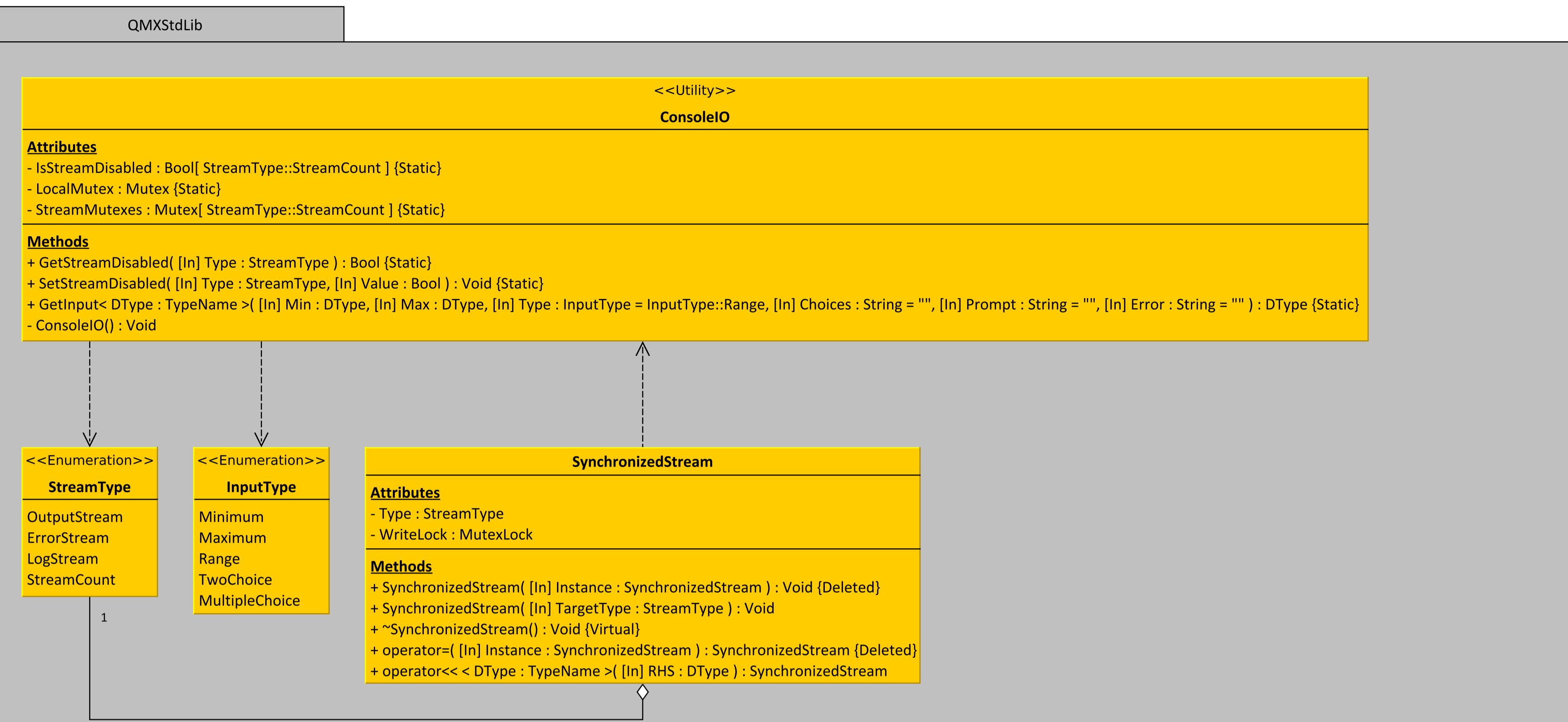
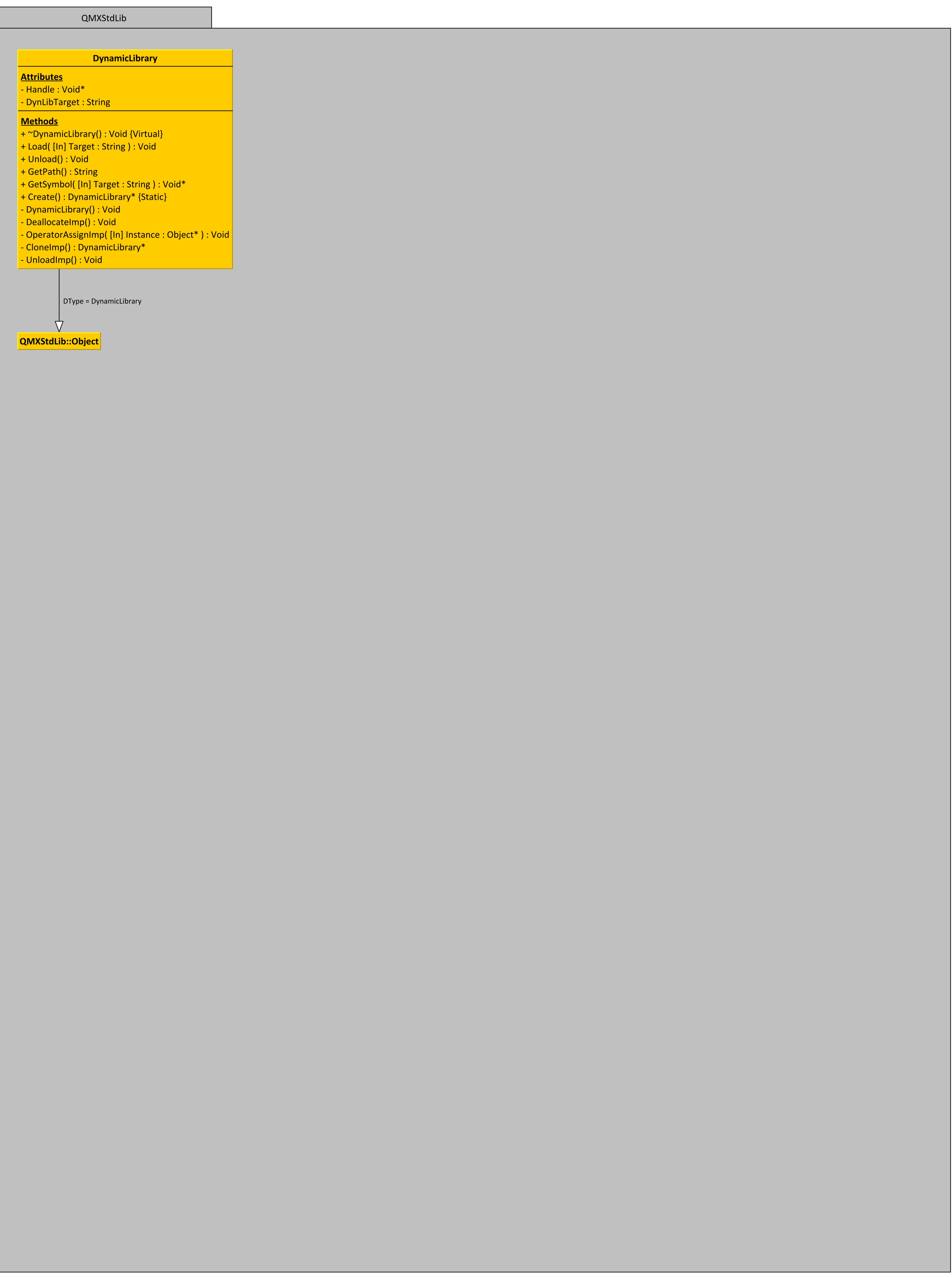


