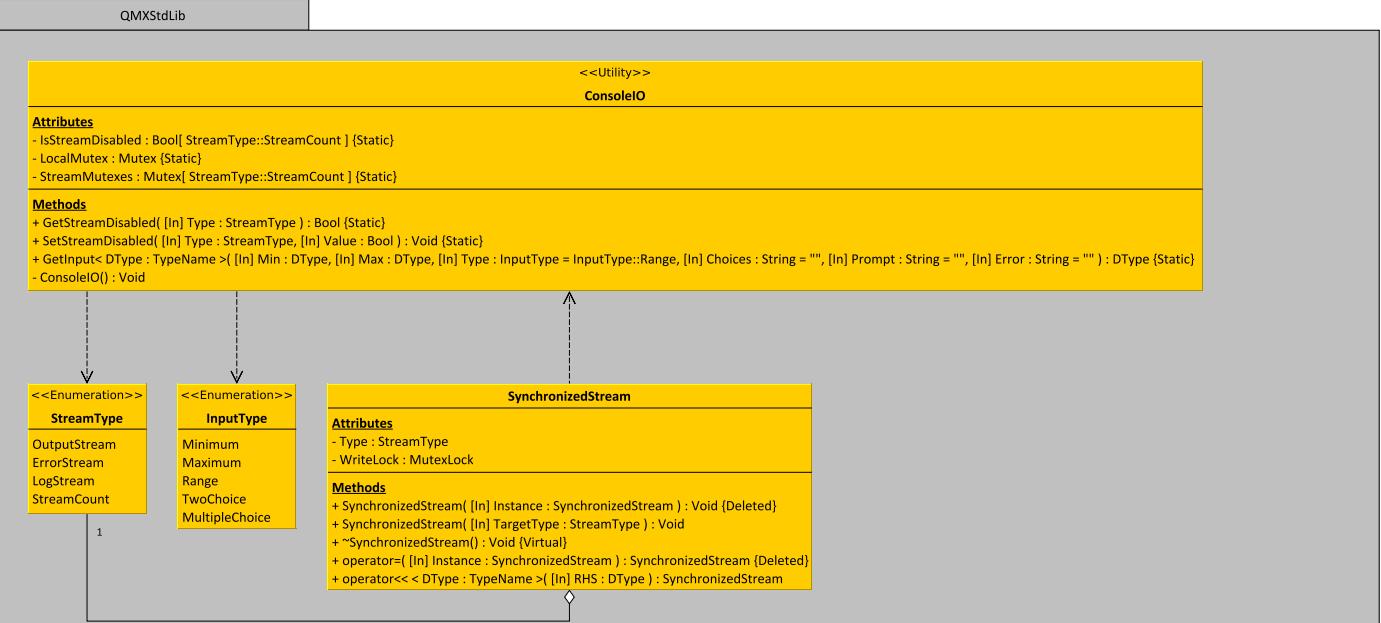
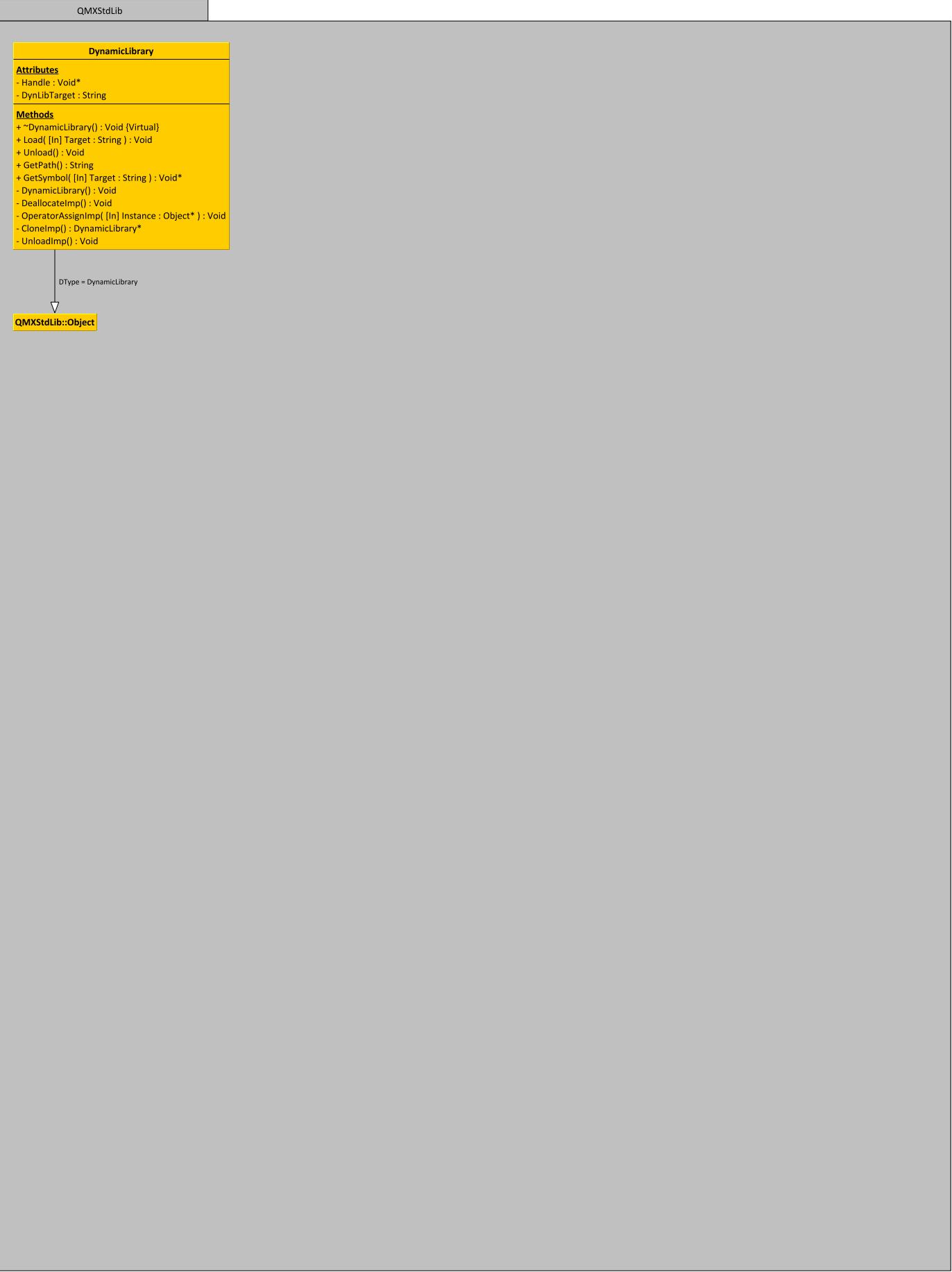


