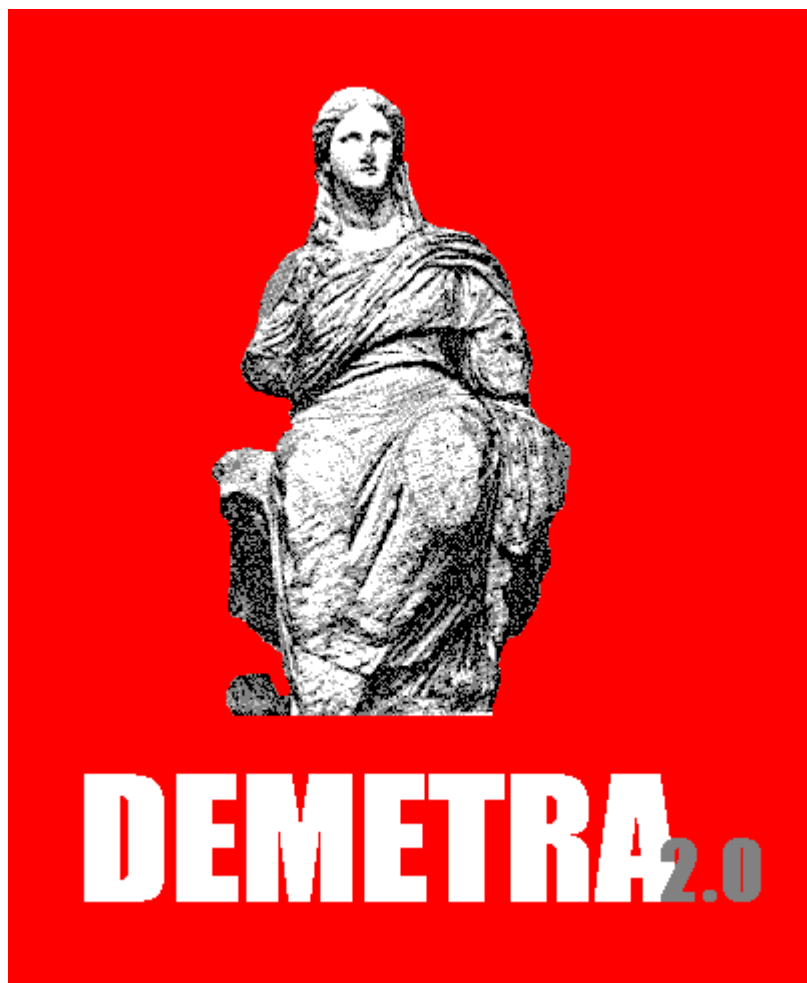


**Seasonal Adjustment Interface
for Tramo/Seats and X-12-Arima**



Installation Manual

**Release Version 2.0 (Service Pack 1)
May 2002**

Demetra

Eurostat,
the Statistical Office of the European
Communities

Based on:

Tramo (March 1999)/Seats (May 1998)
X-12-Arima (Release Version 0.2.8)

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Demetra is a client-server application. The main programme of Demetra is a client programme providing a graphical user interface. It runs on the Windows (95, 98, Millennium, NT, 2000, XP) operating systems.

For the access to FAME databases, an additional server programme "Demetra FAME server" is provided. It will automatically be invoked for connections to FAME databases on servers with a Windows NT/2000/XP or UNIX operating system.

For FAME databases on UNIX systems, the "Demetra FAME server" programme has to run permanently on these machines for which it must previously be compiled.



1.1. Typical user installation

Minimum configuration:

- ⇒ PC Pentium TM (64 MB RAM, 128 MB recommended)
- ⇒ Windows NT 4.0 (service pack 4), Windows 2000, Windows XP or Windows 98/95/Millennium
- ⇒ Recommended minimum screen resolution: 1024 by 768 pixels, 256 colours

1. Uninstall previous versions of Demetra:

- ⇒ Open the "Add/Remove Programs" function in the control panel
- ⇒ Uninstall the "Demetra" programme if listed
- ⇒ Close the "Add/Remove Programs" function
- ⇒ Delete the Demetra home directory
- ⇒ Delete the programme group/icons (if manually created)

2. Execute the file "Demetra Install.exe" and follow the instructions on the screen.

After the installation, a reboot of the PC might be necessary.