**UML Class Diagrams
for
QMX Standard Library**

QMXStdLib::ConsoleIO - Class Diagram



QMXStdLib::DynamicLibrary - Class Diagram



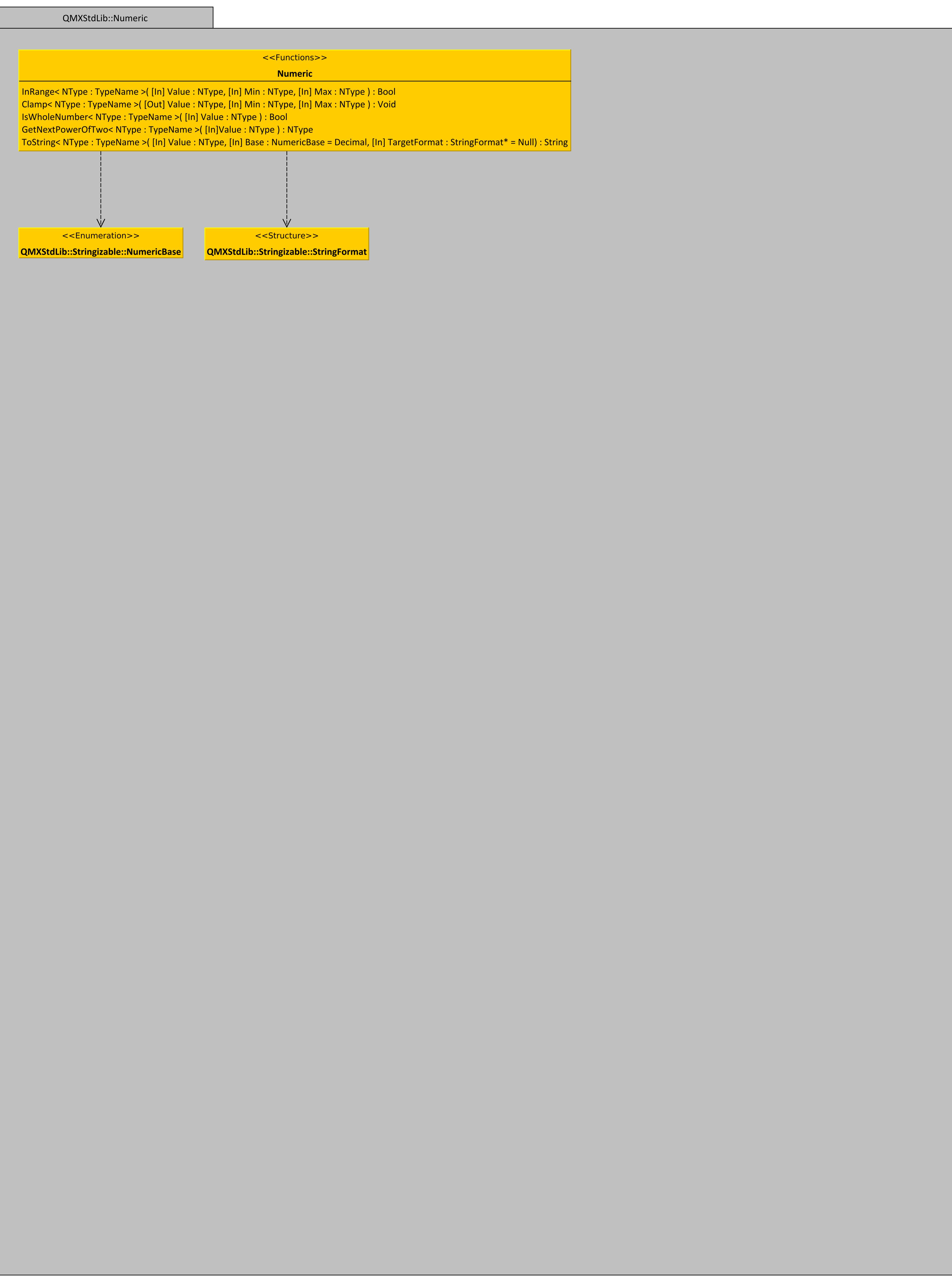
QMXStdLib::FileSystem - Class Diagram

QMXStdLib::FileSystem

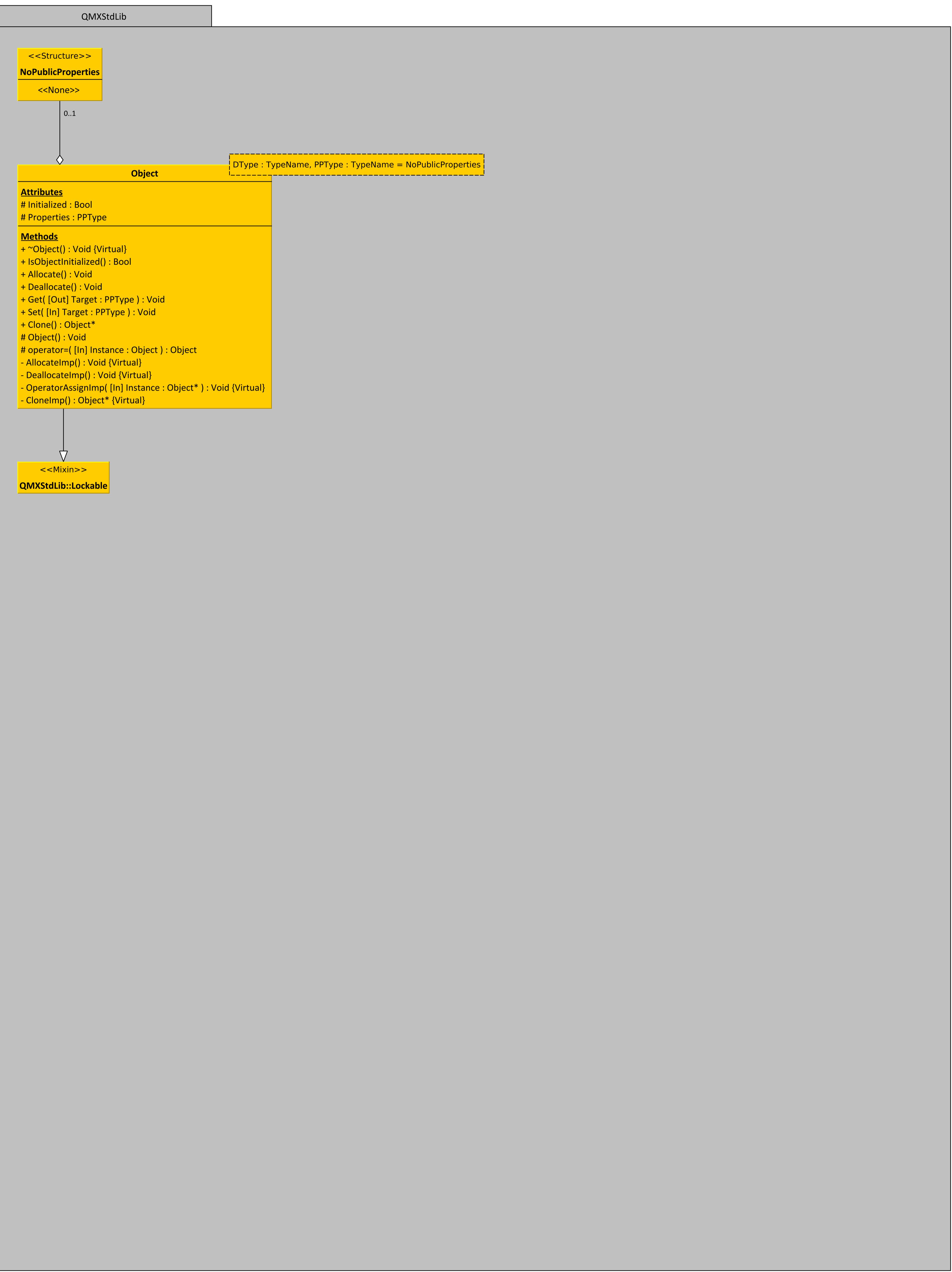
<<Functions>>
FileSystem

Parse([Out] Target : String) : Void
MakeCanonical([In] Target : String, [In] Base : String = "") : String
ReadSymlink([In] Target : String) : String
CreateLink([In] Source : String, [In] Link : String, [In] IsHardLink : Bool = False) : Void
Copy([In] Source : String, [In] Destination : String, [In] IsRecursive : Bool = True, [In] OverwriteExisting : Bool = False) : Void
RunCommand([In] Command : Char* = Null, [In] SuccessValue : Int = 0) : Bool