**UML Class Diagrams  
for  
QMX Standard Library**

## QMXStdLib::ConsoleIO - Class Diagram



## QMXStdLib::DynamicLibrary - Class Diagram



## QMXStdLib::FileSystem - Class Diagram

QMXStdLib::FileSystem

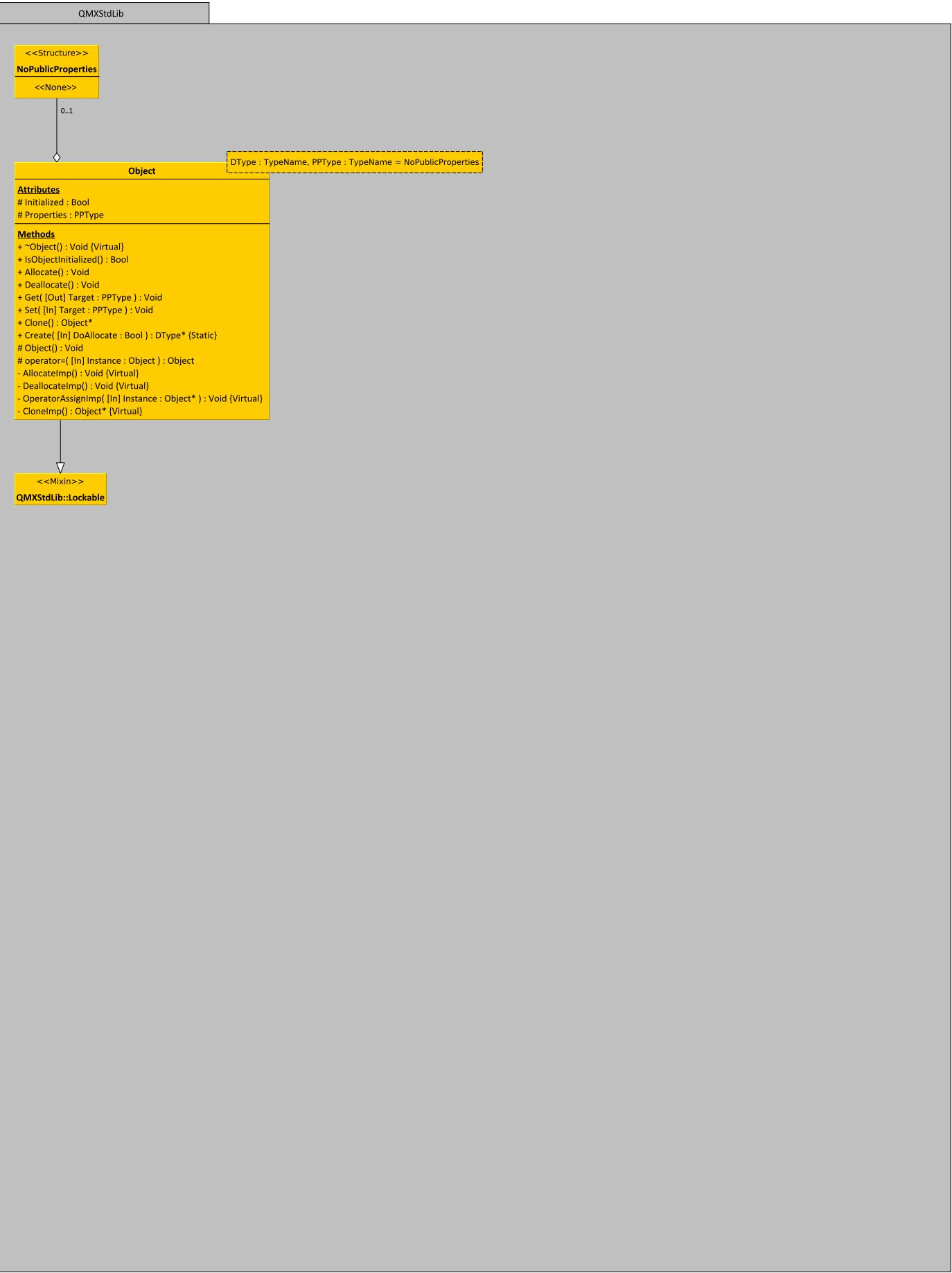
<<Functions>>  
FileSystem

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

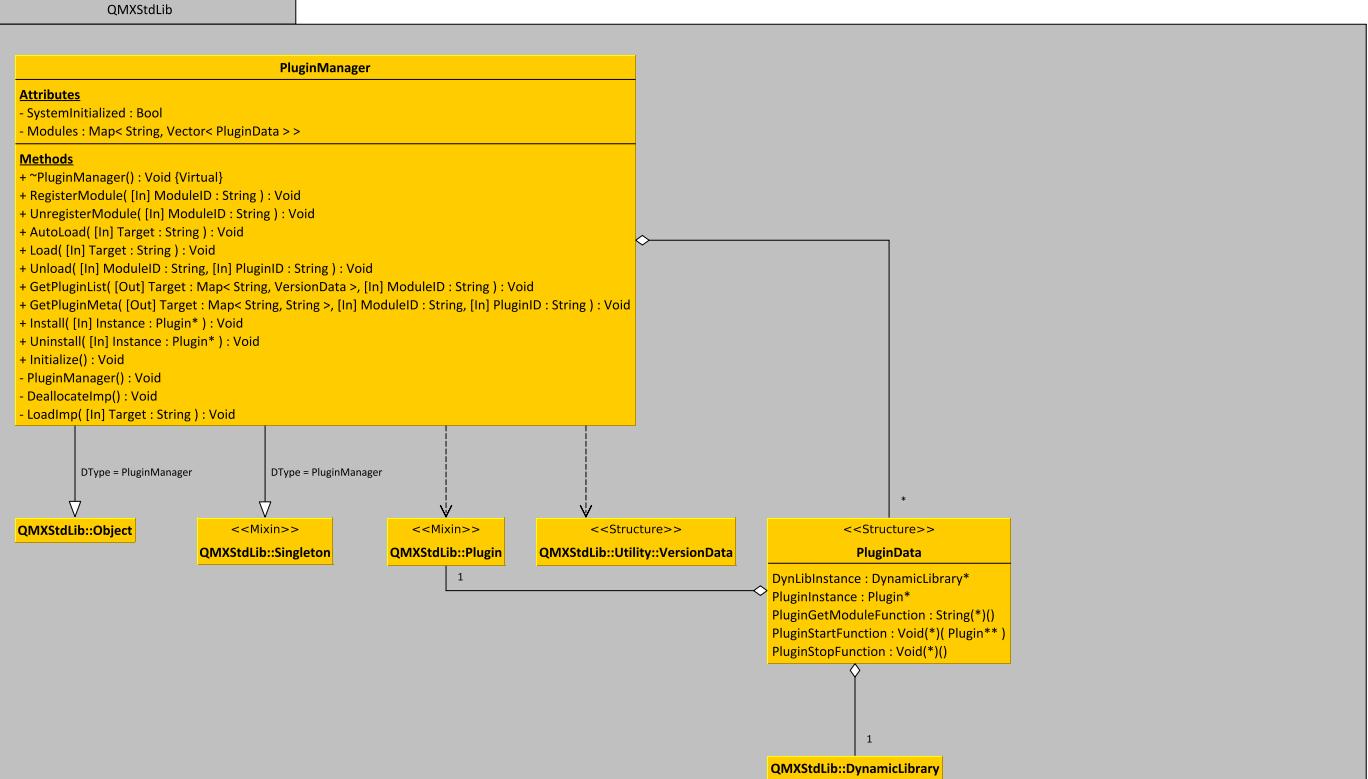
## QMXStdLib::Numeric - Class Diagram



## QMXStdLib::Object - Class Diagram



