

# Tally TDL Setup and Troubleshooting Guide

## Step 1: Install the TDL File

### 1. Copy the TDL file to your Tally installation directory:

- Default location: `C:\Program Files (x86)\Tally.ERP9\TDL\`
- Or create a folder: `C:\TallyTDL\` and put the file there

### 2. Load the TDL in Tally:

- Open Tally
- Go to **Gateway of Tally** → **F11 Features** → **Advanced Configuration**
- Set **Load TDL files on startup** to **Yes**
- In **TDL Names**, add the path to your TDL file: `C:\TallyTDL\Export.tdl`
- Or use: **F12 Configure** → **Data Configuration** → **TDL Configuration**

### 3. Alternative Method - Auto-load:

- Place the TDL file in Tally's auto-load directory
- Usually: `C:\Program Files (x86)\Tally.ERP9\TDL\`

## Step 2: Verify TDL Installation

### 1. Check Menu Item:

- Go to **Gateway of Tally**
- Look for "**Export Data**" option in the menu
- It should appear before the **Quit** option

### 2. Test the Report:

- Click on **Export Data**
- It should open the Export Data XML report
- If you see data displayed, the TDL is working

## Step 3: Enable Tally Web Server

### 1. Enable Server Mode:

- In Tally, press **F12** (Configure)
- Go to **Advanced Configuration**
- Set **Act as Server** to **Yes**
- Set **Port** to **9000** (or note the port number)

### 2. Allow Data Access:

- Set **Allow Data Access** to **Yes**

- Set **Allow TDL Access** to **Yes**

## Common Issues and Solutions

### Issue 1: "Report not found" Error

**Problem:** Python code returns "No such report" or "Report not found"

**Solutions:**

#### 1. Check TDL Loading:

- Go to Tally → F12 → Data Configuration → TDL Configuration
- Ensure your TDL file is listed and loaded
- Restart Tally after adding TDL

#### 2. Check Report Name:

- The report name in Python should exactly match TDL: "Export Data XML"
- Case sensitive!

#### 3. Manual Test:

- In Tally, go to Gateway → Export Data
- If this doesn't work, TDL isn't loaded properly

### Issue 2: "Connection Refused" Error

**Problem:** Python cannot connect to Tally

**Solutions:**

#### 1. Check Tally Server Settings:

- Tally → F12 → Advanced Configuration
- Act as Server = Yes
- Port = 9000
- Allow Data Access = Yes

#### 2. Check Firewall:

- Windows Firewall might block port 9000
- Add exception for Tally.exe

#### 3. Test Connection:

- In browser, go to: <http://localhost:9000>
- Should show Tally web interface

### Issue 3: Empty or Invalid XML Response

**Problem:** Python receives empty or malformed XML

**Solutions:**

**1. Check Company Loading:**

- Ensure a company is loaded in Tally
- Company should have data in the date range

**2. Check Date Format:**

- Date format should be YYYYMMDD
- Example: 20240401 for April 1, 2024

**3. Check TDL Collections:**

- Ensure VoucherCollection and LedgerCollection are properly defined
- Check filter conditions

## **Issue 4: Python XML Parsing Errors**

**Problem:** Python fails to parse XML from Tally

**Solutions:**

**1. Check XML Structure:**

- Save Tally XML response to file
- Open in text editor to check structure
- Look for unclosed tags or invalid characters

**2. Use XML Validator:**

- Copy XML to online XML validator
- Fix any structural issues

## **Testing Steps**

### **Step 1: Test TDL in Tally Directly**

1. Open Tally
2. Load a company with data
3. Go to Gateway → Export Data
4. Should see XML output with:
  - <TALLYDATAEXPORT>
  - <COMPANYINFO>
  - <LEDGERS>
  - <VOUCHERS>

### **Step 2: Test HTTP Connection**

```
python
```

```
import requests
response = requests.get('http://localhost:9000')
print(response.status_code) # Should be 200
```

### Step 3: Test Simple XML Request

```
python
```

```
import requests
xml_request = """
<ENVELOPE>
  <HEADER>
    <TALLYREQUEST>Export Data</TALLYREQUEST>
  </HEADER>
  <BODY>
    <EXPORTDATA>
      <REQUESTDESC>
        <REPORTNAME>Company Information</REPORTNAME>
      </REQUESTDESC>
    </EXPORTDATA>
  </BODY>
</ENVELOPE>
"""

response = requests.post('http://localhost:9000', data=xml_request)
print(response.text)
```

## Advanced Troubleshooting

### Enable Tally Logging

1. Create file `TallyLog.ini` in Tally directory
2. Add content:

```
ini

[Logging]
Level=Debug
LogFile=C:\TallyDebug.log
LogXMLRequests=Yes
```

### Check TDL Syntax

1. Use Tally's built-in TDL debugger
2. Look for syntax errors in TDL file

3. Check all closing brackets and quotes

## Network Issues

1. Try different ports (9001, 9002, etc.)
2. Check if other applications use port 9000
3. Use `netstat -an | find "9000"` to check port usage

## Configuration Files

### config.env

```
TALLY_URL=http://localhost:9000
API_KEY=your_api_key_here
BACKEND_URL=your_backend_url_here
```

## Tally Configuration

F12 → Advanced Configuration:

- Act as Server: Yes
- Port: 9000
- Allow Data Access: Yes
- Allow TDL Access: Yes
- Load TDL files on startup: Yes

## Contact Support

If issues persist:

1. Check Tally version compatibility
2. Verify TDL syntax with Tally documentation
3. Test with minimal TDL file first
4. Check Python requests library version

**Note:** This