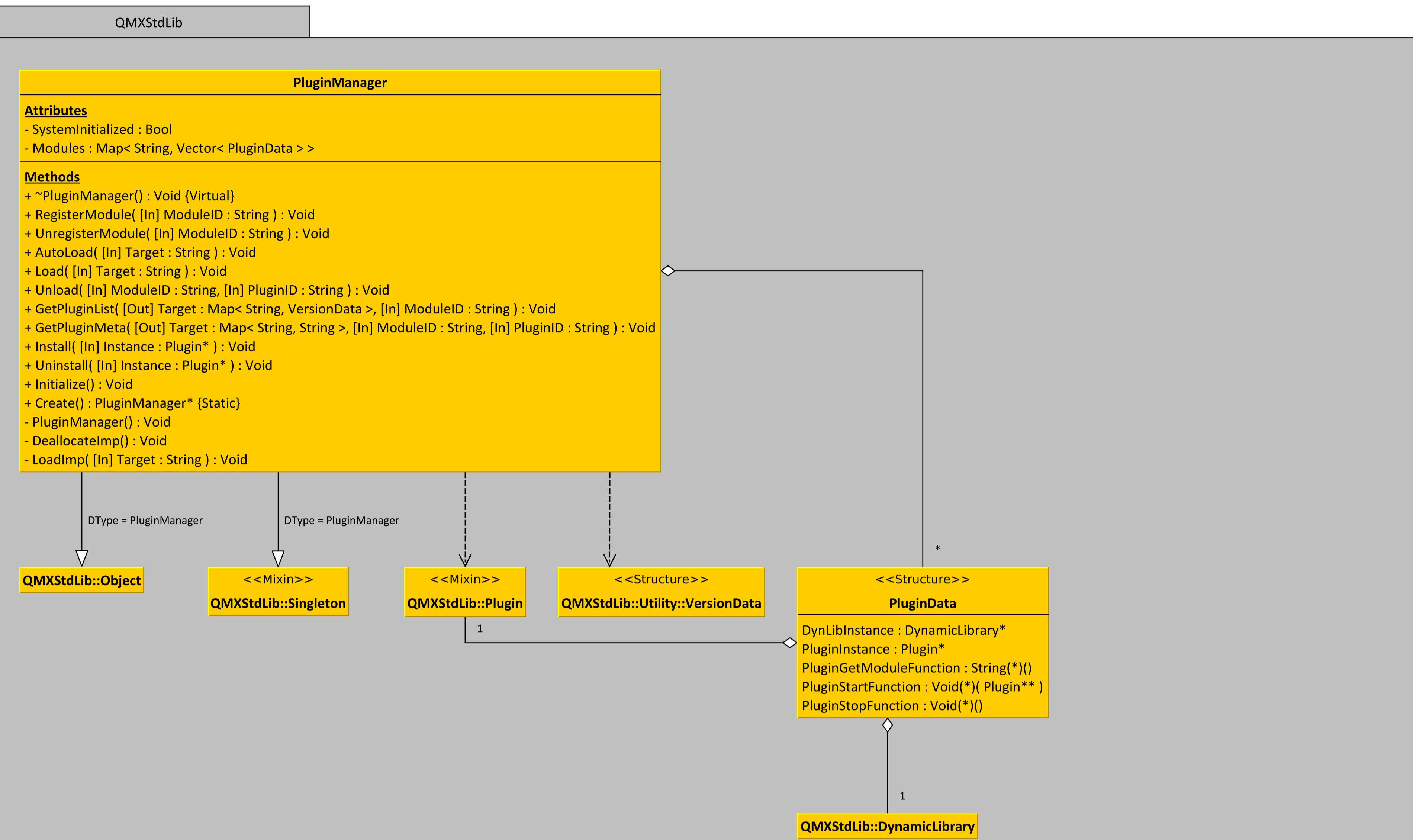
QMXStdLib::Numeric - Class Diagram



QMXStdLib::Object - Class Diagram



QMXStdLib::PluginManager - Class Diagram



QMXStdLib::ProgramOptions - Class Diagram

QMXStdLib

ProgramOptions

Attributes

- ToggleOptions : Set< String >
- CommandOptions : Set< String >
- ConfigOptions : Map< String, Map< String, String > >
- PositionalOptions : Vector< String >

Methods

- + ~ProgramOptions() : Void {Virtual}
- + ParseCommandLine([In] ArgumentCount : Int, [In] ArgumentValues : Char*[*]) : Void
- + ParseConfigFile([In] ConfigPath : String) : Void
- + SaveConfigFile([In] ConfigPath : String) : Void
- + IsToggleOptionPresent([In] TargetOption : String) : Bool
- + IsCommandOptionPresent([In] TargetOption : String) : Bool
- + GetConfigOption([In] TargetOption : String) : String
- + SetConfigOption([In] TargetOption : String, [In] TargetValue : String, [In] DoCreate : Bool = false) : Void
- + RemoveConfigOption([In] TargetOption : String) : Void
- + GetPositionalOption([In] TargetIndex : UInt) : String
- + Create() : ProgramOptions* {Static}
- ProgramOptions() : Void
- DeallocateImpl() : Void
- ExtractGroup([Out] Target : String) : String