## QMXStdLib::PluginManager - Class Diagram



## QMXStdLib::ProgramOptions - Class Diagram



## QMXStdLib::QMXException - Class Diagram

QMXStdLib

### QMXException

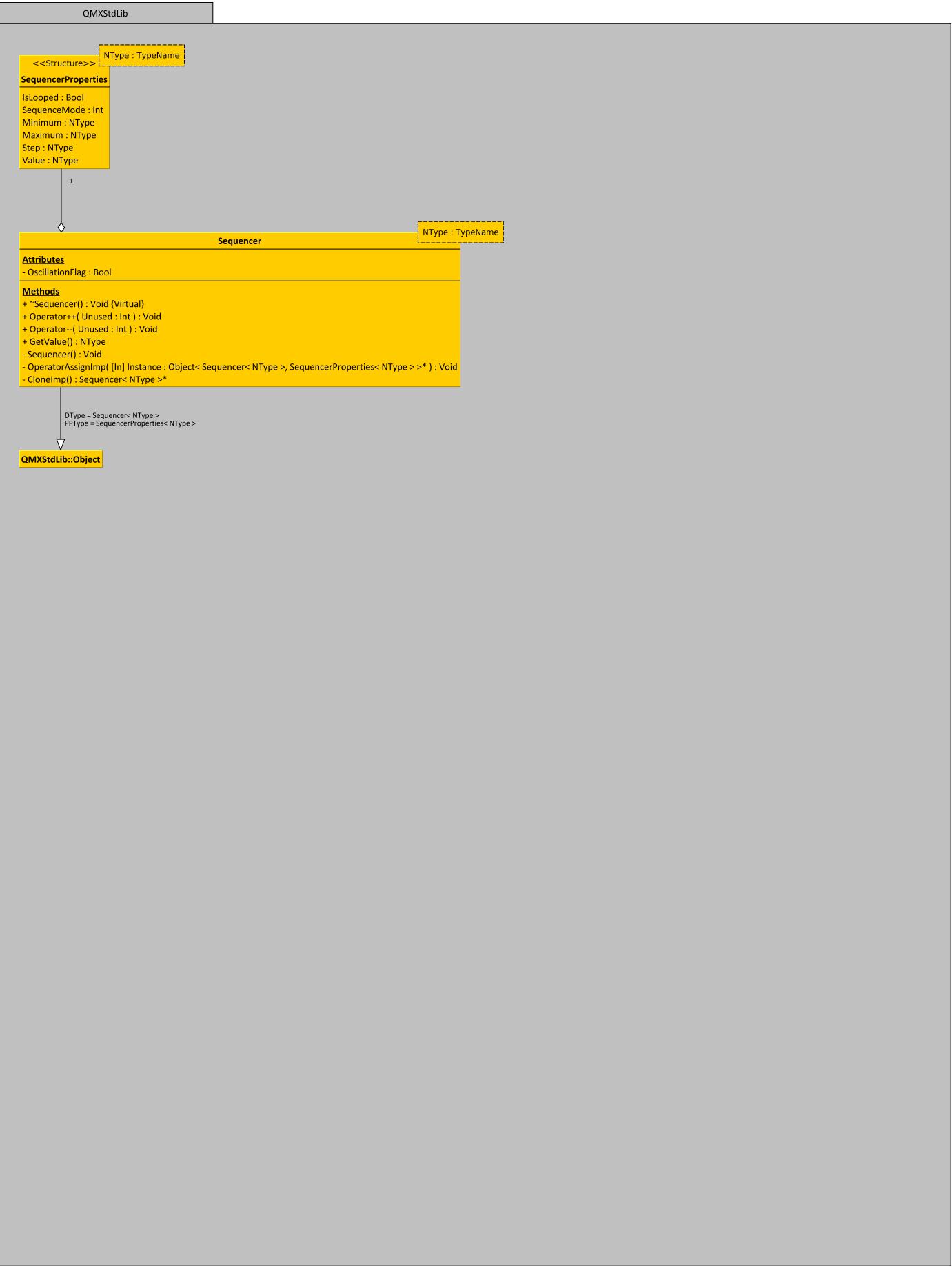
