# My Project

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# **Chapter 1**

# **Hierarchical Index**

# 1.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

Bridge
MinecraftProxyEncoder.MinecraftProxyBridge
ClientFactory
MinecraftClientEncoder.MinecraftEncoderFactory
DownstreamFactory
MinecraftProxyEncoder.MinecraftProxyFactory
SpawningClientProtocol
MinecraftClientEncoder.MinecraftClientEncoder
Upstream
MinecraftProxyEncoder.UpstreamEncoder
UpstreamFactory
MinecraftProxyEncoder.UpstreamEncoderFactory

2 **Hierarchical Index** 

# Chapter 2

# **Class Index**

# 2.1 Class List

Here are the classes,	structs, unio	ns and interface	s with brief	descriptions
-----------------------	---------------	------------------	--------------	--------------

MinecraftClientEncoder.MinecraftClientEncoder	5
MinecraftClientEncoder.MinecraftEncoderFactory	6
MinecraftProxyEncoder.MinecraftProxyBridge	6
MinecraftProxyEncoder.MinecraftProxyFactory	7
MinecraftProxyEncoder.UpstreamEncoder	8
MinecraftProxyEncoder.UpstreamEncoderFactory	9

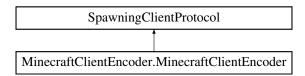
Class Index

# **Chapter 3**

# **Class Documentation**

## 3.1 MinecraftClientEncoder.MinecraftClientEncoder Class Reference

Inheritance diagram for MinecraftClientEncoder.MinecraftClientEncoder:



### **Public Member Functions**

- def \_\_init\_\_
- def update\_player\_full
- def get\_byte\_from\_buff
- def get\_bytes\_from\_buff
- · def check buff
- def encode
- def encode\_inventory\_action
- def encode\_player\_look
- def encode\_player\_position
- def encode\_player\_position\_and\_look
- def packet\_player\_position\_and\_look
- def update\_incoming\_buffer
- · def check\_entity
- def packet\_entity\_head\_look
- def packet\_spawn\_mob
- def packet\_entity\_relative\_move
- def packet\_entity\_look
- def packet\_entity\_look\_and\_relative\_move

### **Public Attributes**

- · packet\_done
- · AES\_Block\_Len
- · out enc buff
- in\_enc\_buff
- · pos\_look
- spawned

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### 3.1.1 Detailed Description

The MinecraftClient Encoder is a class that represents a Minecraft Client connection and performs the FTE encoder

#### 3.1.2 Member Function Documentation

3.1.2.1 def MinecraftClientEncoder.MinecraftClientEncoder.update\_player\_full ( self )

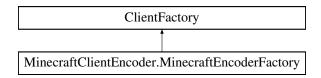
```
Sends a player's position to the server every 20 ticks (1 second).
```

The documentation for this class was generated from the following file:

· MinecraftClientEncoder.py

## 3.2 MinecraftClientEncoder.MinecraftEncoderFactory Class Reference

Inheritance diagram for MinecraftClientEncoder.MinecraftEncoderFactory:



**Public Member Functions** 

• def \_\_init\_\_

**Public Attributes** 

- · forwarding\_packet\_queue
- · receiving\_packet\_queue

**Static Public Attributes** 

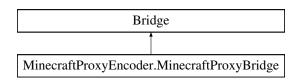
• protocol = MinecraftClientEncoder

The documentation for this class was generated from the following file:

· MinecraftClientEncoder.py

## 3.3 MinecraftProxyEncoder.MinecraftProxyBridge Class Reference

Inheritance diagram for MinecraftProxyEncoder.MinecraftProxyBridge:



### **Public Member Functions**

- def \_\_init\_\_\_
- def get\_byte\_from\_buff
- · def get bytes from buff
- · def check buff
- def encode
- def enemy\_enc\_head\_look
- def gen\_rand
- def enemy\_enc\_look
- def spawn\_mobs
- def update\_incoming\_buffer
- · def packet\_upstream\_creative\_inventory\_action
- def packet\_upstream\_player\_look
- · def packet\_upstream\_player\_position
- def packet\_upstream\_player\_position\_and\_look
- def packet\_downstream\_entity\_head\_look
- def packet\_downstream\_entity\_look
- · def packet downstream player position and look
- · def downstream\_disconnected

### **Public Attributes**

- · clients\_and\_positions
- · out enc buff
- old\_enc\_buff
- · mobs\_per\_client
- · first\_enemy\_id
- packet\_done
- · is\_waiting
- · block len

## **Static Public Attributes**

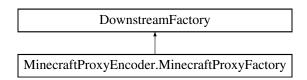
- quiet\_mode = False
- events\_enabled = False
- upstream\_factory\_class = UpstreamEncoderFactory

The documentation for this class was generated from the following file:

• MinecraftProxyEncoder.py

## 3.4 MinecraftProxyEncoder.MinecraftProxyFactory Class Reference

Inheritance diagram for MinecraftProxyEncoder.MinecraftProxyFactory:



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### **Public Member Functions**

- def \_\_init\_\_
- · def connectionMade
- · def sync\_buff

### **Public Attributes**

- · receiving\_packet\_queue
- · num\_client\_encoders
- · num\_waiting\_encoders
- out\_enc\_buff

### **Static Public Attributes**

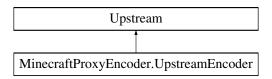
- bridge\_class = MinecraftProxyBridge
- tuple **out\_enc\_buff** = bytearray()
- int num client encoders = 0
- int num\_waiting\_encoders = 0
- string motd = "Proxy Server"
- forwarding\_packet\_queue = None

The documentation for this class was generated from the following file:

· MinecraftProxyEncoder.py

## 3.5 MinecraftProxyEncoder.UpstreamEncoder Class Reference

Inheritance diagram for MinecraftProxyEncoder.UpstreamEncoder:



### **Static Public Attributes**

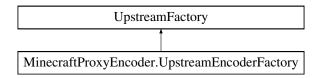
- tuple in\_enc\_buff = bytearray()
- int assigned\_enemy = 0
- int assigned\_id = 0

The documentation for this class was generated from the following file:

· MinecraftProxyEncoder.py

# 3.6 MinecraftProxyEncoder.UpstreamEncoderFactory Class Reference

Inheritance diagram for MinecraftProxyEncoder.UpstreamEncoderFactory:



### **Static Public Attributes**

• protocol = UpstreamEncoder

The documentation for this class was generated from the following file:

MinecraftProxyEncoder.py

# Index