↓
DType = ProgramOptions

↓
DType = ProgramOptions

QMXStdLib::Object

<<Mixin>>
QMXStdLib::Singleton

QMXStdLib::QMXException - Class Diagram

QMXStdLib

QMXException

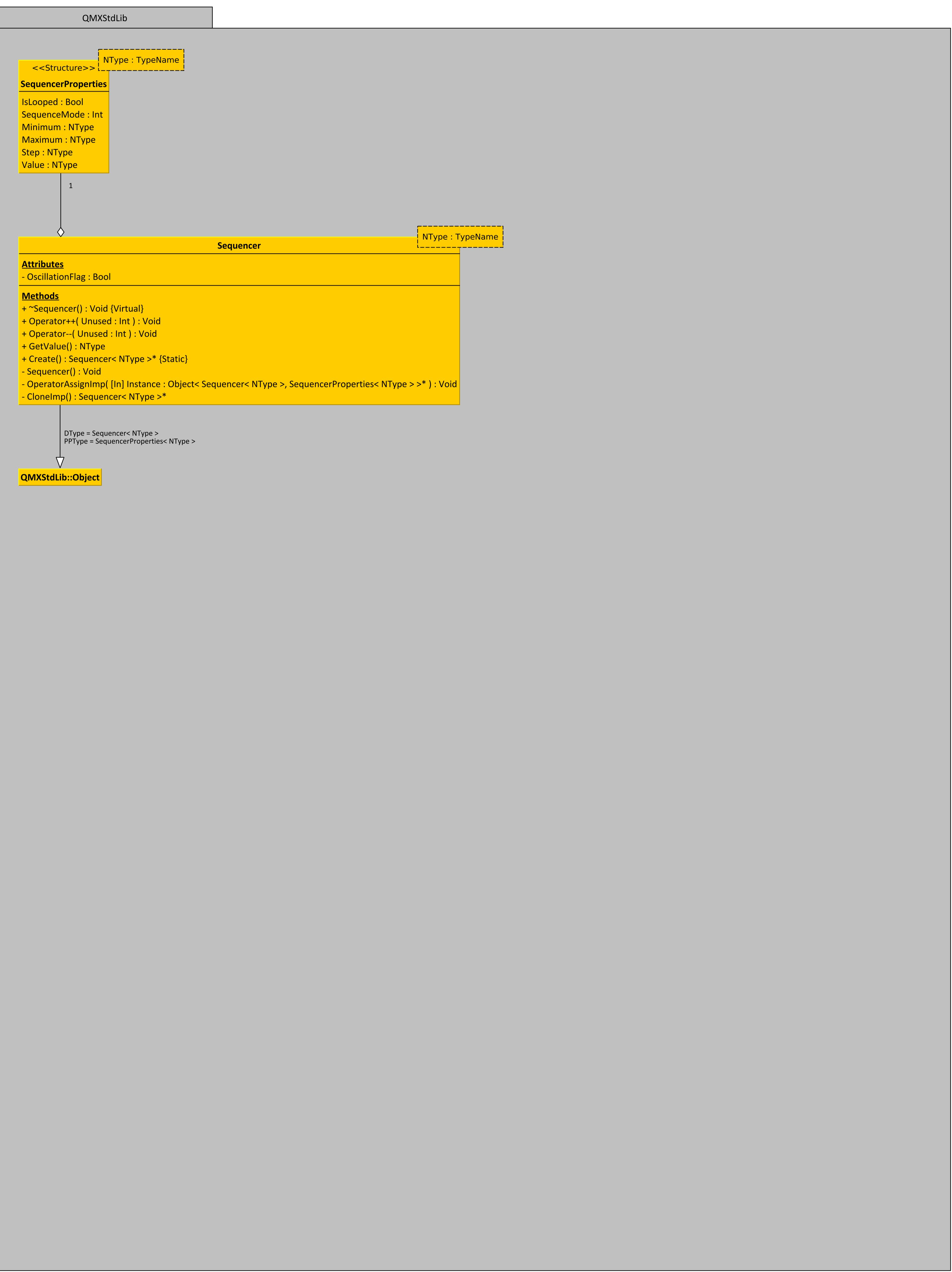
Attributes

- RootID : Char[*]
- ModuleID : Char[*]
- EventIndex : Char[*]
- EventData : Char[*]
- StackTrace : Char[*]
- Message : Char[*]
- Buffer : Char[*]

Methods

- + QMXException() : Void
- + QMXException([In] TargetRootID : Char*, [In] TargetModuleID : Char*, [In] TargetEventIndex : Char*, [In] TargetEventData : Char* = "", [In] TargetStackTrace : Char* = "") : Void
- + ~QMXException() : Void {Virtual}
- + GetRootID() : Char*
- + GetModuleID() : Char*
- + GetEventIndex() : Char*
- + GetEventData() : Char*
- + GetStackTrace() : Char*
- + GetMessage() : Char*