#### Attributes

- 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

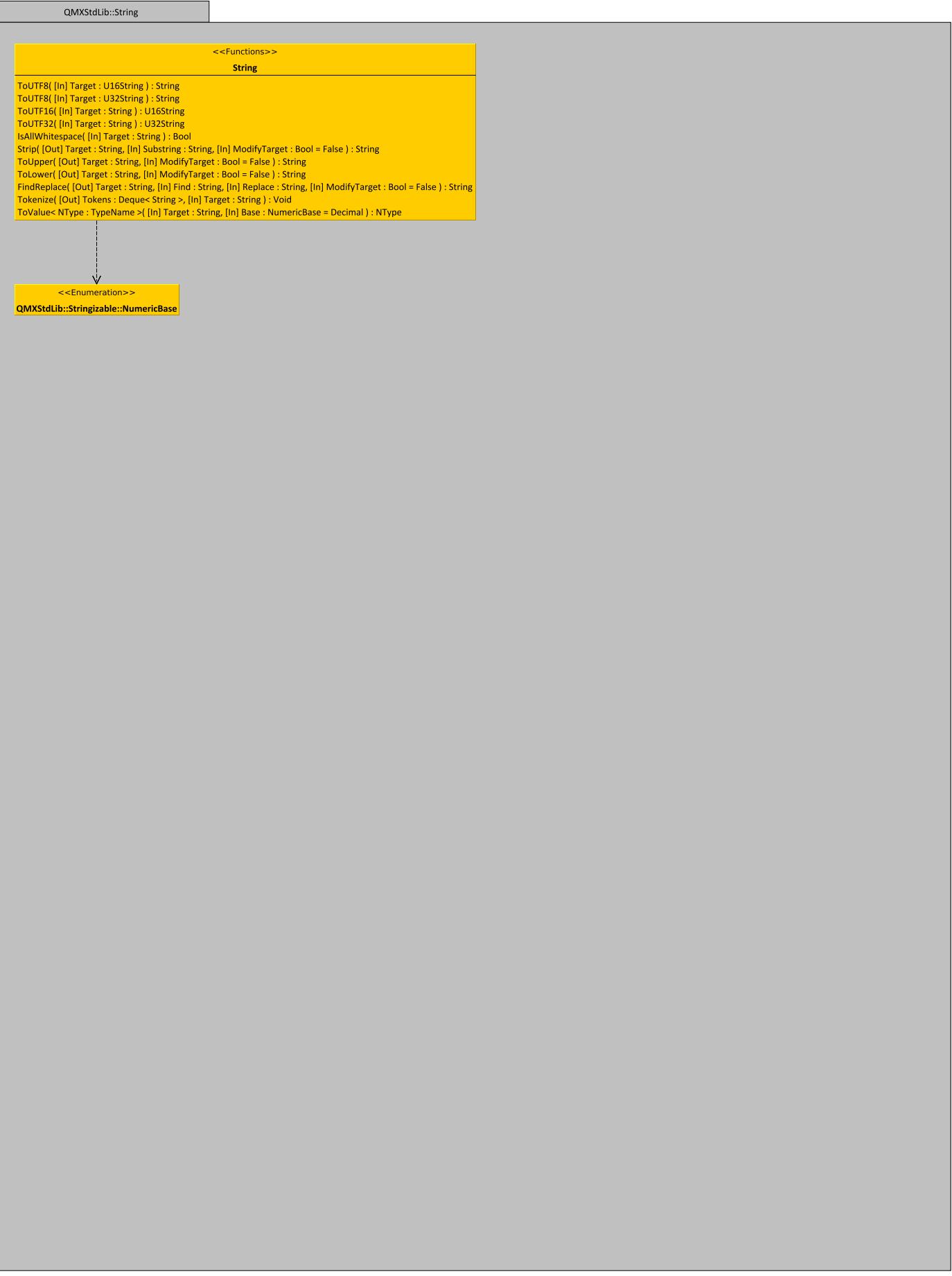
### Attributes

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

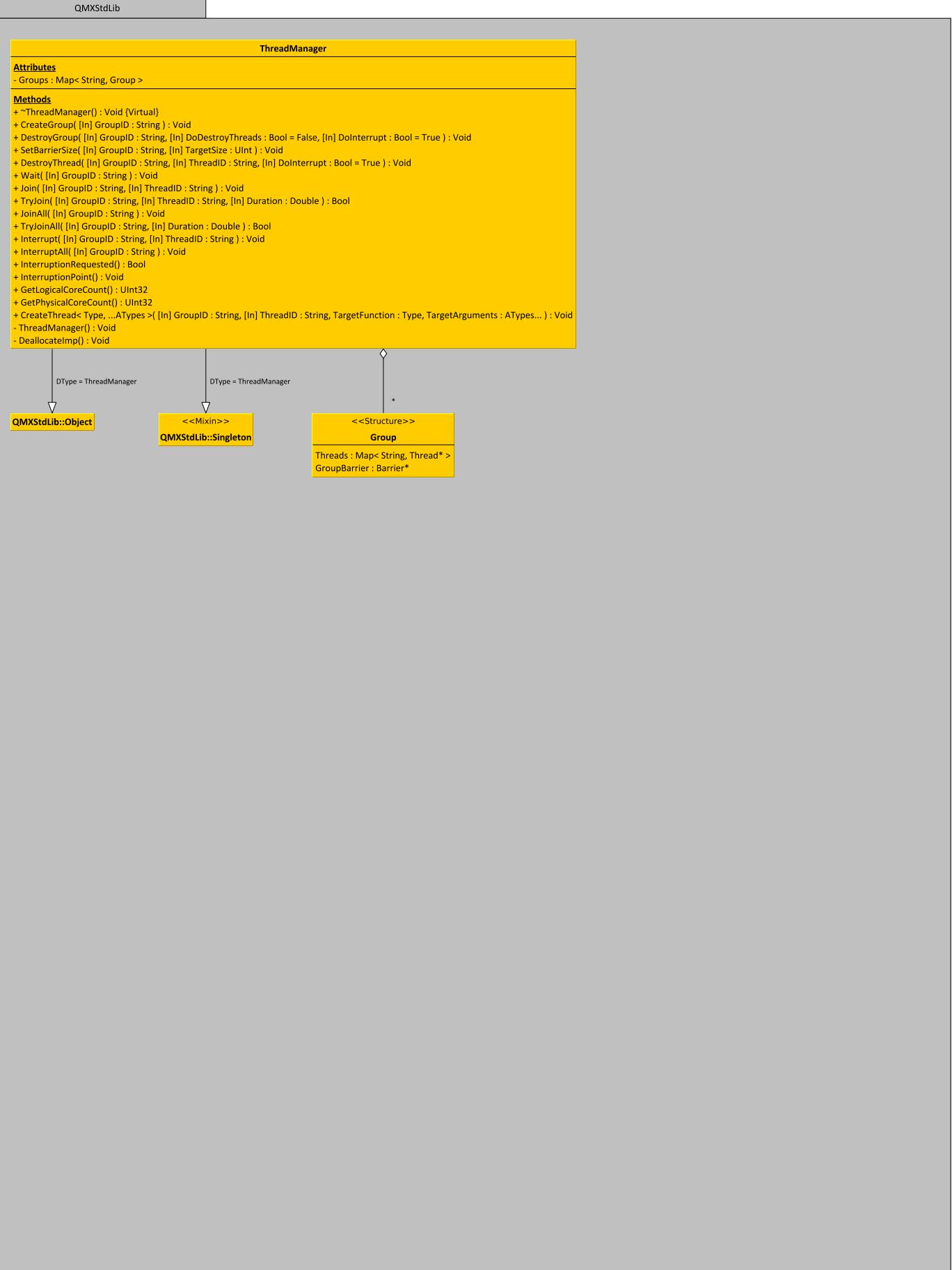
