguments, List<LogEntry>>, IAction
```

Inheritance

[object](#) ← [ActionBase<LogsArguments, List<LogEntry>>](#) ← Logs

Implements

[IAction](#)

Inherited Members

[ActionBase<LogsArguments, List<LogEntry>>.Platform](#) ,
[ActionBase<LogsArguments, List<LogEntry>>.Initialize\(Platform\)](#) ,
[ActionBase<LogsArguments, List<LogEntry>>.GetArguments\(\)](#) ,
[ActionBase<LogsArguments, List<LogEntry>>.ExecuteCommandAsync\(IClient, IReadOnlyDictionary<string, object>, IReadOnlyCollection<IField>, CancellationToken\)](#) ,
[ActionBase<LogsArguments, List<LogEntry>>.ExecuteAsync\(LogsArguments, IClient, string, CancellationToken\)](#) ,
[ActionBase<LogsArguments, List<LogEntry>>.ValidateResults\(ICommandOutput\)](#) ,
[ActionBase<LogsArguments, List<LogEntry>>.BuildCommand\(LogsArguments\)](#) ,
[ActionBase<LogsArguments, List<LogEntry>>.GetCommandTemplate\(\)](#) ,
[ActionBase<LogsArguments, List<LogEntry>>.GetRegex\(\)](#) ,
[ActionBase<LogsArguments, List<LogEntry>>.GetDeps\(\)](#) ,
[ActionBase<LogsArguments, List<LogEntry>>.ParseCommandResults\(ICommandOutput\)](#) ,
[ActionBase<LogsArguments, List<LogEntry>>.SetupAsync\(IClient, CancellationToken\)](#) ,
[ActionBase<LogsArguments, List<LogEntry>>.CleanupAsync\(IClient, CancellationToken\)](#) ,
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

[BuildCommand\(LogsArguments\)](#)

```
protected override string BuildCommand(LogsArguments arguments)
```

Parameters

arguments [LogsArguments](#)

Returns

[string](#)

ParseCommandResults(ICommandOutput)

```
protected override List<LogEntry> ParseCommandResults(ICommandOutput commandResults)
```

Parameters

commandResults [ICommandOutput](#)

Returns

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

Class LogsArguments

Namespace: [QL.Actions.Standard.Logs](#)

Assembly: QL.Actions.dll

```
public record LogsArguments : IEquatable<LogsArguments>
```

Inheritance

[object](#) ← LogsArguments

Implements

[IEquatable](#)<[LogsArguments](#)>

Inherited Members

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

Properties

EndDate

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

Property Value

[DateTime](#)

StartDate

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

Property Value

[DateTime](#)

Top

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

Property Value

[int ↗](#)

Namespace QL.Actions.Standard.Memory

Classes

[Memory](#)

[MemoryInfo](#)

[MemoryInfoResult](#)

[Swap](#)

Class Memory

Namespace: [QL.Actions.Standard.Memory](#)

Assembly: QL.Actions.dll

```
public class Memory
```

Inheritance

[object](#) ← Memory

Inherited Members

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

Properties

Available

```
public ulong Available { get; set; }
```

Property Value

[ulong](#)

BuffCache

```
public ulong BuffCache { get; set; }
```

Property Value

[ulong](#)

Free

```
public ulong Free { get; set; }
```

Property Value

[ulong](#) ↗

Shared

```
public ulong Shared { get; set; }
```

Property Value

[ulong](#) ↗

Total

```
public ulong Total { get; set; }
```

Property Value

[ulong](#) ↗

Used

```
public ulong Used { get; set; }
```

Property Value

[ulong](#) ↗

Class MemoryInfo

Namespace: [QL.Actions.Standard.Memory](#)

Assembly: QL.Actions.dll

```
public class MemoryInfo : ActionBase<MemoryInfoResult>, IAction
```

Inheritance

[object](#) ← [ActionBase<object>](#), [MemoryInfoResult](#) ← [ActionBase<MemoryInfoResult>](#) ← [MemoryInfo](#)

Implements

[IAction](#)

Inherited Members

[ActionBase<object, MemoryInfoResult>.Platform](#) ,
[ActionBase<object, MemoryInfoResult>.Initialize\(Platform\)](#) ,
[ActionBase<object, MemoryInfoResult>.GetArguments\(\)](#) ,
[ActionBase<object, MemoryInfoResult>.ExecuteCommandAsync\(IClient, IReadOnlyDictionary<string, object>, IReadOnlyCollection<IField>, CancellationToken\)](#) ,
[ActionBase<object, MemoryInfoResult>.ExecuteAsync\(object, IClient, string, CancellationToken\)](#) ,
[ActionBase<object, MemoryInfoResult>.ValidateResults\(ICommandOutput\)](#) ,
[ActionBase<object, MemoryInfoResult>.BuildCommand\(object\)](#) ,
[ActionBase<object, MemoryInfoResult>.GetCommandTemplate\(\)](#) ,
[ActionBase<object, MemoryInfoResult>.GetRegex\(\)](#) ,
[ActionBase<object, MemoryInfoResult>.GetDeps\(\)](#) ,
[ActionBase<object, MemoryInfoResult>.ParseCommandResults\(ICommandOutput\)](#) ,
[ActionBase<object, MemoryInfoResult>.SetupAsync\(IClient, CancellationToken\)](#) ,
[ActionBase<object, MemoryInfoResult>.CleanupAsync\(IClient, CancellationToken\)](#) ,
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

BuildCommand(object)

```
protected override string BuildCommand(object arguments)
```

Parameters

arguments [object](#)

Returns

[string](#)

ParseCommandResults(ICommandOutput)

```
protected override MemoryInfoResult? ParseCommandResults(ICommandOutput  
commandResults)
```

Parameters

commandResults [ICommandOutput](#)

Returns

[MemoryInfoResult](#)

Class MemoryInfoResult

Namespace: [QL.Actions.Standard.Memory](#)

Assembly: QL.Actions.dll

```
public class MemoryInfoResult
```

Inheritance

[object](#) ← MemoryInfoResult

Inherited Members

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

Properties

Memory

```
public Memory Memory { get; set; }
```

Property Value

[Memory](#)

Swap

```
public Swap Swap { get; set; }
```

Property Value

[Swap](#)

Class Swap

Namespace: [QL.Actions.Standard.Memory](#)

Assembly: QL.Actions.dll

```
public class Swap
```

Inheritance

[object](#) ← Swap

Inherited Members

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

Properties

Free

```
public ulong Free { get; set; }
```

Property Value

[ulong](#)

Total

```
public ulong Total { get; set; }
```

Property Value

[ulong](#)

Used

```
public ulong Used { get; set; }
```

Property Value

[ulong](#) ↗

Namespace QL.Actions.Standard.Processes

Classes

[Process](#)

[ProcessArguments](#)

[Processes](#)

Enums

[ProcessFlag](#)

Class Process

Namespace: [QL.Actions.Standard.Processes](#)

Assembly: QL.Actions.dll

```
public class Process
```

Inheritance

[object](#) ← Process

Inherited Members

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

Properties

Command

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

Property Value

[string](#)

CpuUsage

```
public float CpuUsage { get; set; }
```

Property Value

[float](#)

Elapsed Time

```
public TimeSpan ElapsedTime { get; set; }
```

Property Value

[TimeSpan](#)

Flags

```
public List<ProcessFlag> Flags { get; set; }
```

Property Value

[List](#)<ProcessFlag>

MemoryUsage

```
public float MemoryUsage { get; set; }
```

Property Value

[float](#)

PID

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

Property Value

[int](#)

User

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

Property Value

[string](#) ↗

Class ProcessArguments

Namespace: [QL.Actions.Standard.Processes](#)

Assembly: QL.Actions.dll

```
public class ProcessArguments
```

Inheritance

[object](#) ← ProcessArguments

Inherited Members

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

Properties

Limit

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

Property Value

[int](#)

Enum ProcessFlag

Namespace: [QL.Actions.Standard.Processes](#)

Assembly: QL.Actions.dll

```
[Flags]
public enum ProcessFlag
```

Fields

P_ADVLOCK = 1

P_CONTINUED = 128

P_CONTROLT = 2

P_EXEC = 16384

P_KDEBUG = 131072

P_LP64 = 4

P_NOCLDSTOP = 8

P_OWEUPC = 32768

P_PPWAIT = 16

P_PROFIL = 32

P_SELECT = 64

P_SUGID = 256

P_SYSTEM = 512

P_TIMEOUT = 1024

P_TRACED = 2048

P_WAITED = 4096

P_WAITING = 65536

P_WEXIT = 8192

Class Processes

Namespace: [QL.Actions.Standard.Processes](#)

Assembly: QL.Actions.dll

