

欢迎大家来到第五阶段课程

《分布式流媒体》实训项目



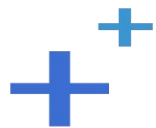
TNV DAY08

预习课

预习
内容

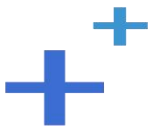
客户机 (5)

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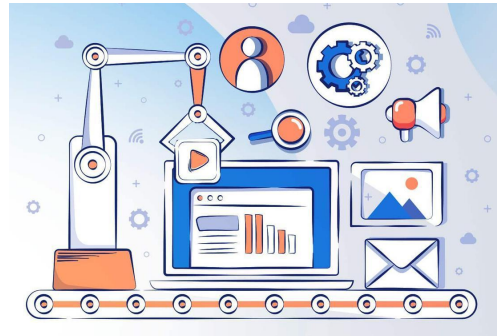
连接类(conn_c)的一级方法

- 删除存储服务器上的文件: del
 - 构造请求
 - 发送请求
 - 接收包体
 - 解析包体
 - 服务器状态异常
 - 获取错误号和错误描述
 - 释放包体
 - 返回处理结果

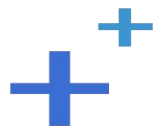


连接类(conn_c)的一级方法

- 获取错误号: errnumb
 - 返回m_errnumb成员
- 获取错误描述: errdesc
 - 返回m_errdesc成员



附录：程序清单

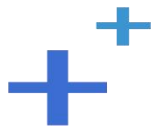


TNV/src/05_client/02_conn.cpp

// 删除存储服务器上的文件

```
int conn_c::del(char const* appid, char const* userid,
               char const* fileid) {
    // |包体长度|命令|状态|应用ID|用户ID|文件ID|
    // |   8   | 1 | 1 | 16 | 256 | 128 |
    // 构造请求
    long long bodylen = APPID_SIZE + USERID_SIZE + FILEID_SIZE;
    long long reqlen = HEADLEN + bodylen;
    char requ[reqlen];
    if (makerequ(CMD_STORAGE_DELETE,
                appid, userid, fileid, requ) != OK)
        return ERROR;
    htonl(bodylen, requ);

    if (!open())
```



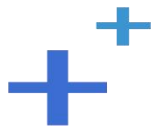
TNV/src/05_client/02_conn.cpp

```
return SOCKET_ERROR;
```

```
// 发送请求
```

```
if (m_conn->write(requ, reqlen) < 0) {  
    logger_error("write fail: %s, reqlen: %lld, to: %s",  
                acl::last_serror(), reqlen, m_conn->get_peer());  
    m_errnumb = -1;  
    m_errdesc.format("write fail: %s, reqlen: %lld, to: %s",  
                    acl::last_serror(), reqlen, m_conn->get_peer());  
    close();  
    return SOCKET_ERROR;  
}
```

```
char* body = NULL; // 包体指针
```



TNV/src/05_client/02_conn.cpp

// 接收包体

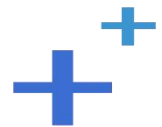
```
int result = recvbody(&body, &bodylen);
```

// 解析包体

```
if (result == STATUS_ERROR) {  
    // |包体长度|命令|状态|错误号|错误描述|  
    // | 8 | 1 | 1 | 2 | <=1024 |  
    m_errnumb = ntos(body);  
    m_errdesc = bodylen > ERROR_NUMB_SIZE ?  
        body + ERROR_NUMB_SIZE : "";  
}
```

// 释放包体

```
if (body) {  
    free(body);  
}
```



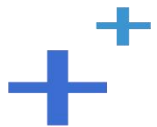
TNV/src/05_client/02_conn.cpp

```
        body = NULL;
    }

    return result;
}

// 获取错误号
short conn_c::errnumb(void) const {
    return m_errnumb;
}

// 获取错误描述
char const* conn_c::errdesc(void) const {
    return m_errdesc.c_str();
}
```



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