### Methods

+ 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

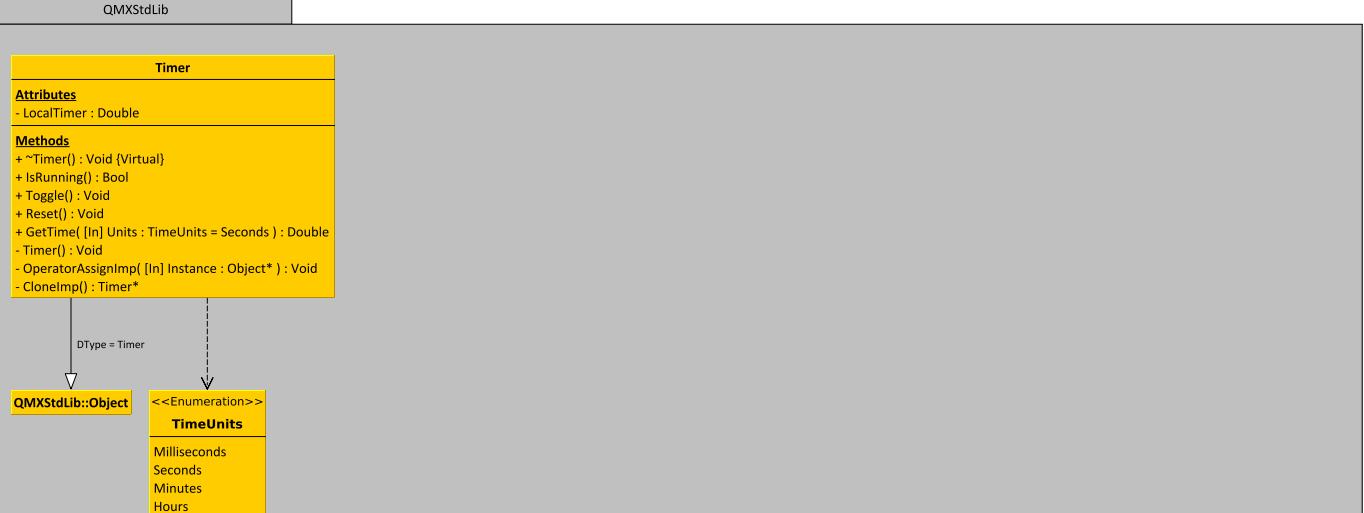
## QMXStdLib::String - Class Diagram



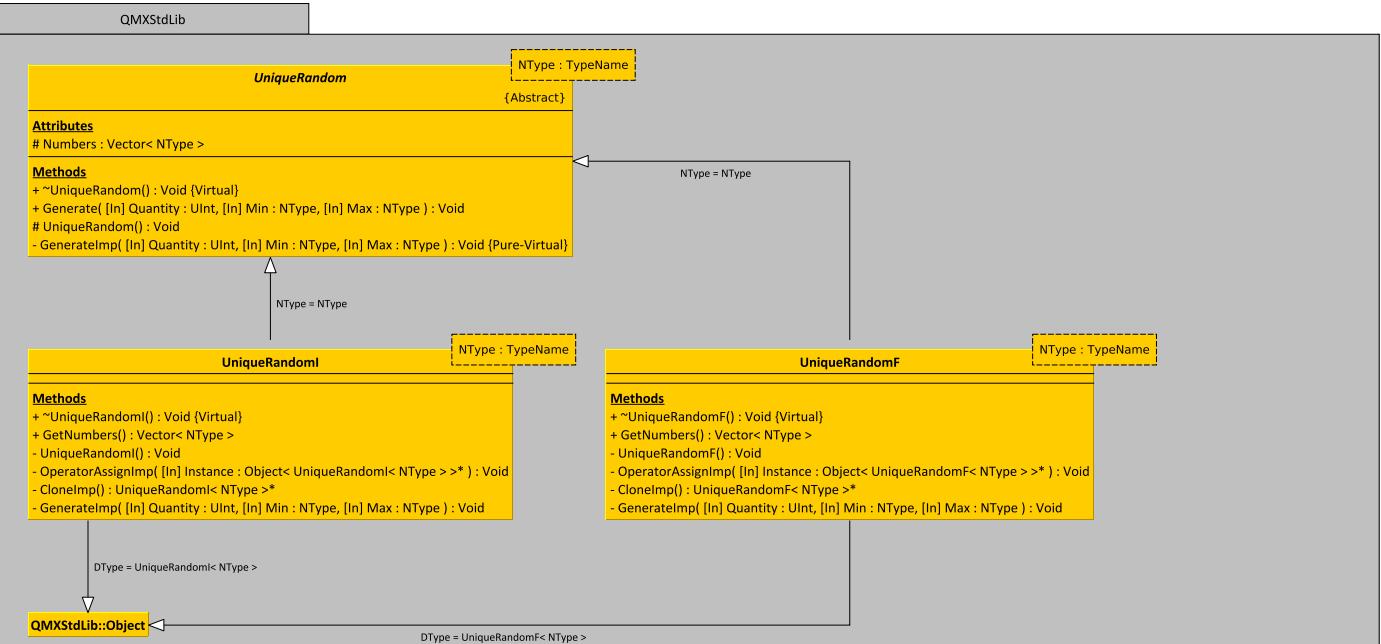
## QMXStdLib::ThreadManager - Class Diagram