QMXStdLib::Sequencer - Class Diagram



QMXStdLib::StackTracer - Class Diagram

QMXStdLib

<<Utility>>
StackTracer

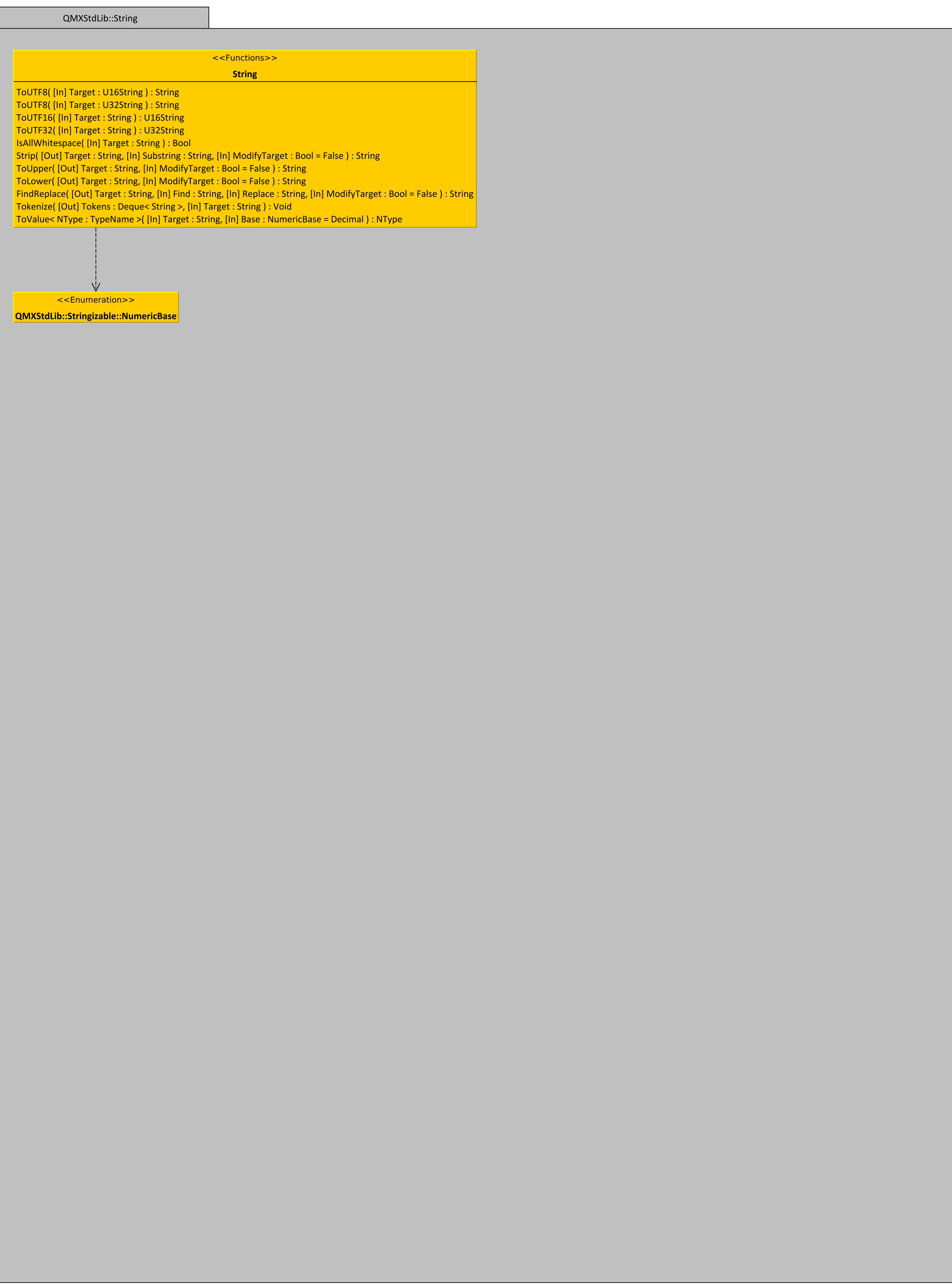
Attributes

- LocalMutex : Mutex {Static}
- IsEnabled : Bool {Static}
- ThreadID : String {TLS, Static}
- StackTraces : Map< String, Vector< String > > {Static}

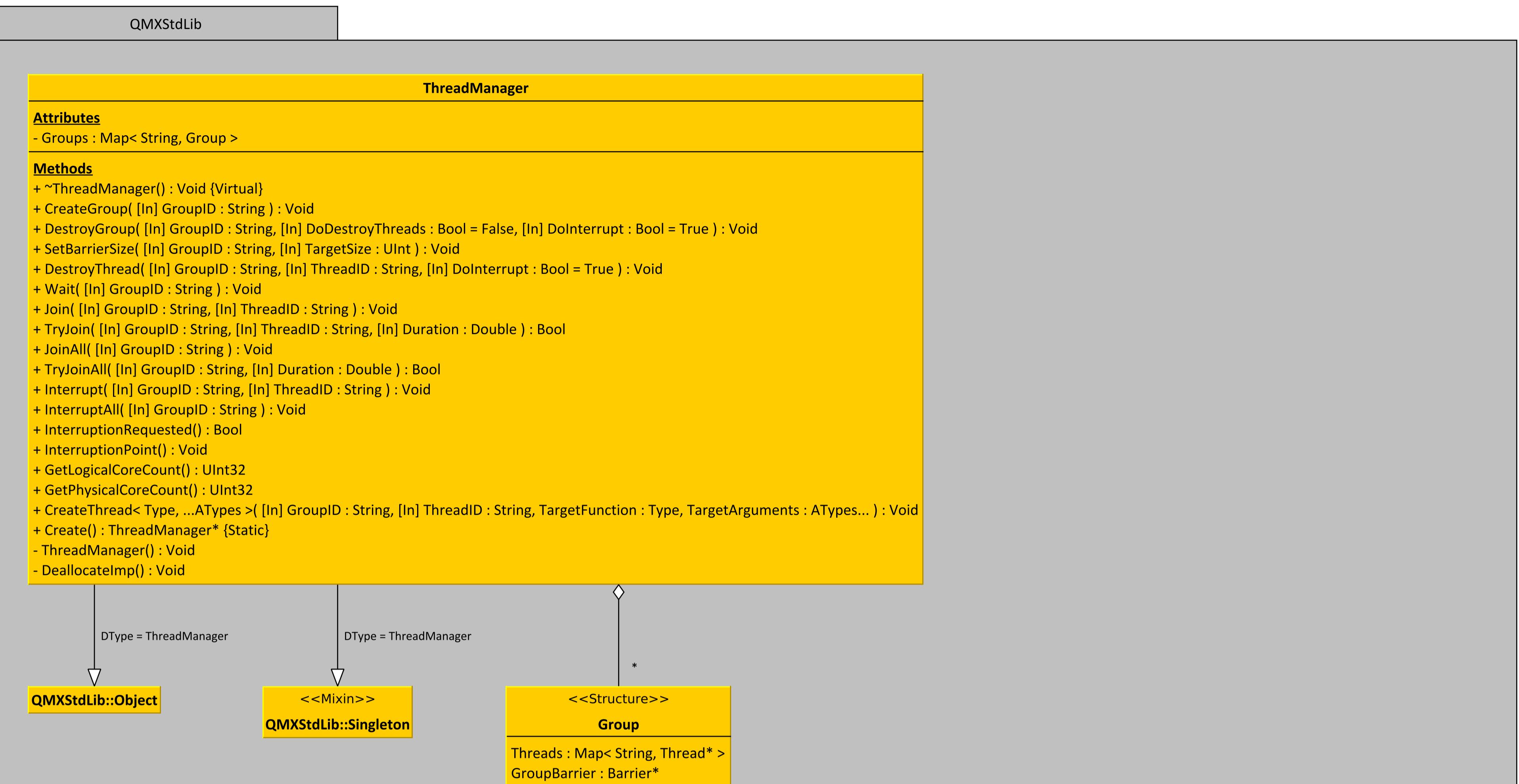
Methods

- + GetEnabled() : Bool {Static}
- + SetEnabled([In] TargetValue : Bool) : Void {Static}
- + GetThreadID() : String {Static}
- + SetThreadID([In] Target : String) : Void {Static}
- + AddThread([In] BaseStackTrace : String) : Void {Static}
- + RemoveThread() : Void {Static}
- + Push([In] Entry : String) : Void {Static}
- + Pop() : Void {Static}
- + GetStackTrace() : String {Static}
- + Reset() : Void {Static}
- StackTracer() : Void