```
public class Processes : ActionBase<ProcessArguments, List<Process>>, IAction
```

Inheritance

[object](#) ← [ActionBase<ProcessArguments, List<Process>>](#) ← Processes

Implements

[IAction](#)

Inherited Members

[ActionBase<ProcessArguments, List<Process>>.Platform](#) ,
[ActionBase<ProcessArguments, List<Process>>.Initialize\(Platform\)](#) ,
[ActionBase<ProcessArguments, List<Process>>.GetArguments\(\)](#) ,
[ActionBase<ProcessArguments, List<Process>>.ExecuteCommandAsync\(IClient,](#)
[IReadOnlyDictionary<string, object>, IReadOnlyCollection<IField>, CancellationToken\)](#) ,
[ActionBase<ProcessArguments, List<Process>>.ExecuteAsync\(ProcessArguments, IClient, string,](#)
[CancellationToken\)](#) ,
[ActionBase<ProcessArguments, List<Process>>.ValidateResults\(ICommandOutput\)](#) ,
[ActionBase<ProcessArguments, List<Process>>.BuildCommand\(ProcessArguments\)](#) ,
[ActionBase<ProcessArguments, List<Process>>.GetCommandTemplate\(\)](#) ,
[ActionBase<ProcessArguments, List<Process>>.GetRegex\(\)](#) ,
[ActionBase<ProcessArguments, List<Process>>.GetDeps\(\)](#) ,
[ActionBase<ProcessArguments, List<Process>>.ParseCommandResults\(ICommandOutput\)](#) ,
[ActionBase<ProcessArguments, List<Process>>.SetupAsync\(IClient, CancellationToken\)](#) ,
[ActionBase<ProcessArguments, List<Process>>.CleanupAsync\(IClient, CancellationToken\)](#) ,
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

[BuildCommand\(ProcessArguments\)](#)

```
protected override string BuildCommand(ProcessArguments arguments)
```

Parameters

arguments [ProcessArguments](#)

Returns

[string](#)

ParseCommandResults(ICommandOutput)

```
protected override List<Process> ParseCommandResults(ICommandOutput commandResults)
```

Parameters

commandResults [ICommandOutput](#)

Returns

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

Namespace QL.Actions.Standard.RunCustom

Classes

[RunCustom](#)

[RunCustomArguments](#)

[RunCustomResult](#)

Class RunCustom

Namespace: [QL.Actions.Standard.RunCustom](#)

Assembly: QL.Actions.dll

```
[Cmd("{cmd}")]
public class RunCustom : ActionBase<RunCustomArguments, RunCustomResult>, IAction
```

Inheritance

[object](#) ← [ActionBase<RunCustomArguments, RunCustomResult>](#) ← [RunCustom](#)

Implements

[IAction](#)

Inherited Members

[ActionBase<RunCustomArguments, RunCustomResult>.Platform](#) ,
[ActionBase<RunCustomArguments, RunCustomResult>.Initialize\(Platform\)](#) ,
[ActionBase<RunCustomArguments, RunCustomResult>.GetArguments\(\)](#) ,
[ActionBase<RunCustomArguments, RunCustomResult>.ExecuteCommandAsync\(IClient, IReadOnlyDictionary<string, object>, IReadOnlyCollection<IField>, CancellationToken\)](#) ,
[ActionBase<RunCustomArguments, RunCustomResult>.ExecuteAsync\(RunCustomArguments, IClient, string, CancellationToken\)](#) ,
[ActionBase<RunCustomArguments, RunCustomResult>.ValidateResults\(ICommandOutput\)](#) ,
[ActionBase<RunCustomArguments, RunCustomResult>.BuildCommand\(RunCustomArguments\)](#) ,
[ActionBase<RunCustomArguments, RunCustomResult>.GetCommandTemplate\(\)](#) ,
[ActionBase<RunCustomArguments, RunCustomResult>.GetRegex\(\)](#) ,
[ActionBase<RunCustomArguments, RunCustomResult>.GetDeps\(\)](#) ,
[ActionBase<RunCustomArguments, RunCustomResult>.ParseCommandResults\(ICommandOutput\)](#) ,
[ActionBase<RunCustomArguments, RunCustomResult>.SetupAsync\(IClient, CancellationToken\)](#) ,
[ActionBase<RunCustomArguments, RunCustomResult>.CleanupAsync\(IClient, CancellationToken\)](#) ,
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

[ParseCommandResults\(ICommandOutput\)](#)

```
protected override RunCustomResult ParseCommandResults(ICommandOutput  
commandResults)
```

Parameters

commandResults [ICommandOutput](#)

Returns

[RunCustomResult](#)

Class RunCustomArguments

Namespace: [QL.Actions.Standard.RunCustom](#)

Assembly: QL.Actions.dll

```
public class RunCustomArguments
```

Inheritance

[object](#) ← RunCustomArguments

Inherited Members

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

Properties

Cmd

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

Property Value

[string](#)

Class RunCustomResult

Namespace: [QL.Actions.Standard.RunCustom](#)

Assembly: QL.Actions.dll

```
public class RunCustomResult
```

Inheritance

[object](#) ← RunCustomResult

Inherited Members

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

Properties

ExitCode

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

Property Value

[int](#)

Output

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

Property Value

[string](#)

Namespace QL.Actions.ThirdParty.AWS

Classes

[AwsActionBase<TReturnType>](#)

[AwsActionBase<TArgs, TReturnType>](#)

Class AwsActionBase<TReturnType>

Namespace: [QL.Actions.ThirdParty.AWS](#)

Assembly: QL.Actions.dll

```
public abstract class AwsActionBase<TReturnType> : AwsActionBase<object>,  
TReturnType, IAction
```

Type Parameters

TReturnType

Inheritance

```
object ↩ ← ActionBase<object⟩, TReturnType <– AwsActionBase<object⟩, TReturnType <–  
AwsActionBase<TReturnType>
```

Implements

[IAction](#)

Inherited Members

```
ActionBase<object, TReturnType>.Platform , ActionBase<object, TReturnType>.Initialize(Platform) ,  
ActionBase<object, TReturnType>.GetArguments() ,  
ActionBase<object, TReturnType>.ExecuteCommandAsync(IClient, IReadOnlyDictionary<string,  
object>, IReadOnlyCollection<IField>, CancellationToken) ,  
ActionBase<object, TReturnType>.ExecuteAsync(object, IClient, string, CancellationToken) ,  
ActionBase<object, TReturnType>.ValidateResults(ICommandOutput) ,  
ActionBase<object, TReturnType>.BuildCommand(object) ,  
ActionBase<object, TReturnType>.GetCommandTemplate() ,  
ActionBase<object, TReturnType>.GetRegex() , ActionBase<object, TReturnType>.GetDeps() ,  
ActionBase<object, TReturnType>.ParseCommandResults(ICommandOutput) ,  
ActionBase<object, TReturnType>.SetupAsync(IClient, CancellationToken) ,  
ActionBase<object, TReturnType>.CleanupAsync(IClient, CancellationToken) ,  
object.Equals(object) ↩ , object.Equals(object, object) ↩ , object.GetHashCode() ↩ ,  
object.GetType() ↩ , object.MemberwiseClone() ↩ , object.ReferenceEquals(object, object) ↩ ,  
object.ToString() ↩
```

Class AwsActionBase<TArgs, TReturnType>

Namespace: [QL.Actions.ThirdParty.AWS](#)

Assembly: QL.Actions.dll

```
[Deps(new string[] { "aws" })]
[Namespace("aws")]
public abstract class AwsActionBase<TArgs, TReturnType> : ActionBase<TArgs,
TReturnType>, IAction where TArgs : class, new()
```

Type Parameters

TArgs

TReturnType

Inheritance

[object](#) ↗ ← [ActionBase](#)<TArgs, TReturnType> ← AwsActionBase<TArgs, TReturnType>

Implements

[IAction](#)

Derived

[AwsActionBase](#)<TReturnType>

Inherited Members

[ActionBase](#)<TArgs, TReturnType>.Platform , [ActionBase](#)<TArgs, TReturnType>.Initialize(Platform) ,
[ActionBase](#)<TArgs, TReturnType>.GetArguments() ,
[ActionBase](#)<TArgs, TReturnType>.ExecuteCommandAsync(IClient, IReadOnlyDictionary<string, object>, IReadOnlyCollection<IField>, CancellationToken) ,
[ActionBase](#)<TArgs, TReturnType>.ExecuteAsync(TArgs, IClient, string, CancellationToken) ,
[ActionBase](#)<TArgs, TReturnType>.ValidateResults(ICommandOutput) ,
[ActionBase](#)<TArgs, TReturnType>.BuildCommand(TArgs) ,
[ActionBase](#)<TArgs, TReturnType>.GetCommandTemplate() ,
[ActionBase](#)<TArgs, TReturnType>.GetRegex() , [ActionBase](#)<TArgs, TReturnType>.GetDeps() ,
[ActionBase](#)<TArgs, TReturnType>.ParseCommandResults(ICommandOutput) ,
[ActionBase](#)<TArgs, TReturnType>.SetupAsync(IClient, CancellationToken) ,
[ActionBase](#)<TArgs, TReturnType>.CleanupAsync(IClient, CancellationToken) , [object.Equals\(object\)](#) ↗ ,
[object.Equals\(object, object\)](#) ↗ , [object.GetHashCode\(\)](#) ↗ , [object.GetType\(\)](#) ↗ ,
[object.MemberwiseClone\(\)](#) ↗ , [object.ReferenceEquals\(object, object\)](#) ↗ , [object.ToString\(\)](#) ↗

Namespace QL.Actions.ThirdParty.Azure

Classes

[AzureActionBase<TReturnType>](#)

[AzureActionBase<TArgs, TReturnType>](#)

Class AzureActionBase<TReturnType>

Namespace: [QL.Actions.ThirdParty.Azure](#)

Assembly: QL.Actions.dll