### 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)

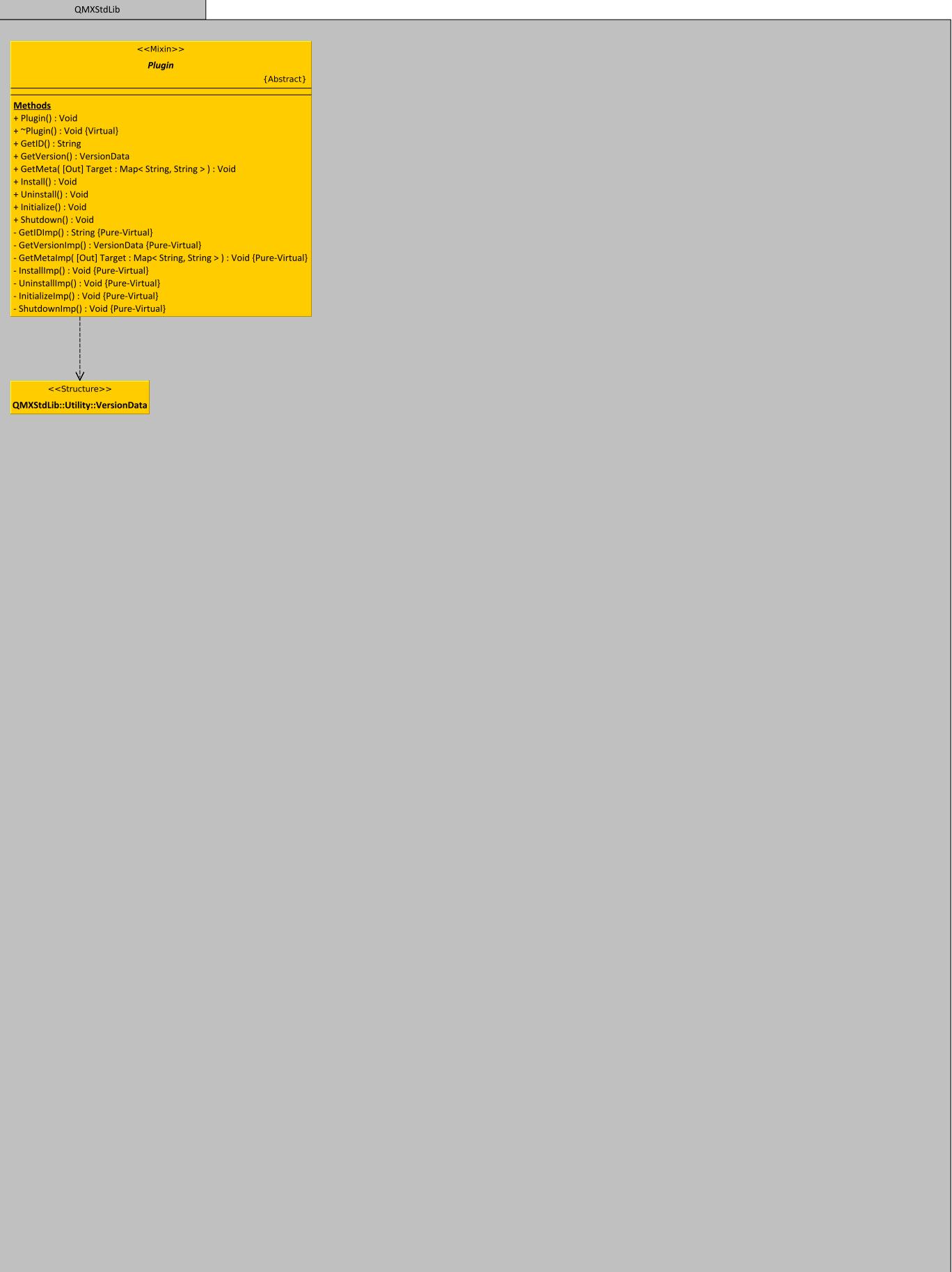
QMXStdLib

<<Mixin>>  
NonCopyable

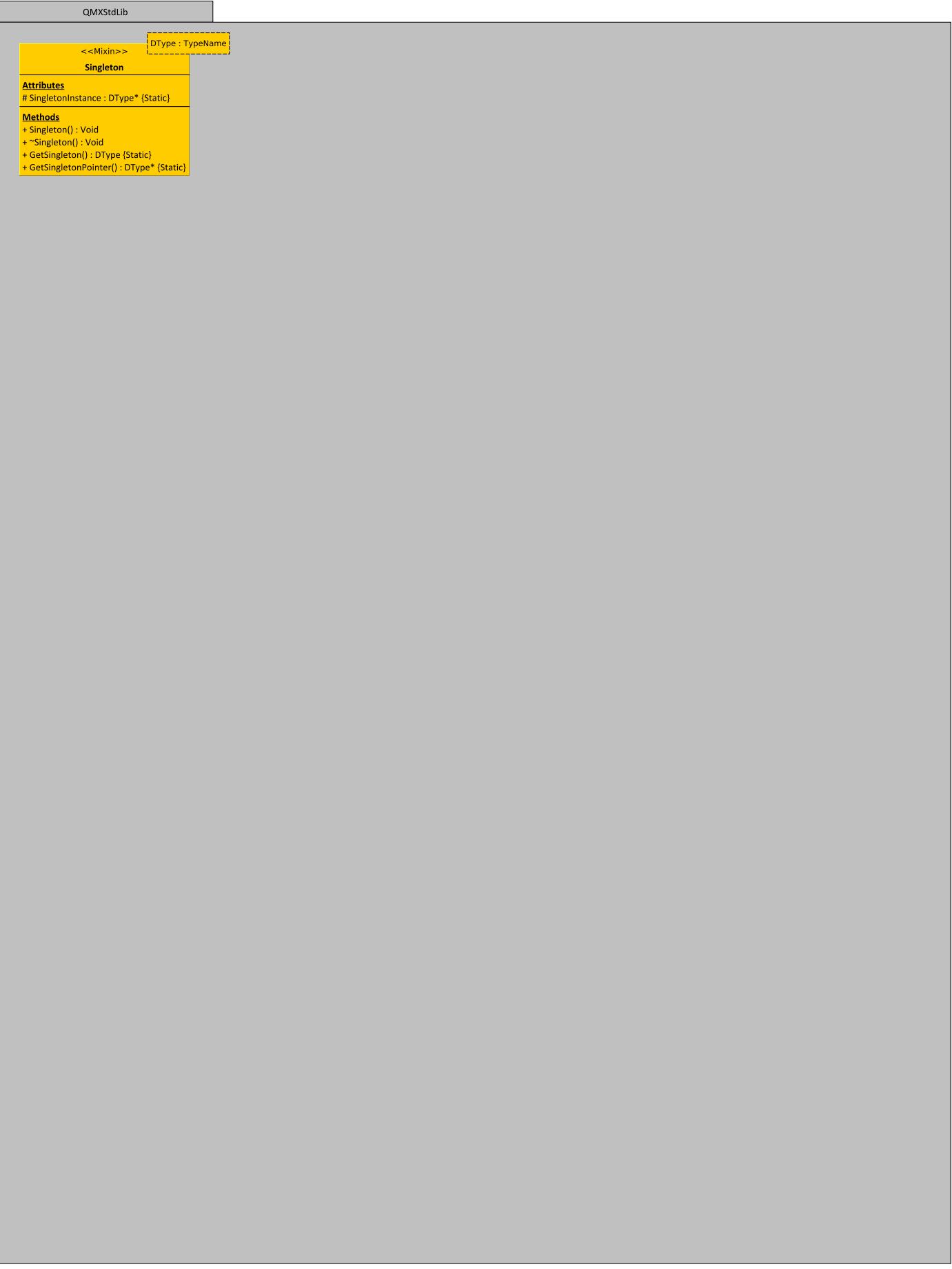
### Methods

# NonCopyable() : Void  
# ~NonCopyable() : Void {Virtual}  
- NonCopyable( [In] Instance : NonCopyable ) : Void  
- operator=( [In] Instance : NonCopyable ) : NonCopyable

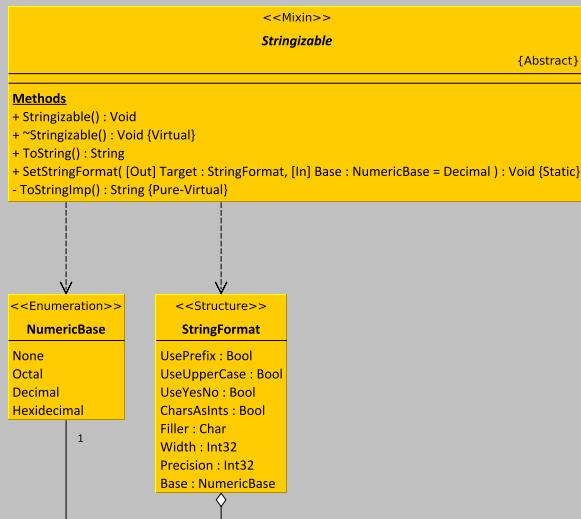
## QMXStdLib::Plugin - Class Diagram



## 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}