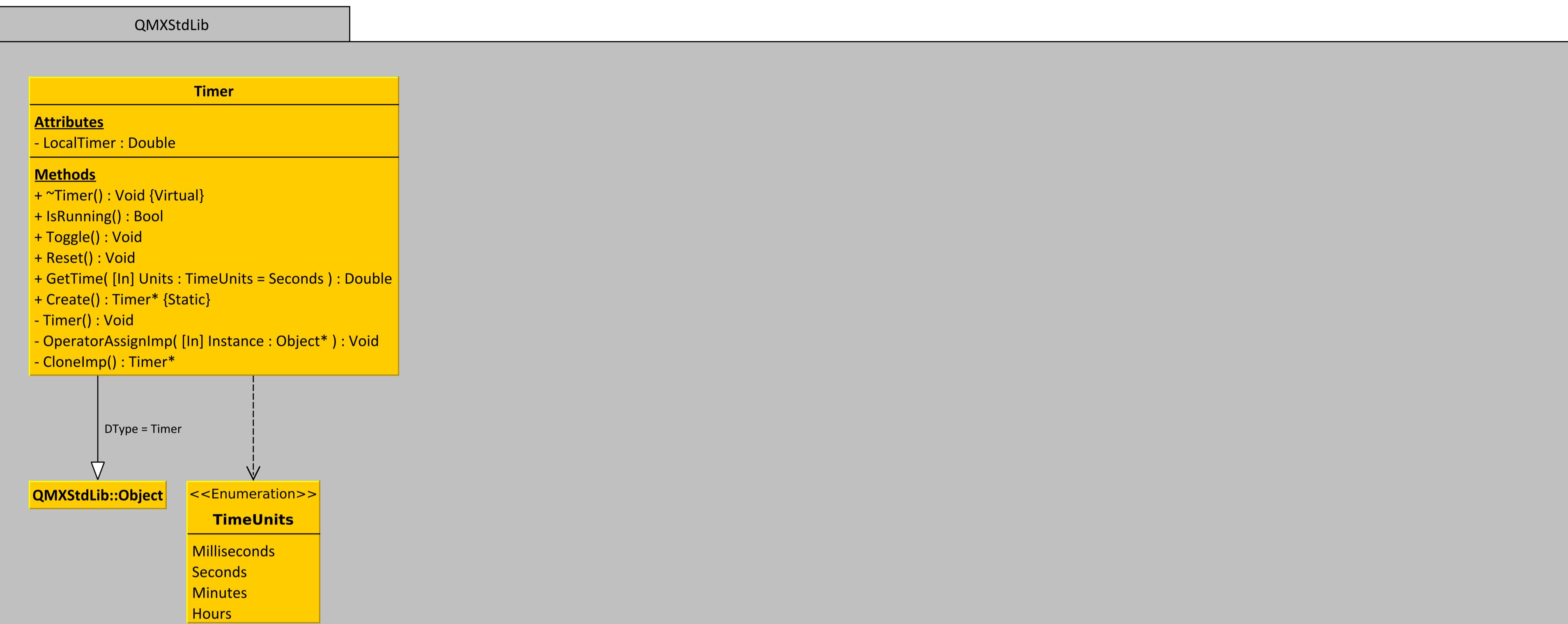
QMXStdLib::String - Class Diagram



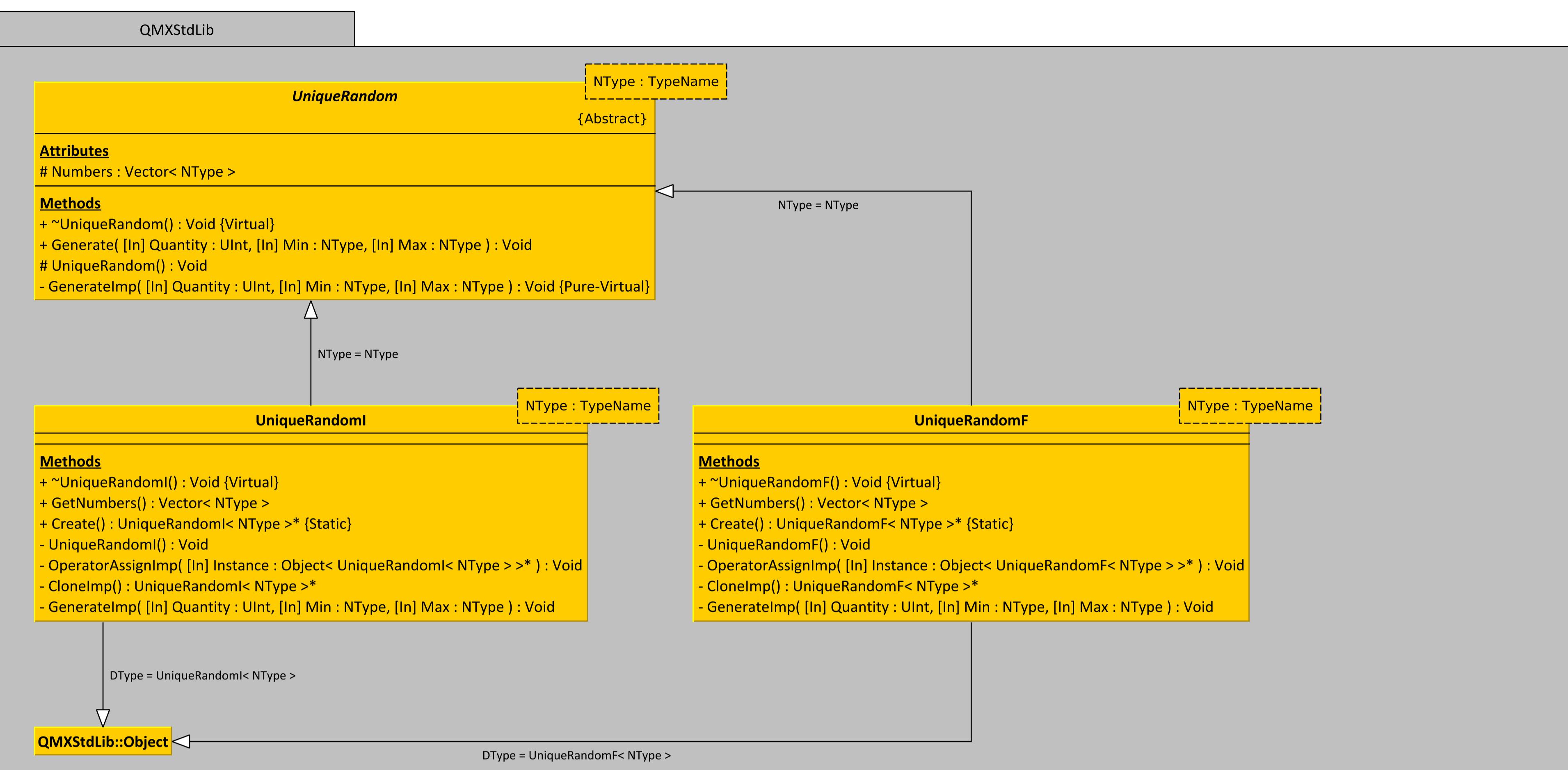
QMXStdLib::ThreadManager - Class Diagram



