

# 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

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# 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\(\)](#)