```
public abstract class AzureActionBase<TReturnType> : AzureActionBase<object>,  
    TReturnType, IAction
```

Type Parameters

TReturnType

Inheritance

```
object ← ActionBase<object, TReturnType < AzureActionBase<object>, TReturnType <  
AzureActionBase<TReturnType>
```

Implements

[IAction](#)

Inherited Members

```
ActionBase<object, TReturnType>.Platform , ActionBase<object, TReturnType>.Initialize\(Platform\) ,  
ActionBase<object, TReturnType>.GetArguments\(\) ,  
ActionBase<object, TReturnType>.ExecuteCommandAsync\(IClient, IReadOnlyDictionary<string,  
object>, IReadOnlyCollection<IField>, CancellationToken\) ,  
ActionBase<object, TReturnType>.ExecuteAsync\(object, IClient, string, CancellationToken\) ,  
ActionBase<object, TReturnType>.ValidateResults\(ICommandOutput\) ,  
ActionBase<object, TReturnType>.BuildCommand\(object\) ,  
ActionBase<object, TReturnType>.GetCommandTemplate\(\) ,  
ActionBase<object, TReturnType>.GetRegex\(\) , ActionBase<object, TReturnType>.GetDeps\(\) ,  
ActionBase<object, TReturnType>.ParseCommandResults\(ICommandOutput\) ,  
ActionBase<object, TReturnType>.SetupAsync\(IClient, CancellationToken\) ,  
ActionBase<object, TReturnType>.CleanupAsync\(IClient, CancellationToken\) ,  
object.Equals\(object\) , object.Equals\(object, object\) , object.GetHashCode\(\) ,  
object.GetType\(\) , object.MemberwiseClone\(\) , object.ReferenceEquals\(object, object\) ,  
object.ToString\(\)
```

Class AzureActionBase<TArgs, TReturnType>

Namespace: [QL.Actions.ThirdParty.Azure](#)

Assembly: QL.Actions.dll

```
[Deps(new string[] { "az" })]
[Namespace("azure")]
public abstract class AzureActionBase<TArgs, TReturnType> : ActionBase<TArgs,
TReturnType>, IAction where TArgs : class, new()
```

Type Parameters

TArgs

TReturnType

Inheritance

[object](#) ↗ ← [ActionBase](#)<TArgs, TReturnType> ← AzureActionBase<TArgs, TReturnType>

Implements

[IAction](#)

Derived

[AzureActionBase](#)<TReturnType>

Inherited Members

[ActionBase](#)<TArgs, TReturnType>.Platform , [ActionBase](#)<TArgs, TReturnType>.Initialize(Platform) ,
[ActionBase](#)<TArgs, TReturnType>.GetArguments() ,
[ActionBase](#)<TArgs, TReturnType>.ExecuteCommandAsync(IClient, IReadOnlyDictionary<string, object>, IReadOnlyCollection<IField>, CancellationToken) ,
[ActionBase](#)<TArgs, TReturnType>.ExecuteAsync(TArgs, IClient, string, CancellationToken) ,
[ActionBase](#)<TArgs, TReturnType>.ValidateResults(ICommandOutput) ,
[ActionBase](#)<TArgs, TReturnType>.BuildCommand(TArgs) ,
[ActionBase](#)<TArgs, TReturnType>.GetCommandTemplate() ,
[ActionBase](#)<TArgs, TReturnType>.GetRegex() , [ActionBase](#)<TArgs, TReturnType>.GetDeps() ,
[ActionBase](#)<TArgs, TReturnType>.ParseCommandResults(ICommandOutput) ,
[ActionBase](#)<TArgs, TReturnType>.SetupAsync(IClient, CancellationToken) ,
[ActionBase](#)<TArgs, TReturnType>.CleanupAsync(IClient, CancellationToken) , [object.Equals\(object\)](#) ↗ ,
[object.Equals\(object, object\)](#) ↗ , [object.GetHashCode\(\)](#) ↗ , [object.GetType\(\)](#) ↗ ,
[object.MemberwiseClone\(\)](#) ↗ , [object.ReferenceEquals\(object, object\)](#) ↗ , [object.ToString\(\)](#) ↗

Namespace QL.Actions.ThirdParty.Docker

Classes

[ContainerArgs](#)

[ContainerPort](#)

[ContainerResult](#)

[Containers](#)

[ContextResult](#)

[Contexts](#)

[ContextsArguments](#)

[DockerActionBase<TReturnType>](#)

[DockerActionBase<TArgs, TReturnType>](#)

[DockerImageResult](#)

[DockerImagesArguments](#)

[Images](#)

[Info](#)

[NetworkResult](#)

[Networks](#)

[NetworksArguments](#)

[Version](#)

[VolumeResult](#)

[Volumes](#)

[VolumesArguments](#)

Enums

[Protocol](#)

Class ContainerArgs

Namespace: [QL.Actions.ThirdParty.Docker](#)

Assembly: QL.Actions.dll

```
public record ContainerArgs : IEquatable<ContainerArgs>
```

Inheritance

[object](#) ← ContainerArgs

Implements

[IEquatable](#)<[ContainerArgs](#)>

Inherited Members

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

Properties

Limit

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

Property Value

[int](#)

Class ContainerPort

Namespace: [QL.Actions.ThirdParty.Docker](#)

Assembly: QL.Actions.dll

```
public class ContainerPort
```

Inheritance

[object](#) ← ContainerPort

Inherited Members

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

Properties

Port

```
public ushort Port { get; set; }
```

Property Value

[ushort](#)

Protocol

```
public Protocol Protocol { get; set; }
```

Property Value

[Protocol](#)

Class ContainerResult

Namespace: [QL.Actions.ThirdParty.Docker](#)

Assembly: QL.Actions.dll

```
public class ContainerResult
```

Inheritance

[object](#) ← ContainerResult

Inherited Members

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

Properties

Command

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

Property Value

[string](#)

Created

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

Property Value

[string](#)

Id

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

Property Value

[string](#)

Image

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

Property Value

[string](#)

Names

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

Property Value

[string](#)

Ports

```
public List<ContainerPort> Ports { get; set; }
```

Property Value

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

Status

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

Property Value

[string](#) ↗

Class Containers

Namespace: [QL.Actions.ThirdParty.Docker](#)

Assembly: QL.Actions.dll

```
[Cmd("docker ps")]
public class Containers : DockerActionBase<ContainerArgs, List<ContainerResult>>,  
IAction
```

Inheritance

[object](#) ← [ActionBase<ContainerArgs, List<ContainerResult>>](#) ←
[DockerActionBase<ContainerArgs, List<ContainerResult>>](#) ← Containers

Implements

[IAction](#)

Inherited Members

[ActionBase<ContainerArgs, List<ContainerResult>>.Platform](#) ,
[ActionBase<ContainerArgs, List<ContainerResult>>.Initialize\(Platform\)](#) ,
[ActionBase<ContainerArgs, List<ContainerResult>>.GetArguments\(\)](#) ,
[ActionBase<ContainerArgs, List<ContainerResult>>.ExecuteCommandAsync\(IClient, IReadOnlyDictionary<string, object>, IReadOnlyCollection<IField>, CancellationToken\)](#) ,
[ActionBase<ContainerArgs, List<ContainerResult>>.ExecuteAsync\(ContainerArgs, IClient, string, CancellationToken\)](#) ,
[ActionBase<ContainerArgs, List<ContainerResult>>.ValidateResults\(ICommandOutput\)](#) ,
[ActionBase<ContainerArgs, List<ContainerResult>>.BuildCommand\(ContainerArgs\)](#) ,
[ActionBase<ContainerArgs, List<ContainerResult>>.GetCommandTemplate\(\)](#) ,
[ActionBase<ContainerArgs, List<ContainerResult>>.GetRegex\(\)](#) ,
[ActionBase<ContainerArgs, List<ContainerResult>>.GetDeps\(\)](#) ,
[ActionBase<ContainerArgs, List<ContainerResult>>.ParseCommandResults\(ICommandOutput\)](#) ,
[ActionBase<ContainerArgs, List<ContainerResult>>.SetupAsync\(IClient, CancellationToken\)](#) ,
[ActionBase<ContainerArgs, List<ContainerResult>>.CleanupAsync\(IClient, CancellationToken\)](#) ,
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

ParseCommandResults(ICommandOutput)

