**1. 格式**

**1.1 一个数据包的格式**

**MsgPackage**

|  |  |  |  |
| --- | --- | --- | --- |
| 长度 | 名称 | 值 | 描述 |
| 1 | STX | 0xF8 |  |
| 4 | PL |  |  |
| 16 | PUUID |  | 32\_len\_string PUUID |
| 1 | PT | 0x00  0x01  0x02 | Notiy  Request  ack |
| 1 | DC | 0x00  0x01 | Un\_zip  zip |
| 4 | UZDL |  |  |
|  | MsgItems |  |  |
| 1 | ETX | 0xFE |  |

**1.2 一个数据包中数据的格式**

**MsgItem**

|  |  |  |  |
| --- | --- | --- | --- |
| 长度 | 名称 | 值 | 描述 |
| 1 | MT | 0x30  0x31  0x32  0x33 |  |
| 32 | QN |  |  |
| 36 | OMI |  | msgID |
| 4 | OServerID | 0x00 | Original DB Server ID |
| 8 | SID |  | UINT\_64 |
| 1 | PR | 0x30  0x31 | Not use here |
| 1 | PYTP | 0x51  0x52 | Oracle\_RAW  Oracle\_Object |
| 4 | MDL |  |  |
|  | MsgItemData |  |  |

实例：

**ConReq**

|  |  |  |  |
| --- | --- | --- | --- |
| 长度 | 名称 | 值 | 描述 |
| 1 | STX | 0xF8 |  |
| 4 | PL |  |  |
| 1 | PT | 0x00 |  |
| 1 | DC | 0x01 |  |
| 4 | UZDL |  |  |
| 1 | MT | 0x32 |  |
| 32 | QN |  |  |
| 36 | OMI |  |  |
| 4 | OServerID |  |  |
| 8 | SID |  |  |
| 1 | PR | 0x00 |  |
| 1 | PYTP |  |  |
| 4 | MDL |  |  |
| 4 | LengthOne |  |  |
|  | AgtName | “TRA\_OCC@MMS\_QUE” |  |
| 4 | LengthTwo |  |  |
|  | HostAName | “129” |  |
|  |  |  |  |
|  |  |  |  |
|  | ETX | 0xFE |  |

**1.3 备注：**

NULL 忽略

RealData 取决于具体运行时的值

R 读出来的数值

通知 是不需要应答的

请求 客户端发给服务端

应答 服务端发给客户端

**2. dbSync所有通信协议**

**-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------**

**001 请求\_发送客户端的信息给服务端**

**（mysql dbSync Client ->Oracle dbSync Server）**

**Frame**

**ConReq**

|  |  |  |  |
| --- | --- | --- | --- |
| 长度 | 名称 | 值 | 描述 |
| 1 | MT | 0x32 |  |
| 32 | QN |  |  |
| 36 | OMI |  |  |
| 4 | OServerID |  |  |
| 8 | SID |  |  |
| 1 | PR | 0x00 |  |
| 1 | PYTP |  |  |
| 4 | MDL |  |  |
| 4 | LengthOne |  |  |
|  | AgtName | “TRA\_OCC@MMS\_QUE” |  |
| 4 | LengthTwo |  |  |
|  | HostAName | “129” |  |

重复检查以后发送应答

**001 应答\_发送客户端的信息给服务端**

**（Oracle dbSync Server -> mysql dbSync Client）**

**Frame**

**ConACk**

|  |  |  |  |
| --- | --- | --- | --- |
| 长度 | 名称 | 值 | 描述 |
| 1 | MT | 0x33 |  |
| 32 | QN |  |  |
| 36 | OMI |  |  |
| 4 | OServerID |  |  |
| 8 | SID |  |  |
| 1 | PR | 0x00 |  |
| 1 | PYTP |  |  |
| 4 | MDL |  |  |
| 4 | LengthOne |  |  |
|  | AgtName | “TRA\_OCC@MMS\_QUE” |  |

**-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------**

**-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------**

**2.2 请求\_客户端请求服务端Enq**

**（mysql dbSync Client ->Oracle dbSync Server）**

**Frame**

**EnqReq**

|  |  |  |  |
| --- | --- | --- | --- |
| 长度 | 名称 | 值 | 描述 |
| 1 | MT | 0x32 |  |
| 32 | QN |  |  |
| 36 | OMI |  |  |
| 4 | OServerID |  |  |
| 8 | SID |  |  |
| 1 | PR | 0x00 |  |
| 1 | PYTP |  |  |
| 4 | MDL |  |  |
| 4 | LengthOne |  |  |
|  | AgtName | “TRA\_OCC@MMS\_QUE” |  |
| 4 | LengthTwo |  |  |
|  | HostAName | “129” |  |

**2.3应答\_服务端对客户端请求Enq的应答（Oracle dbSync Server->**

**（Oracle dbSync Server -> mysql dbSync Client）**

**Frame**

**ConACk**

|  |  |  |  |
| --- | --- | --- | --- |
| 长度 | 名称 | 值 | 描述 |
| 1 | MT | 0x33 |  |
| 32 | QN |  |  |
| 36 | OMI |  |  |
| 4 | OServerID |  |  |
| 8 | SID |  |  |
| 1 | PR | 0x00 |  |
| 1 | PYTP |  |  |
| 4 | MDL |  |  |
| 4 | LengthOne |  |  |
|  | AgtName | “TRA\_OCC@MMS\_QUE” |  |

**-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------**