测试目地

核对 “握手”、“验证”、“返回”等三个包的协议正确性

测试数据



头三个包第一个 我本机->192.168.1.130发送 SYN

然会ACK + SYN，再一个ACK 完成一个tcp 三次握手，标识Client和MySQL连接成功

**初始化握手包：**

4A 00 00 00 0A 35 2E 35 2E 31 32 00 08 00 00 00 50 6A 44 55 60 62 4B 31 00 FF F7 21 02 00 0F 80 00 00 00 00 00 00 00 00 00 00

51 24 5D 2A 58 5D 4C 43 4A 2A 31 59 00 6D 79 73 71 6C 5F 6E 61 74 69 76 65 5F 70 61 73 73 77 6F 72 64 00

J....5.5.12.....PjDU`bK1.ÿ÷!..............Q$]\*X]LCJ\*1Y.mysql\_native\_password.

一共78字节

|  |  |
| --- | --- |
| 字节 | 解析 |
| 4A 00 00 | 74个字节的包 |
| 00 | 包号：0 |
| 0A | 协议版本：10 |
| 35 2E 35 2E 31 32 00 | print(string.char(0x35,0x2E,0x35,0x2E,0x31,0x39,0x00))  5.5.12 |
| 08 00 00 00 | Connection ID：8 |
| 50 6A 44 55 60 62 4B 31 | 随机字符串 |
| 1 | 填充0 |
| FF F7 | Mysqld功能 |
| 21 | 语言 |
| 02 00 | 状态 |
| 0F 80 | 高位状态 |
| 15 | 随机字符串长度 21 |
| 00 00 00 00 00 00 00 00 00 00 | 填充物 |
| 51 24 5D 2A 58 5D 4C 43 4A 2A 31 59 00 6D 79 73 71 6C 5F 6E 61 74 69 76 65 5F 70 61 73 73 77 6F 72 64 | 其他buf |
| 00 | 填充物 |

**验证包：**

50 00 00 01 85 A6 0F 00 00 00 00 01 08 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 72 6F 6F 74 00

14 78 26 3B FB 42 92 73 8D 87 B5 57 B6 A2 1A D5 12 D1 98 C9 CA 6D 79 73 71 6C 5F 6E 61 74 69 76 65 5F 70 61 73 73 77 6F 72 64 00

P...¦..............................root..x&;ûBsµW¶¢.Õ.ÑÉÊmysql\_native\_password.

|  |  |
| --- | --- |
| 字节 | 解析 |
| 50 00 00 | 包长度：80 |
| 01 | 包号：01 |
| 85 A6 0F 00 | 客户端标识 |
| 00 00 00 01 | 最大包：16MB |
| 08 | 字符编码 |
| 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 | 填充物 |
| 72 6F 6F 74 00 | 用户名：root |
| 14 78 26 3B FB 42 92 73 8D 87 B5 57 B6 A2 1A D5 12 D1 98 C9 CA 6D 79 73 71 6C 5F 6E 61 74 69 76 65 5F 70 61 73 73 77 6F 72 64 | 加密字符 |
| 00 | 数据库名：空 |

**OK包：**

**07 00 00 02 00 00 00 02 00 00 00**

**...........**

|  |  |
| --- | --- |
| 走空额 | 解析 |
| 07 00 00 | 包长度：7 |
| 02 | 包号：02 |
| 00 | Field count：0 |
| 00 | 受影响的行数 |
| 00 | INSERT\_ID |
| 02 00 | 服务状态 |
| 00 00 | 警报：0 |

**密码函数：**