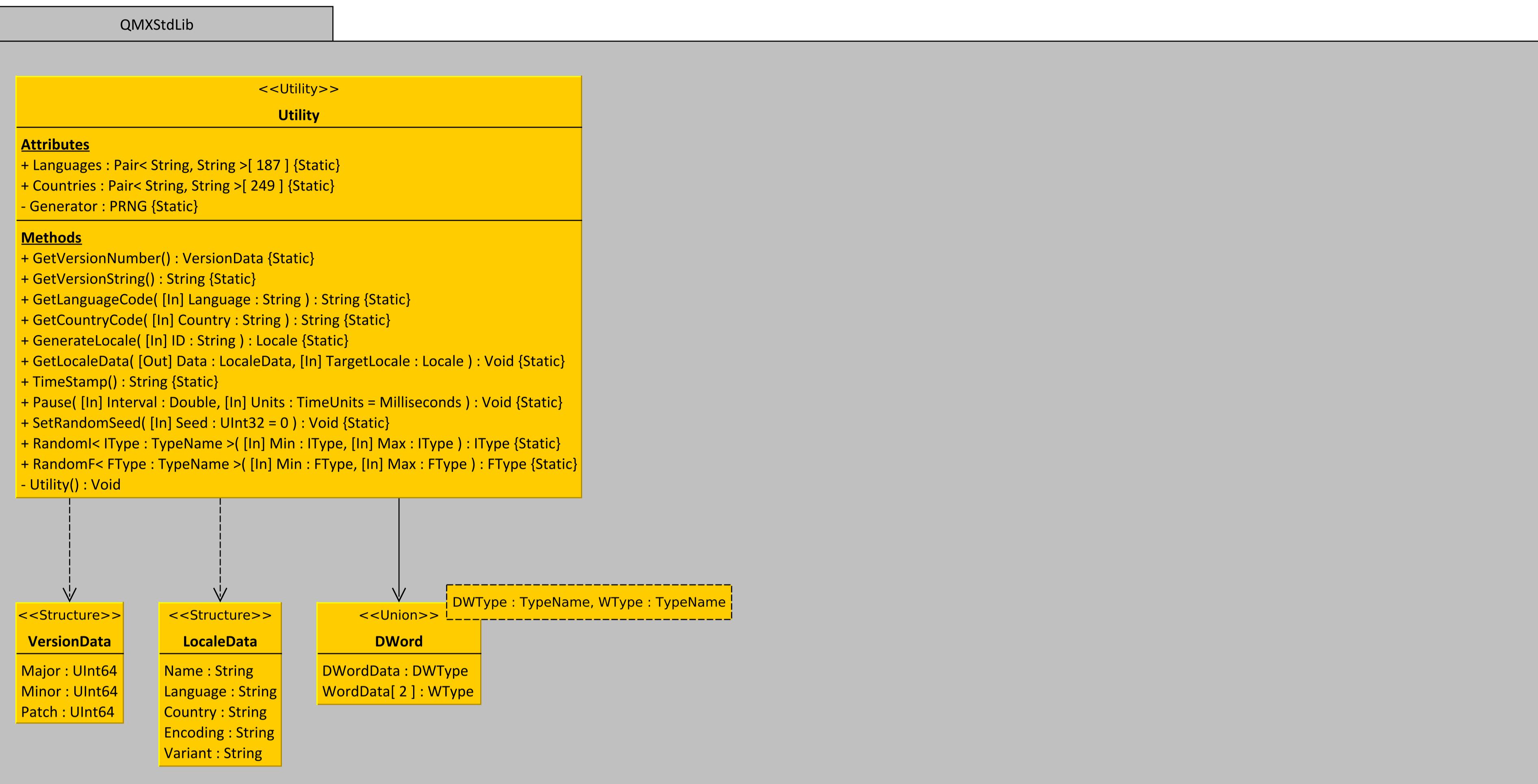
QMXStdLib::Timer - Class Diagram



QMXStdLib::UniqueRandom - Class Diagram



QMXStdLib::Utility - Class Diagram



QMXStdLib::Lockable - Class Diagram

QMXStdLib

<<Mixin>>

Lockable

Attributes

LocalMutex : Mutex

Methods

+ Lockable() : Void

+ ~Lockable() : Void {Virtual}

+ GetMutex() : Mutex

QMXStdLib::NonCopyable - Class Diagram (DEPRECATED)



QMXStdLib::Plugin - Class Diagram



QMXStdLib::Singleton - Class Diagram



QMXStdLib::Stringizable - Class Diagram



QMXStdLib::ScopedStackTrace - Class Diagram

QMXStdLib

<<RAII>>
ScopedStackTrace

Methods

+ ScopedStackTrace([In] Instance : ScopedStackTrace) : Void {Deleted}
+ ScopedStackTrace([In] Entry : String) : Void
+ ~ScopedStackTrace() : Void
+ operator=([In] Instance : ScopedStackTrace) : ScopedStackTrace {Deleted}