

## Downloads for TPF Family Products

### Sample SOAP WebSphere MQ Communications Binding for z/TPF Enterprise Edition V1 R1

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#### 1.0 ABOUT THIS README

This readme file will guide you through the process of downloading, installing, and using a SOAP WebSphere MQ communications binding on your z/TPF system to transport SOAP messages.

Go to the [IBM TPF Product Information Center](#) for more details about SOAP support and WebSphere MQ support.

**Note:** The TPF development lab does not maintain this sample code and will not accept APARs on this code.

#### 2.0 SYSTEM REQUIREMENTS

None.

#### 3.0 DOWNLOADING

To download this module, do the following:

1. Click the **Download now** button to download the compressed sample SOAP WebSphere MQ communications binding code package (the "tarball") to your workstation. The name of this package is **MQSOAPbindingSample\_zTPF.tar.Z**.
2. FTP the tarball to your home directory on your Linux system using binary mode:
  - Open an MS-DOS window and activate FTP by entering the following command:  
**ftp your.linux.build.machine.com**
  - Sign in entering your user name and password.
  - Set the mode to binary by entering the following command:  
**binary**
  - Send the file to your Linux system by entering the following command:  
**send "c:\your\_path\MQSOAPbindingSample\_zTPF.tar.Z"**  
**MQSOAPbindingSample\_zTPF.tar.Z**
  - Exit FTP by entering the following command:  
**bye**
3. On your Linux system, create a working directory in your root directory by entering the following command:

```
mkdir ~/your_workdir
```

4. Change to the working directory and extract the program files from the sample SOAP WebSphere MQ communications binding package by entering the following command:

```
cd ~/your_workdir  
tar -xzkf ../MQSOAPbindingSample_zTPF.tar.Z
```

After you have completed this step, you will have the following files on your Linux system:

1. In the directory: `~/your_workdir/soap`
  - Sample SOAP WebSphere MQ communications binding code (cso8.c)
  - MakeTPF sample makefile (cso8.mak)

#### 4.0 COMPILING, LINKING, AND LOADING

1. Change to the 'soap' directory:

```
cd ~/your_workdir/soap
```

2. Create a `maketpf` configuration file named `maketpf.cfg`.
  - Ensure that the first assignment of `TPF_ROOT` in `maketpf.cfg` is the absolute path to your "`~/your_workdir`" directory.
  - Ensure that the first assignment of `APPL_ROOT` in `maketpf.cfg` is the absolute path to your "`~/your_workdir`" directory.
  - Update other fields (`TPF_BSS_NAME`, `TPF_SS_NAME`, `USER_VERSION_CODE`) if necessary.

3. Edit the sample `maketpf .mak` file for the sample SOAP WebSphere MQ communications binding (`cso8.mak`). Verify that the `maketpf_env` assignments in `cso8.mak` are correct for your build environment.
4. Compile and link the sample SOAP WebSphere MQ communications binding program.

**maketpf cso8.mak -f**

5. Use the standard load procedure to transfer and load the sample SOAP WebSphere MQ communications binding program (`cso8`) to your test system.

## 5.0 RUNNING

To run the sample SOAP WebSphere MQ communications binding code, you must complete the appropriate WebSphere MQ communications setup. Refer to the instructions located in the prolog at the top of the source file `cso8.c` and the [IBM TPF Product Information Center](#).

The prolog also contains information about how you might need to update either or both of the sample SOAP communications binding and your `tpf_soap_appl_handler` user exit (`cso4`) to route requests to the appropriate application.

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