```
protected override List<ContainerResult> ParseCommandResults(ICommandOutput  
commandResults)
```

Parameters

commandResults [ICommandOutput](#)

Returns

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

Class ContextResult

Namespace: [QL.Actions.ThirdParty.Docker](#)

Assembly: QL.Actions.dll

```
public class ContextResult
```

Inheritance

[object](#) ← ContextResult

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](#)

DockerEndpoint

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

Property Value

[string](#)

KubernetesEndpoint

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

Property Value

[string](#)

Name

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

Property Value

[string](#)

Orchestrator

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

Property Value

[string](#)

Type

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

Property Value

[string](#)

Class Contexts

Namespace: [QL.Actions.ThirdParty.Docker](#)

Assembly: QL.Actions.dll

```
[Cmd("docker context ls")]
public class Contexts : DockerActionBase<ContextsArguments,
List<ContextResult>>, IAction
```

Inheritance

```
object ↩ ← ActionBase<ContextsArguments, List ↩ <ContextResult>> ←
DockerActionBase<ContextsArguments, List ↩ <ContextResult>> ← Contexts
```

Implements

[IAction](#)

Inherited Members

```
ActionBase<ContextsArguments, List<ContextResult>>.Platform ,
ActionBase<ContextsArguments, List<ContextResult>>.Initialize(Platform) ,
ActionBase<ContextsArguments, List<ContextResult>>.GetArguments() ,
ActionBase<ContextsArguments, List<ContextResult>>.ExecuteCommandAsync(IClient,
IReadOnlyDictionary<string, object>, IReadOnlyCollection<IField>, CancellationToken) ,
ActionBase<ContextsArguments, List<ContextResult>>.ExecuteAsync(ContextsArguments, IClient,
string, CancellationToken) ,
ActionBase<ContextsArguments, List<ContextResult>>.ValidateResults(ICommandOutput) ,
ActionBase<ContextsArguments, List<ContextResult>>.BuildCommand(ContextsArguments) ,
ActionBase<ContextsArguments, List<ContextResult>>.GetCommandTemplate() ,
ActionBase<ContextsArguments, List<ContextResult>>.GetRegex() ,
ActionBase<ContextsArguments, List<ContextResult>>.GetDeps() ,
ActionBase<ContextsArguments, List<ContextResult>>.ParseCommandResults(ICommandOutput) ,
ActionBase<ContextsArguments, List<ContextResult>>.SetupAsync(IClient, CancellationToken) ,
ActionBase<ContextsArguments, List<ContextResult>>.CleanupAsync(IClient, CancellationToken) ,
object.Equals(object) ↩ , object.Equals(object, object) ↩ , object.GetHashCode() ↩ ,
object.GetType() ↩ , object.MemberwiseClone() ↩ , object.ReferenceEquals(object, object) ↩ ,
object.ToString() ↩
```

Methods

ParseCommandResults(ICommandOutput)

```
protected override List<ContextResult> ParseCommandResults(ICommandOutput  
commandResults)
```

Parameters

commandResults [ICommandOutput](#)

Returns

[List](#)<ContextResult>

Class ContextsArguments

Namespace: [QL.Actions.ThirdParty.Docker](#)

Assembly: QL.Actions.dll

```
public record ContextsArguments : IEquatable<ContextsArguments>
```

Inheritance

[object](#) ← ContextsArguments

Implements

[IEquatable](#)<ContextsArguments>

Inherited Members

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

Class DockerActionBase<TReturnType>

Namespace: [QL.Actions.ThirdParty.Docker](#)

Assembly: QL.Actions.dll

```
public abstract class DockerActionBase<TReturnType> : DockerActionBase<object>,  
TReturnType, IAction
```

Type Parameters

TReturnType

Inheritance

```
object ↩ ← ActionBase<object⟩, TReturnType < DockerActionBase<object⟩, TReturnType <  
DockerActionBase<TReturnType>
```

Implements

[IAction](#)

Inherited Members

```
ActionBase<object, TReturnType>.Platform , ActionBase<object, TReturnType>.Initialize(Platform) ,  
ActionBase<object, TReturnType>.GetArguments() ,  
ActionBase<object, TReturnType>.ExecuteCommandAsync(IClient, IReadOnlyDictionary<string,  
object>, IReadOnlyCollection<IField>, CancellationToken) ,  
ActionBase<object, TReturnType>.ExecuteAsync(object, IClient, string, CancellationToken) ,  
ActionBase<object, TReturnType>.ValidateResults(ICommandOutput) ,  
ActionBase<object, TReturnType>.BuildCommand(object) ,  
ActionBase<object, TReturnType>.GetCommandTemplate() ,  
ActionBase<object, TReturnType>.GetRegex() , ActionBase<object, TReturnType>.GetDeps() ,  
ActionBase<object, TReturnType>.ParseCommandResults(ICommandOutput) ,  
ActionBase<object, TReturnType>.SetupAsync(IClient, CancellationToken) ,  
ActionBase<object, TReturnType>.CleanupAsync(IClient, CancellationToken) ,  
object.Equals(object) ↩ , object.Equals(object, object) ↩ , object.GetHashCode() ↩ ,  
object.GetType() ↩ , object.MemberwiseClone() ↩ , object.ReferenceEquals(object, object) ↩ ,  
object.ToString() ↩
```

Class DockerActionBase<TArgs, TReturnType>

Namespace: [QL.Actions.ThirdParty.Docker](#)

Assembly: QL.Actions.dll

```
[Namespace("docker")]
[Deps(new string[] { "docker" })]
public abstract class DockerActionBase<TArgs, TReturnType> : ActionBase<TArgs,
TReturnType>, IAction where TArgs : class, new()
```

Type Parameters

TArgs

TReturnType

Inheritance

[object](#) ↗ ← [ActionBase](#)<TArgs, TReturnType> ← DockerActionBase<TArgs, TReturnType>

Implements

[IAction](#)

Derived

[Containers](#), [Contexts](#), [DockerActionBase](#)<TReturnType>, [Images](#), [Networks](#), [Volumes](#)

Inherited Members

[ActionBase](#)<TArgs, TReturnType>.Platform , [ActionBase](#)<TArgs, TReturnType>.Initialize(Platform) ,
[ActionBase](#)<TArgs, TReturnType>.GetArguments() ,
[ActionBase](#)<TArgs, TReturnType>.ExecuteCommandAsync(IClient, IReadOnlyDictionary<string, object>, IReadOnlyCollection<IField>, CancellationToken) ,
[ActionBase](#)<TArgs, TReturnType>.ExecuteAsync(TArgs, IClient, string, CancellationToken) ,
[ActionBase](#)<TArgs, TReturnType>.ValidateResults(ICommandOutput) ,
[ActionBase](#)<TArgs, TReturnType>.BuildCommand(TArgs) ,
[ActionBase](#)<TArgs, TReturnType>.GetCommandTemplate() ,
[ActionBase](#)<TArgs, TReturnType>.GetRegex() , [ActionBase](#)<TArgs, TReturnType>.GetDeps() ,
[ActionBase](#)<TArgs, TReturnType>.ParseCommandResults(ICommandOutput) ,
[ActionBase](#)<TArgs, TReturnType>.SetupAsync(IClient, CancellationToken) ,
[ActionBase](#)<TArgs, TReturnType>.CleanupAsync(IClient, CancellationToken) , [object.Equals\(object\)](#) ↗ ,
[object.Equals\(object, object\)](#) ↗ , [object.GetHashCode\(\)](#) ↗ , [object.GetType\(\)](#) ↗ ,
[object.MemberwiseClone\(\)](#) ↗ , [object.ReferenceEquals\(object, object\)](#) ↗ , [object.ToString\(\)](#) ↗

Class DockerImageResult

Namespace: [QL.Actions.ThirdParty.Docker](#)

Assembly: QL.Actions.dll

```
public class DockerImageResult
```

Inheritance

[object](#) ← DockerImageResult

Inherited Members

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

Properties

Created

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

Property Value

[string](#)

ImageId

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

Property Value

[string](#)

Repository

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

Property Value

[string](#) ↗

Size

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

Property Value

[string](#) ↗

Tag

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

Property Value

[string](#) ↗

Class DockerImagesArguments

Namespace: [QL.Actions.ThirdParty.Docker](#)

Assembly: QL.Actions.dll

```
public record DockerImagesArguments : IEquatable<DockerImagesArguments>
```

Inheritance

[object](#) ← DockerImagesArguments

Implements

[IEquatable](#)<[DockerImagesArguments](#)>

Inherited Members

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

Class Images

Namespace: [QL.Actions.ThirdParty.Docker](#)

Assembly: QL.Actions.dll

```
[Cmd("docker images")]
[Regex("(?\S+|\S+\/|\S+|\S+|\.\S+|\S+\/|\S+|\S+|\.\S+|\.\S+|\S+|\S+)\s+(?<Tag>\S+)\s+(?<ImageId>\S+)\s+(?<Created>\d+\s+months?\s+ago)\s+(?<Size>\S+)", RegexOptions.Multiline)]
public class Images : DockerActionBase<DockerImagesArguments,
List<DockerImageResult>>, IAction
```

Inheritance

