



XmppEngine Class

The underlying XMPP connection engine managed by **XmppClient**. This class implements the client side of the 'core' XMPP protocol. This class is a pure virtual class run and managed by **XmppClient**. The methods are not documented because you should not need to call them yourself. However, the enumerations described here are used elsewhere.

Syntax

```
class XmppEngine
```

XmppEngine defines the following enumerations.

Error

Describes the various connection errors that can occur.

Value	Description
ERROR_NONE	No error (OK).
ERROR_XML	Malformed XML error.
ERROR_STREAM	An XMPP stream error.
ERROR_VERSION	The XMPP version was incorrect.
ERROR_UNAUTHORIZED	The user's credentials have been rejected.
ERROR_TLS	A TLS connection could not be established.
ERROR_AUTH	Authentication could not be negotiated.
ERROR_BIND	The resource or session could not be bound.
ERROR_CONNECTION_CLOSED	The connection was closed unexpectedly (not by calling Disconnect).
ERROR_DOCUMENT_CLOSED	Connection colsed by </stream:stream>. Call GetStreamError for details.
ERROR_SOCKET	Unspecified socket error.

HandlerLevel

Determines the order in which child **Task** objects are queried to see whether they can handle an incoming stanza. The lower the **Task** object's handler level, the higher its priority to see the stanza. If two **Task** objects have the same handler level, one at random will be given the stanza first. The handler level is defined in the **Task** object constructor. The following values are defined:

```
enum HandlerLevel {  
    HL_NONE = 0,  
    HL_PEEK,  
    HL_SINGLE,  
    HL_SENDER,  
    HL_TYPE,
```

```
HL_ALL,  
HL_COUNT,  
};
```

State

Describes the progress of a sign in attempt on a server.

Value	Description
STATE_NONE	An error has occurred and the underlying engine could not be created.
STATE_START	Initial state: sign in has not yet begun.
STATE_OPENING	Sign in is proceeding but not yet complete.
STATE_OPEN	Signed in to the server.
STATE_CLOSED	The sign in session has closed.

Attributes: public

Declaration file: talk/xmpp/xmppengine.h

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