The file "**Demetra.hlp**" in the installation directory also provides detailed on-line help for the use of the software and the preparation of the input data.

Remarks: Demetra 2.0 will not be able to load projects saved with beta versions of Demetra (earlier than 1.4) because important changes have been made to the programme structure. However, seasonal adjustment parameters saved by Demetra to the databases can still be used as usual.

It is easy to uninstall the software by using the "Control panel" function "Add/Remove Programs". However, a manual deletion of the home directory of Demetra ("C:\Program Files\Demetra") with some result files left will be necessary.

Demetra 2.0 (Service Pack 1) does not necessarily need anymore an installation of the 'Demetra Fame Server' on Windows NT/2000/XP-based servers with Fame when accessed from another Windows NT/2000/XP PC. The service will invoked automatically be invoked on the user's PC.



1.2. Server-based installation

A server-based installation of Demetra 2.0 is possible. That means that the main programme files can be copied to a protected area on a file server, while the user only needs a minimal configuration to run the programme locally.

A special installation file is available from Eurostat that contains all necessary files divided into several paths:

Path in installation file	Destination path
Demetra\Common Program Files	<FILESERVER><INSTALLDIR>
Demetra\Common Program Files\Help Files	<FILESERVER><INSTALLDIR>
Demetra\Shared System Files	<USER-PC><WINSYSDIR>
Demetra\User Program Files	<USER-PC><INSTALLDIR>
Demetra\User Program Files\Examples of Input Files	<USER-PC><INSTALLDIR>\Data
Demetra\Unix Fame Server	<UNIXSERVER>/opt/Demetra (or other)

By default: <INSTALLDIR> = <ProgramFilesDir>\Demetra

On the common file server, the appropriate file access rights must be set. Normally, general reading access would avoid users interactions.

On the local user's PC, the installing institution should create the following installation procedure:

- create a program icon in "Program Folder" or "Start Menu Folder" linked to <FILESERVER><INSTALLDIR>\Demetra.exe
- create registry keys:
 - HKEY_CURRENT_USER\Software\Demetra\Demetra\SaveUserOpt:
 - "home path" = "<USER-PC><INSTALLDIR>\"
 - HKEY_LOCAL_MACHINE\SOFTWARE\Demetra\Demetra:
 - "HomePath" = "<USER-PC><INSTALLDIR>"

These options ensure that Demetra uses as working directory this local path, and not the common directory on the server to store user-specific files.



1.3. Installation of the “Demetra Fame Server” on a remote Windows XP/2000//NT server allowing a Windows Me/98/95 PC the access to its FAME databases

Remark: FAME version 8/9 must have previously been installed on the PC. Additionally, a system environment variable (path) called "FAME" must be pointed to the FAME home directory - see control panel, "system" viewer, environment, system variables. Changes to the system variables take effect only after a reboot of the PC.

If only Windows NT/2000/XP PC's with Demetra will access the server with Fame databases, this installation is not necessary anymore since version 2.0 (Service Pack 1). The server programme will automatically be executed locally at each PC.

