# 1数据包定义

## 数据包结构

数据包采用包头+包体的格式，UTF-8编码

请求数据包结构：



响应数据包结构：



## 1.2数据包格式

请求数据包头RequestHeader格式：

public struct RequestHeader

{

public UInt32 pkgSize;

public Int16 msgId;

public char targetId[32];

}

响应数据包头ResponseHeader格式：

public struct ResponseHeader

{

public UInt32 pkgSize;

public Int16 msgId;

public char targetId[32];

}

压缩数据包头CompressHeader格式：

public struct CompressHeader

{

public UInt32 dataSize;

public short isCompress;

public int compressSize;

}

# 2数据包明细

## 2.1交换RSA密钥(MsgId = 90)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 功能代码 | 90 | | | | |
| 功能描述 | 获取对方的Rsa公钥 | | | | |
| 请求数据 | 标识 | 类型 | 标识名称 | 必要 | 描述 |
| KeyLength | Int | RSA公钥长度 | Y |  |
| RsaKey | Char\* | RSA公钥 | Y |  |
| 应答数据 | KeyLength | Int | RSA公钥长度 | Y |  |
| RsaKey | Char\* | RSA公钥长度 | Y | RSA的公钥 |
|  |  |  |  |  |
|  |  | |  |  |  |

## 2.2登陆(MsgId = 100)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 功能代码 | 100 | | | | |
| 功能描述 | 登陆 | | | | |
| 请求数据 | 标识 | 类型 | 标识名称 | 必要 | 描述 |
| UserAccountLength | Short | 账户长度 | Y |  |
| UserAccount | Char\* | 登陆账户 | Y |  |
| PasswordLength | Short | 密码长度 | Y |  |
| Password | Char\* | 登陆密码 | Y |  |
|  |  |  |  |  |
| 应答数据 | message | Char[255] | 响应消息 |  |  |
| return\_code | Byte | 返回码 |  | 参考返回码的定义 |
|  |  |  |  |  |
|  |  | |  |  |  |

## 2.3发送文本(MsgId = 200)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 功能代码 | 90 | | | | |
| 功能描述 | 获取验证码 | | | | |
| 请求数据 | 标识 | 类型 | 标识名称 | 必要 | 描述 |
| key\_length | Short | DES密钥的长度 | Y |  |
| key | Char\* | 密钥buff | Y | Key的长度为Key\_length |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| 应答数据 | message | Char[255] | 响应消息 |  |  |
| return\_code | Byte | 返回码 |  | 参考返回码的定义 |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  | |  |  |  |

## 2.4发送文件摘要 (MsgId = 300)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 功能代码 | 90 | | | | |
| 功能描述 | 获取验证码 | | | | |
| 请求数据 | 标识 | 类型 | 标识名称 | 必要 | 描述 |
| key\_length | Short | DES密钥的长度 | Y |  |
| key | Char\* | 密钥buff | Y | Key的长度为Key\_length |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| 应答数据 | message | Char[255] | 响应消息 |  |  |
| return\_code | Byte | 返回码 |  | 参考返回码的定义 |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  | |  |  |  |

## 2.5发送文件(MsgId = 400)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 功能代码 | 90 | | | | |
| 功能描述 | 获取验证码 | | | | |
| 请求数据 | 标识 | 类型 | 标识名称 | 必要 | 描述 |
| key\_length | Short | DES密钥的长度 | Y |  |
| key | Char\* | 密钥buff | Y | Key的长度为Key\_length |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| 应答数据 | message | Char[255] | 响应消息 |  |  |
| return\_code | Byte | 返回码 |  | 参考返回码的定义 |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  | |  |  |  |

## 2.6确认(MsgId = 900)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 功能代码 | 90 | | | | |
| 功能描述 | 获取验证码 | | | | |
| 请求数据 | 标识 | 类型 | 标识名称 | 必要 | 描述 |
| key\_length | Short | DES密钥的长度 | Y |  |
| key | Char\* | 密钥buff | Y | Key的长度为Key\_length |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| 应答数据 | message | Char[255] | 响应消息 |  |  |
| return\_code | Byte | 返回码 |  | 参考返回码的定义 |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  | |  |  |  |

# 3数据字典

## 3.1返回码定义