```
object ↪ ← ActionBase<DockerImagesArguments, List<DockerImageResult>> ←
DockerActionBase<DockerImagesArguments, List<DockerImageResult>> ← Images
```

Implements

[IAction](#)

Inherited Members

```
ActionBase<DockerImagesArguments, List<DockerImageResult>>.Platform ,
ActionBase<DockerImagesArguments, List<DockerImageResult>>.Initialize(Platform) ,
ActionBase<DockerImagesArguments, List<DockerImageResult>>.GetArguments() ,
ActionBase<DockerImagesArguments, List<DockerImageResult>>.ExecuteCommandAsync(IClient,
IReadOnlyDictionary<string, object>, IReadOnlyCollection<IField>, CancellationToken) ,
ActionBase<DockerImagesArguments,
List<DockerImageResult>>.ExecuteAsync(DockerImagesArguments, IClient, string,
CancellationToken) ,
ActionBase<DockerImagesArguments, List<DockerImageResult>>.ValidateResults(ICommandOutput),
,
ActionBase<DockerImagesArguments,
List<DockerImageResult>>.BuildCommand(DockerImagesArguments) ,
ActionBase<DockerImagesArguments, List<DockerImageResult>>.GetCommandTemplate() ,
ActionBase<DockerImagesArguments, List<DockerImageResult>>.GetRegex() ,
ActionBase<DockerImagesArguments, List<DockerImageResult>>.GetDeps() ,
ActionBase<DockerImagesArguments,
List<DockerImageResult>>.ParseCommandResults(ICommandOutput) ,
ActionBase<DockerImagesArguments, List<DockerImageResult>>.SetupAsync(IClient,
CancellationToken) ,
```

```
ActionBase<DockerImagesArguments, List<DockerImageResult>>.CleanupAsync(IClient,  
CancellationToken),  
object.Equals(object) , object.Equals(object, object) , object.GetHashCode() ,  
object.GetType() , object.MemberwiseClone() , object.ReferenceEquals(object, object) ,  
object.ToString()
```

Class Info

Namespace: [QL.Actions.ThirdParty.Docker](#)

Assembly: QL.Actions.dll

```
public class Info
```

Inheritance

[object](#) ← Info

Inherited Members

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

Class NetworkResult

Namespace: [QL.Actions.ThirdParty.Docker](#)

Assembly: QL.Actions.dll

```
public class NetworkResult
```

Inheritance

[object](#) ← NetworkResult

Inherited Members

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

Properties

Driver

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

Property Value

[string](#)

Id

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

Property Value

[string](#)

Name

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

Property Value

[string](#) ↗

Scope

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

Property Value

[string](#) ↗

Class Networks

Namespace: [QL.Actions.ThirdParty.Docker](#)

Assembly: QL.Actions.dll

```
[Cmd("docker network ls")]
[Regex("(?<Id>[a-f0-9]{12})\\s+(?<Name>\\S+)\\s+(?<Driver>\\S+)\\s+(?
<Scope>\\w+)", RegexOptions.Multiline)]
public class Networks : DockerActionBase<NetworksArguments,
List<NetworkResult>>, IAction
```

Inheritance

```
object ← ActionBase<NetworksArguments, List<NetworkResult>> ←
DockerActionBase<NetworksArguments, List<NetworkResult>> ← Networks
```

Implements

[IAction](#)

Inherited Members

```
ActionBase<NetworksArguments, List<NetworkResult>>.Platform ,
ActionBase<NetworksArguments, List<NetworkResult>>.Initialize\(Platform\) ,
ActionBase<NetworksArguments, List<NetworkResult>>.GetArguments\(\) ,
ActionBase<NetworksArguments, List<NetworkResult>>.ExecuteCommandAsync\(IClient,
IReadOnlyDictionary<string, object>, IReadOnlyCollection<IField>, CancellationToken\) ,
ActionBase<NetworksArguments, List<NetworkResult>>.ExecuteAsync\(NetworksArguments, IClient,
string, CancellationToken\) ,
ActionBase<NetworksArguments, List<NetworkResult>>.ValidateResults\(ICommandOutput\) ,
ActionBase<NetworksArguments, List<NetworkResult>>.BuildCommand\(NetworksArguments\) ,
ActionBase<NetworksArguments, List<NetworkResult>>.GetCommandTemplate\(\) ,
ActionBase<NetworksArguments, List<NetworkResult>>.GetRegex\(\) ,
ActionBase<NetworksArguments, List<NetworkResult>>.GetDeps\(\) ,
ActionBase<NetworksArguments, List<NetworkResult>>.ParseCommandResults\(ICommandOutput\) ,
ActionBase<NetworksArguments, List<NetworkResult>>.SetupAsync\(IClient, CancellationToken\) ,
ActionBase<NetworksArguments, List<NetworkResult>>.CleanupAsync\(IClient, CancellationToken\) ,
object.Equals\(object\) , object.Equals\(object, object\) , object.GetHashCode\(\) ,
object.GetType\(\) , object.MemberwiseClone\(\) , object.ReferenceEquals\(object, object\) ,
object.ToString\(\)
```

Class NetworksArguments

Namespace: [QL.Actions.ThirdParty.Docker](#)

Assembly: QL.Actions.dll

```
public record NetworksArguments : IEquatable<NetworksArguments>
```

Inheritance

[object](#) ← NetworksArguments

Implements

[IEquatable](#)<[NetworksArguments](#)>

Inherited Members

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

Enum Protocol

Namespace: [QL.Actions.ThirdParty.Docker](#)

Assembly: QL.Actions.dll

```
public enum Protocol
```

Fields

Tcp = 0

Udp = 1

Class Version

Namespace: [QL.Actions.ThirdParty.Docker](#)

Assembly: QL.Actions.dll

```
public class Version
```

Inheritance

[object](#) ← Version

Inherited Members

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

Class VolumeResult

Namespace: [QL.Actions.ThirdParty.Docker](#)

Assembly: QL.Actions.dll

```
public class VolumeResult
```

Inheritance

[object](#) ← VolumeResult

Inherited Members

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

Properties

Driver

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

Property Value

[string](#)

Name

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

Property Value

[string](#)

Class Volumes

Namespace: [QL.Actions.ThirdParty.Docker](#)

Assembly: QL.Actions.dll

```
[Cmd("docker volume ls")]
[Regex("(?<Driver>\w+)\s+(?<Name>[a-zA-Z0-9-_]+(?:-[a-zA-Z0-
9]+)+)", RegexOptions.Multiline)]
public class Volumes : DockerActionBase<VolumesArguments, List<VolumeResult>>,  
IAction
```

Inheritance

[object](#) ← [ActionBase<VolumesArguments, List<VolumeResult>>](#) ←
[DockerActionBase<VolumesArguments, List<VolumeResult>>](#) ← [Volumes](#)

Implements

[IAction](#)

Inherited Members

[ActionBase<VolumesArguments, List<VolumeResult>>.Platform](#) ,
[ActionBase<VolumesArguments, List<VolumeResult>>.Initialize\(Platform\)](#) ,
[ActionBase<VolumesArguments, List<VolumeResult>>.GetArguments\(\)](#) ,
[ActionBase<VolumesArguments, List<VolumeResult>>.ExecuteCommandAsync\(IClient, IReadOnlyDictionary<string, object>, IReadOnlyCollection<IField>, CancellationToken\)](#) ,
[ActionBase<VolumesArguments, List<VolumeResult>>.ExecuteAsync\(VolumesArguments, IClient, string, CancellationToken\)](#) ,
[ActionBase<VolumesArguments, List<VolumeResult>>.ValidateResults\(ICommandOutput\)](#) ,
[ActionBase<VolumesArguments, List<VolumeResult>>.BuildCommand\(VolumesArguments\)](#) ,
[ActionBase<VolumesArguments, List<VolumeResult>>.GetCommandTemplate\(\)](#) ,
[ActionBase<VolumesArguments, List<VolumeResult>>.GetRegex\(\)](#) ,
[ActionBase<VolumesArguments, List<VolumeResult>>.GetDeps\(\)](#) ,
[ActionBase<VolumesArguments, List<VolumeResult>>.ParseCommandResults\(ICommandOutput\)](#) ,
[ActionBase<VolumesArguments, List<VolumeResult>>.SetupAsync\(IClient, CancellationToken\)](#) ,
[ActionBase<VolumesArguments, List<VolumeResult>>.CleanupAsync\(IClient, CancellationToken\)](#) ,
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Class VolumesArguments

Namespace: [QL.Actions.ThirdParty.Docker](#)

Assembly: QL.Actions.dll

```
public record VolumesArguments : IEquatable<VolumesArguments>
```

Inheritance

[object](#) ← VolumesArguments

Implements

[IEquatable](#)<[VolumesArguments](#)>

Inherited Members

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

Namespace QL.Actions.ThirdParty.Dotnet

Classes

[DotnetActionBase<TReturnType>](#)

[DotnetActionBase<TArgs, TReturnType>](#)

[RuntimeResult](#)

[Runtimes](#)

[SdkResult](#)

[Sdks](#)

[Version](#)

Class DotnetActionBase<TReturnType>

Namespace: [QL.Actions.ThirdParty.Dotnet](#)

Assembly: QL.Actions.dll

```
public abstract class DotnetActionBase<TReturnType> : DotnetActionBase<object>,  
    TReturnType, IAction
```

Type Parameters

TReturnType

Inheritance

[object](#) ↴ ← [ActionBase<object](#) ↴ , TReturnType) ← [DotnetActionBase<object](#) ↴ , TReturnType) ←
DotnetActionBase<TReturnType>

Implements

[IAction](#)

Derived

[Runtimes](#), [Sdks](#), [Version](#)

Inherited Members

[ActionBase<object, TReturnType>.Platform](#) , [ActionBase<object, TReturnType>.Initialize\(Platform\)](#) ,
[ActionBase<object, TReturnType>.GetArguments\(\)](#) ,
[ActionBase<object, TReturnType>.ExecuteCommandAsync\(IClient, IReadOnlyDictionary<string, object>, IReadOnlyCollection<IField>, CancellationToken\)](#) ,
[ActionBase<object, TReturnType>.ExecuteAsync\(object, IClient, string, CancellationToken\)](#) ,
[ActionBase<object, TReturnType>.ValidateResults\(ICommandOutput\)](#) ,
[ActionBase<object, TReturnType>.BuildCommand\(object\)](#) ,
[ActionBase<object, TReturnType>.GetCommandTemplate\(\)](#) ,
[ActionBase<object, TReturnType>.GetRegex\(\)](#) , [ActionBase<object, TReturnType>.GetDeps\(\)](#) ,
[ActionBase<object, TReturnType>.ParseCommandResults\(ICommandOutput\)](#) ,
[ActionBase<object, TReturnType>.SetupAsync\(IClient, CancellationToken\)](#) ,
[ActionBase<object, TReturnType>.CleanupAsync\(IClient, CancellationToken\)](#) ,
[object.Equals\(object\)](#) ↴ , [object.Equals\(object, object\)](#) ↴ , [object.GetHashCode\(\)](#) ↴ ,
[object.GetType\(\)](#) ↴ , [object.MemberwiseClone\(\)](#) ↴ , [object.ReferenceEquals\(object, object\)](#) ↴ ,
[object.ToString\(\)](#) ↴

Class DotnetActionBase<TArgs, TReturnType>

Namespace: [QL.Actions.ThirdParty.Dotnet](#)

Assembly: QL.Actions.dll

```
[Deps(new string[] { "dotnet" })]  
[Namespace("dotnet")]  
public abstract class DotnetActionBase<TArgs, TReturnType> : ActionBase<TArgs,  
TReturnType>, IAction where TArgs : class, new()
```

Type Parameters

TArgs

TReturnType

Inheritance

[object](#) ↗ ← [ActionBase](#)<TArgs, TReturnType> ← DotnetActionBase<TArgs, TReturnType>

Implements

[IAction](#)

Derived

[DotnetActionBase](#)<TReturnType>

Inherited Members

[ActionBase](#)<TArgs, TReturnType>.Platform , [ActionBase](#)<TArgs, TReturnType>.Initialize(Platform) ,
[ActionBase](#)<TArgs, TReturnType>.GetArguments() ,
[ActionBase](#)<TArgs, TReturnType>.ExecuteCommandAsync(IClient, IReadOnlyDictionary<string, object>, IReadOnlyCollection<IField>, CancellationToken) ,
[ActionBase](#)<TArgs, TReturnType>.ExecuteAsync(TArgs, IClient, string, CancellationToken) ,
[ActionBase](#)<TArgs, TReturnType>.ValidateResults(ICommandOutput) ,
[ActionBase](#)<TArgs, TReturnType>.BuildCommand(TArgs) ,
[ActionBase](#)<TArgs, TReturnType>.GetCommandTemplate() ,
[ActionBase](#)<TArgs, TReturnType>.GetRegex() , [ActionBase](#)<TArgs, TReturnType>.GetDeps() ,
[ActionBase](#)<TArgs, TReturnType>.ParseCommandResults(ICommandOutput) ,
[ActionBase](#)<TArgs, TReturnType>.SetupAsync(IClient, CancellationToken) ,
[ActionBase](#)<TArgs, TReturnType>.CleanupAsync(IClient, CancellationToken) , [object.Equals\(object\)](#) ↗ ,
[object.Equals\(object, object\)](#) ↗ , [object.GetHashCode\(\)](#) ↗ , [object.GetType\(\)](#) ↗ ,
[object.MemberwiseClone\(\)](#) ↗ , [object.ReferenceEquals\(object, object\)](#) ↗ , [object.ToString\(\)](#) ↗

Class RuntimeResult

Namespace: [QL.Actions.ThirdParty.Dotnet](#)

Assembly: QL.Actions.dll

```
public class RuntimeResult
```

Inheritance

[object](#) ← RuntimeResult

Inherited Members

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

Properties

Major

```
public int Major { get; }
```

Property Value

[int](#)

Minor

```
public int Minor { get; }
```

Property Value

[int](#)

Package

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

Property Value

[string](#)

Patch

```
public int Patch { get; }
```

Property Value

[int](#)

Path

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

Property Value

[string](#)

Version

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

Property Value

[string](#)

Class Runtimes

Namespace: [QL.Actions.ThirdParty.Dotnet](#)

Assembly: QL.Actions.dll

```
[Cmd("dotnet --list-runtimes")]
[Regex("(?<package>[^\\s]+)\\s+(?<version>\\d+\\.\\d+\\.\\d+)\\s+\\[(?  
<path>.+?)\\]", RegexOptions.Multiline)]
public class Runtimes : DotnetActionBase<List<RuntimeResult>>, IAction
```

Inheritance

```
object ↪ ActionBase<object, List<RuntimeResult>> ↪  
DotnetActionBase<object, List<RuntimeResult>> ↪ DotnetActionBase<List<RuntimeResult>> ↪  
Runtimes
```

Implements

[IAction](#)

Inherited Members

```
ActionBase<object, List<RuntimeResult>>.Platform,
ActionBase<object, List<RuntimeResult>>.Initialize(Platform),
ActionBase<object, List<RuntimeResult>>.GetArguments(),
ActionBase<object, List<RuntimeResult>>.ExecuteCommandAsync(IClient,
IReadOnlyDictionary<string, object>, IReadOnlyCollection<IField>, CancellationToken),
ActionBase<object, List<RuntimeResult>>.ExecuteAsync(object, IClient, string, CancellationToken),
ActionBase<object, List<RuntimeResult>>.ValidateResults(ICommandOutput),
ActionBase<object, List<RuntimeResult>>.BuildCommand(object),
ActionBase<object, List<RuntimeResult>>.GetCommandTemplate(),
ActionBase<object, List<RuntimeResult>>.GetRegex(),
ActionBase<object, List<RuntimeResult>>.GetDeps(),
ActionBase<object, List<RuntimeResult>>.ParseCommandResults(ICommandOutput),
ActionBase<object, List<RuntimeResult>>.SetupAsync(IClient, CancellationToken),
ActionBase<object, List<RuntimeResult>>.CleanupAsync(IClient, CancellationToken),
object.Equals(object) ↪ , object.Equals(object, object) ↪ , object.GetHashCode() ↪ ,
object.GetType() ↪ , object.MemberwiseClone() ↪ , object.ReferenceEquals(object, object) ↪ ,
object.ToString() ↪
```

Class SdkResult

Namespace: [QL.Actions.ThirdParty.Dotnet](#)

Assembly: QL.Actions.dll

```
public class SdkResult
```

Inheritance

[object](#) ← SdkResult

Inherited Members

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

Properties

Major

```
public int Major { get; }
```

Property Value

[int](#)

Minor

```
public int Minor { get; }
```

Property Value

[int](#)

Patch

```
public int Patch { get; }
```

Property Value

[int](#)

Path

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

Property Value

[string](#)

Version

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

Property Value

[string](#)

Class Sdks

Namespace: [QL.Actions.ThirdParty.Dotnet](#)

Assembly: QL.Actions.dll

```
[Cmd("dotnet --list-sdks")]
[Regex("(?<version>\\d+\\.\\d+\\.\\d+)\\s+\\[(?<path>.+?)\\]", RegexOptions.Multiline)]
public class Sdks : DotnetActionBase<List<SdkResult>>, IAction
```

Inheritance

[object](#) ← [ActionBase<object, List<SdkResult>>](#) ←
[DotnetActionBase<object, List<SdkResult>>](#) ← [DotnetActionBase<List<SdkResult>>](#) ← [Sdks](#)

Implements

[IAction](#)

Inherited Members

[ActionBase<object, List<SdkResult>>.Platform](#) ,
[ActionBase<object, List<SdkResult>>.Initialize\(Platform\)](#) ,
[ActionBase<object, List<SdkResult>>.GetArguments\(\)](#) ,
[ActionBase<object, List<SdkResult>>.ExecuteCommandAsync\(IClient, IReadOnlyDictionary<string, object>, IReadOnlyCollection<IField>, CancellationToken\)](#) ,
[ActionBase<object, List<SdkResult>>.ExecuteAsync\(object, IClient, string, CancellationToken\)](#) ,
[ActionBase<object, List<SdkResult>>.ValidateResults\(ICommandOutput\)](#) ,
[ActionBase<object, List<SdkResult>>.BuildCommand\(object\)](#) ,
[ActionBase<object, List<SdkResult>>.GetCommandTemplate\(\)](#) ,
[ActionBase<object, List<SdkResult>>.GetRegex\(\)](#) , [ActionBase<object, List<SdkResult>>.GetDeps\(\)](#) ,
[ActionBase<object, List<SdkResult>>.ParseCommandResults\(ICommandOutput\)](#) ,
[ActionBase<object, List<SdkResult>>.SetupAsync\(IClient, CancellationToken\)](#) ,
[ActionBase<object, List<SdkResult>>.CleanupAsync\(IClient, CancellationToken\)](#) ,
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Class Version

Namespace: [QL.Actions.ThirdParty.Dotnet](#)

Assembly: QL.Actions.dll

```
[Cmd("dotnet --version")]
[Regex("(.*", RegexOptions.Multiline)]
public class Version : DotnetActionBase<string>, IAction
```

Inheritance

[object](#) ← [ActionBase<object, string>](#) ← [DotnetActionBase<object, string>](#) ← [DotnetActionBase<string>](#) ← Version

Implements

[IAction](#)

Inherited Members

[ActionBase<object, string>.Platform](#) , [ActionBase<object, string>.Initialize\(Platform\)](#) ,
[ActionBase<object, string>.GetArguments\(\)](#) ,
[ActionBase<object, string>.ExecuteCommandAsync\(IClient, IReadOnlyDictionary<string, object>, IReadOnlyCollection<IField>, CancellationToken\)](#) ,
[ActionBase<object, string>.ExecuteAsync\(object, IClient, string, CancellationToken\)](#) ,
[ActionBase<object, string>.ValidateResults\(ICommandOutput\)](#) ,
[ActionBase<object, string>.BuildCommand\(object\)](#) ,
[ActionBase<object, string>.GetCommandTemplate\(\)](#) , [ActionBase<object, string>.GetRegex\(\)](#) ,
[ActionBase<object, string>.GetDeps\(\)](#) ,
[ActionBase<object, string>.ParseCommandResults\(ICommandOutput\)](#) ,
[ActionBase<object, string>.SetupAsync\(IClient, CancellationToken\)](#) ,
[ActionBase<object, string>.CleanupAsync\(IClient, CancellationToken\)](#) , [object.Equals\(object\)](#) ,
[object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

Namespace QL.Actions.ThirdParty.GCP

Classes

[GCPActionBase<TReturnType>](#)

[GCPActionBase<TArgs, TReturnType>](#)

Class GCPActionBase<TReturnType>

Namespace: [QL.Actions.ThirdParty.GCP](#)

Assembly: QL.Actions.dll

```
public abstract class GCPActionBase<TReturnType> : GCPActionBase<object>,  
TReturnType, IAction
```

Type Parameters

TReturnType

Inheritance

```
object ← ActionBase<object, TReturnType <→ GCPActionBase<object, TReturnType <→  
GCPActionBase<TReturnType>
```

Implements

[IAction](#)

Inherited Members

```
ActionBase<object, TReturnType>.Platform , ActionBase<object, TReturnType>.Initialize\(Platform\) ,  
ActionBase<object, TReturnType>.GetArguments\(\) ,  
ActionBase<object, TReturnType>.ExecuteCommandAsync\(IClient, IReadOnlyDictionary<string, object>, IReadOnlyCollection<IField>, CancellationToken\) ,  
ActionBase<object, TReturnType>.ExecuteAsync\(object, IClient, string, CancellationToken\) ,  
ActionBase<object, TReturnType>.ValidateResults\(ICommandOutput\) ,  
ActionBase<object, TReturnType>.BuildCommand\(object\) ,  
ActionBase<object, TReturnType>.GetCommandTemplate\(\) ,  
ActionBase<object, TReturnType>.GetRegex\(\) , ActionBase<object, TReturnType>.GetDeps\(\) ,  
ActionBase<object, TReturnType>.ParseCommandResults\(ICommandOutput\) ,  
ActionBase<object, TReturnType>.SetupAsync\(IClient, CancellationToken\) ,  
ActionBase<object, TReturnType>.CleanupAsync\(IClient, CancellationToken\) ,  
object.Equals\(object\) , object.Equals\(object, object\) , object.GetHashCode\(\) ,  
object.GetType\(\) , object.MemberwiseClone\(\) , object.ReferenceEquals\(object, object\) ,  
object.ToString\(\)
```

Class GCPActionBase<TArgs, TReturnType>

Namespace: [QL.Actions.ThirdParty.GCP](#)

Assembly: QL.Actions.dll

```
[Deps(new string[] { "gcloud" })]
[Namespace("gcp")]
public abstract class GCPActionBase<TArgs, TReturnType> : ActionBase<TArgs,
TReturnType>, IAction where TArgs : class, new()
```

Type Parameters

TArgs

TReturnType

Inheritance

[object](#) ↗ ← [ActionBase](#)<TArgs, TReturnType> ← GCPActionBase<TArgs, TReturnType>

Implements

[IAction](#)

Derived

[GCPActionBase](#)<TReturnType>

Inherited Members

[ActionBase](#)<TArgs, TReturnType>.Platform , [ActionBase](#)<TArgs, TReturnType>.Initialize(Platform) ,
[ActionBase](#)<TArgs, TReturnType>.GetArguments() ,
[ActionBase](#)<TArgs, TReturnType>.ExecuteCommandAsync(IClient, IReadOnlyDictionary<string, object>, IReadOnlyCollection<IField>, CancellationToken) ,
[ActionBase](#)<TArgs, TReturnType>.ExecuteAsync(TArgs, IClient, string, CancellationToken) ,
[ActionBase](#)<TArgs, TReturnType>.ValidateResults(ICommandOutput) ,
[ActionBase](#)<TArgs, TReturnType>.BuildCommand(TArgs) ,
[ActionBase](#)<TArgs, TReturnType>.GetCommandTemplate() ,
[ActionBase](#)<TArgs, TReturnType>.GetRegex() , [ActionBase](#)<TArgs, TReturnType>.GetDeps() ,
[ActionBase](#)<TArgs, TReturnType>.ParseCommandResults(ICommandOutput) ,
[ActionBase](#)<TArgs, TReturnType>.SetupAsync(IClient, CancellationToken) ,
[ActionBase](#)<TArgs, TReturnType>.CleanupAsync(IClient, CancellationToken) , [object.Equals\(object\)](#) ↗ ,
[object.Equals\(object, object\)](#) ↗ , [object.GetHashCode\(\)](#) ↗ , [object.GetType\(\)](#) ↗ ,
[object.MemberwiseClone\(\)](#) ↗ , [object.ReferenceEquals\(object, object\)](#) ↗ , [object.ToString\(\)](#) ↗

Namespace QL.Actions.ThirdParty.Github

Classes

[GithubActionBase<TReturnType>](#)

[GithubActionBase<TArgs, TReturnType>](#)

Class GithubActionBase<TReturnType>

Namespace: [QL.Actions.ThirdParty.Github](#)

Assembly: QL.Actions.dll

```
public class GithubActionBase<TReturnType> : GithubActionBase<object>,  
TReturnType, IAction
```

Type Parameters

TReturnType

Inheritance

```
object ← ActionBase<object, TReturnType <→ GithubActionBase<object, TReturnType <→  
GithubActionBase<TReturnType>
```

Implements

[IAction](#)

Inherited Members

```
ActionBase<object, TReturnType>.Platform , ActionBase<object, TReturnType>.Initialize\(Platform\) ,  
ActionBase<object, TReturnType>.GetArguments\(\) ,  
ActionBase<object, TReturnType>.ExecuteCommandAsync\(IClient, IReadOnlyDictionary<string, object>, IReadOnlyCollection<IField>, CancellationToken\) ,  
ActionBase<object, TReturnType>.ExecuteAsync\(object, IClient, string, CancellationToken\) ,  
ActionBase<object, TReturnType>.ValidateResults\(ICommandOutput\) ,  
ActionBase<object, TReturnType>.BuildCommand\(object\) ,  
ActionBase<object, TReturnType>.GetCommandTemplate\(\) ,  
ActionBase<object, TReturnType>.GetRegex\(\) , ActionBase<object, TReturnType>.GetDeps\(\) ,  
ActionBase<object, TReturnType>.ParseCommandResults\(ICommandOutput\) ,  
ActionBase<object, TReturnType>.SetupAsync\(IClient, CancellationToken\) ,  
ActionBase<object, TReturnType>.CleanupAsync\(IClient, CancellationToken\) ,  
object.Equals\(object\) , object.Equals\(object, object\) , object.GetHashCode\(\) ,  
object.GetType\(\) , object.MemberwiseClone\(\) , object.ReferenceEquals\(object, object\) ,  
object.ToString\(\)
```

Class GithubActionBase<TArgs, TReturnType>

Namespace: [QL.Actions.ThirdParty.Github](#)

Assembly: QL.Actions.dll

```
[Deps(new string[] { "gh" })]
[Namespace("github")]
public class GithubActionBase<TArgs, TReturnType> : ActionBase<TArgs, TReturnType>,
IAction where TArgs : class, new()
```

Type Parameters

TArgs

TReturnType

Inheritance

[object](#) ↗ ← [ActionBase](#)<TArgs, TReturnType> ← GithubActionBase<TArgs, TReturnType>

Implements

[IAction](#)

Derived

[GithubActionBase](#)<TReturnType>

Inherited Members

[ActionBase](#)<TArgs, TReturnType>.Platform , [ActionBase](#)<TArgs, TReturnType>.Initialize(Platform) ,
[ActionBase](#)<TArgs, TReturnType>.GetArguments() ,
[ActionBase](#)<TArgs, TReturnType>.ExecuteCommandAsync(IClient, IReadOnlyDictionary<string, object>, IReadOnlyCollection<IField>, CancellationToken) ,
[ActionBase](#)<TArgs, TReturnType>.ExecuteAsync(TArgs, IClient, string, CancellationToken) ,
[ActionBase](#)<TArgs, TReturnType>.ValidateResults(ICommandOutput) ,
[ActionBase](#)<TArgs, TReturnType>.BuildCommand(TArgs) ,
[ActionBase](#)<TArgs, TReturnType>.GetCommandTemplate() ,
[ActionBase](#)<TArgs, TReturnType>.GetRegex() , [ActionBase](#)<TArgs, TReturnType>.GetDeps() ,
[ActionBase](#)<TArgs, TReturnType>.ParseCommandResults(ICommandOutput) ,
[ActionBase](#)<TArgs, TReturnType>.SetupAsync(IClient, CancellationToken) ,
[ActionBase](#)<TArgs, TReturnType>.CleanupAsync(IClient, CancellationToken) , [object.Equals\(object\)](#) ↗ ,
[object.Equals\(object, object\)](#) ↗ , [object.GetHashCode\(\)](#) ↗ , [object.GetType\(\)](#) ↗ ,
[object.MemberwiseClone\(\)](#) ↗ , [object.ReferenceEquals\(object, object\)](#) ↗ , [object.ToString\(\)](#) ↗

Namespace QL.FieldTransforms

Classes

[FieldTransformsLookup](#)

Class FieldTransformsLookup

Namespace: [QL.FieldTransforms](#)

Assembly: QL.FieldTransforms.dll

```
public static class FieldTransformsLookup
```

Inheritance

[object](#) ← FieldTransformsLookup

Inherited Members

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

Methods

Get(string)

```
public static FieldTransformMetadata Get(string name)
```

Parameters

name [string](#)

Returns

[FieldTransformMetadata](#)

Namespace QL.FieldTransforms.Standard. Conversions

Classes

[ToGigabytes](#)

[ToGigabytesArguments](#)

[ToKilobytes](#)

[ToKilobytesArguments](#)

[ToMegabytes](#)

[ToMegabytesArguments](#)

[ToTerabytes](#)

[ToTerabytesArguments](#)

Class ToGigabytes

Namespace: [QL.FieldTransforms.Standard.Conversions](#)

Assembly: QL.FieldTransforms.dll

```
public class ToGigabytes : FieldTransformBase<ToGigabytesArguments,  
double>, IFieldTransform
```

Inheritance

[object](#) ← [FieldTransformBase<ToGigabytesArguments, double>](#) ← [ToGigabytes](#)

Implements

[IFieldTransform](#)

Inherited Members

[FieldTransformBase<ToGigabytesArguments, double>.Apply\(object, IReadOnlyDictionary<string, object>\)](#) ,
[FieldTransformBase<ToGigabytesArguments, double>.Execute\(object, ToGigabytesArguments\)](#) ,
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

Execute(object, ToGigabytesArguments)

```
protected override double Execute(object value, ToGigabytesArguments arguments)
```

Parameters

value [object](#)

arguments [ToGigabytesArguments](#)

Returns

[double](#)

Class ToGigabytesArguments

Namespace: [QL.FieldTransforms.Standard.Conversions](#)

Assembly: QL.FieldTransforms.dll

```
public record ToGigabytesArguments : IEquatable<ToGigabytesArguments>
```

Inheritance

[object](#) ← ToGigabytesArguments

Implements

[IEquatable](#)<[ToGigabytesArguments](#)>

Inherited Members

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

Class ToKilobytes

Namespace: [QL.FieldTransforms.Standard.Conversions](#)

Assembly: QL.FieldTransforms.dll

```
public class ToKilobytes : FieldTransformBase<ToKilobytesArguments,  
double>, IFieldTransform
```

Inheritance

[object](#) ← [FieldTransformBase<ToKilobytesArguments, double>](#) ← [ToKilobytes](#)

Implements

[IFieldTransform](#)

Inherited Members

[FieldTransformBase<ToKilobytesArguments, double>.Apply\(object, IReadOnlyDictionary<string, object>\)](#),
[FieldTransformBase<ToKilobytesArguments, double>.Execute\(object, ToKilobytesArguments\)](#),
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

Execute(object, ToKilobytesArguments)

```
protected override double Execute(object value, ToKilobytesArguments arguments)
```

Parameters

value [object](#)

arguments [ToKilobytesArguments](#)

Returns

[double](#)

Class ToKilobytesArguments

Namespace: [QL.FieldTransforms.Standard.Conversions](#)

Assembly: QL.FieldTransforms.dll

```
public record ToKilobytesArguments : IEquatable<ToKilobytesArguments>
```

Inheritance

[object](#) ← ToKilobytesArguments

Implements

[IEquatable](#)<[ToKilobytesArguments](#)>

Inherited Members

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

Class ToMegabytes

Namespace: [QL.FieldTransforms.Standard.Conversions](#)

Assembly: QL.FieldTransforms.dll

```
public class ToMegabytes : FieldTransformBase<ToMegabytesArguments,  
double>, IFieldTransform
```

Inheritance

[object](#) ← [FieldTransformBase<ToMegabytesArguments, double>](#) ← [ToMegabytes](#)

Implements

[IFieldTransform](#)

Inherited Members

[FieldTransformBase<ToMegabytesArguments, double>.Apply\(object, IReadOnlyDictionary<string, object>\)](#),
[FieldTransformBase<ToMegabytesArguments, double>.Execute\(object, ToMegabytesArguments\)](#),
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

Execute(object, ToMegabytesArguments)

```
protected override double Execute(object value, ToMegabytesArguments arguments)
```

Parameters

value [object](#)

arguments [ToMegabytesArguments](#)

Returns

[double](#)

Class ToMegabytesArguments

Namespace: [QL.FieldTransforms.Standard.Conversions](#)

Assembly: QL.FieldTransforms.dll

```
public record ToMegabytesArguments : IEquatable<ToMegabytesArguments>
```

Inheritance

[object](#) ← ToMegabytesArguments

Implements

[IEquatable](#)<[ToMegabytesArguments](#)>

Inherited Members

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

Class ToTerabytes

Namespace: [QL.FieldTransforms.Standard.Conversions](#)

Assembly: QL.FieldTransforms.dll

```
public class ToTerabytes : FieldTransformBase<ToTerabytesArguments,  
double>, IFieldTransform
```

Inheritance

[object](#) ← [FieldTransformBase<ToTerabytesArguments, double>](#) ← [ToTerabytes](#)

Implements

[IFieldTransform](#)

Inherited Members

[FieldTransformBase<ToTerabytesArguments, double>.Apply\(object, IReadOnlyDictionary<string, object>\)](#),
[FieldTransformBase<ToTerabytesArguments, double>.Execute\(object, ToTerabytesArguments\)](#),
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,
[object.GetType\(\)](#) , [object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) ,
[object.ToString\(\)](#)

Methods

Execute(object, ToTerabytesArguments)

```
protected override double Execute(object value, ToTerabytesArguments arguments)
```

Parameters

value [object](#)

arguments [ToTerabytesArguments](#)

Returns

[double](#)

Class ToTerabytesArguments

Namespace: [QL.FieldTransforms.Standard.Conversions](#)

Assembly: QL.FieldTransforms.dll

```
public record ToTerabytesArguments : IEquatable<ToTerabytesArguments>
```

Inheritance

[object](#) ← ToTerabytesArguments

Implements

[IEquatable](#)<[ToTerabytesArguments](#)>

Inherited Members

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