1. Login:

⇒ Login into your Windows NT PC as "administrator" or user with administrator rights

2. Uninstall previous SUN RPC application versions (as included in Demetra) if necessary:

Perform the following steps only if you previously installed and used the SUN RPC application (portmapper) on Windows NT PC's to get access to its FAME databases:

- ⇒ Open the "Services" viewer in the control panel
- ⇒ Check that the "Portmapper" service is installed (if not listed, you can stop here)
- ⇒ Stop the "Portmapper" service
- ⇒ Close the "Services" viewer
- ⇒ Open the "Add/Remove Programs" function in the control panel
- ⇒ Uninstall the "Portmap" programme
- ⇒ Close the "Add/Remove Programs" function
- ⇒ Delete the subdirectory "Win NT" in the home directory of Demetra (e.g. "C:\Program Files\Demetra")
- ⇒ Reboot the PC and login as yourself (usual login and password) if necessary

3. Stop the old " Portmap Service (Demetra)..." and "Demetra Fame Server" services:

- ⇒ Open the "Services" viewer in the control panel
- ⇒ Stop the "Demetra Fame Server" service if installed (listed)
- ⇒ Stop the "Portmap Service (Demetra)..." service if installed (listed)
- ⇒ Close the "Services" viewer

4. Uninstall previous versions of Demetra:

- ⇒ Open the "Add/Remove Programs" function in the control panel
- ⇒ Uninstall the "Demetra" programme if listed
- ⇒ Close the "Add/Remove Programs" function
- ⇒ Delete the Demetra home directory
- ⇒ Delete the programme group/icons (if manually created)

5. Execute the file "Demetra Install.exe" and follow the instructions on the screen.



6. Install the "Portmap Service (Demetra)..." service if it was not listed in the "Services" viewer:

- ⇒ Open an MS-DOS session with the "Command Prompt"
- ⇒ Install the new portmap service with "**portmap -install**" in the home directory of Demetra (e.g. type "C:\Program Files\Demetra\portmap -install")
- ⇒ Exit the MS-DOS session (e.g. type "Exit" in the shell window)

7. Install the "Demetra Fame Server" service if it was not listed in the "Services" viewer:

- ⇒ Open an MS-DOS session with the "Command Prompt"
- ⇒ Install the "Demetra Fame Server" service with "**FameNTSvc -install**" in the home directory of Demetra (e.g. type "C:\Program Files\Demetra\FameNTSvc -install")
- ⇒ Exit the MS-DOS session (e.g. type "Exit" in the shell window)

8. Start the new "Portmap Service (Demetra)..." and "Demetra Fame Server" services:

- ⇒ Open the "Services" viewer in the control panel
- ⇒ Start the "Portmap Service (Demetra)..." service
- ⇒ Start the "Demetra Fame Server" service
- ⇒ Close the "Services" viewer

9. Reboot:

- ⇒ Reboot the PC and login as yourself (usual login and password)



1.4. Installation of the “Demetra Fame Server” on a remote UNIX (e.g. Solaris SunOS) server allowing a Windows XP/2000/NT/Me/98/95 PC the access to its FAME databases

Remark: FAME version 8/9 must previously have been installed on the UNIX server.

1. Login:

⇒ Login into your UNIX system as superuser (root).

2. Create a link in the directory "/etc/init.d" called "**Demetra**": /etc/init.d/Demetra:

⇒ contents of the Demetra script: (FAME has been installed in "/opt/fame" in this example)

```
#!/bin/sh -p
#set -x
#ident  "@(#)Demetra_server  x.x      99/18/01  "
#
# start/stop the Demetra_server daemon

#      cron control
pid=`/usr/bin/ps -e | /usr/bin/grep Demetra | /usr/bin/sed -e 's/^  *//' -e 's/
.*//'\`

case "$1" in
'start')
    . /opt/Demetra/dmtenv
    # Start the Demetra_server daemon
    if [ -d /opt/fame ] ; then
        echo "starting Demetra_server"
        /opt/Demetra/Demetra_server &
    fi
    ;;

'stop')
    # Stop the Demetra_server daemon
    if [ "${pid}" != "" ]
    then
        echo "stopping Demetra_server"

        /usr/bin/kill ${pid}

    fi
    ;;

*)
    echo "usage: /etc/init.d/Demetra {start|stop}"
    ;;

esac
```

3. Create a link in "/etc/rc2.d" so that the programme is started at each boot.

```
lrwxrwxrwx 1 root root 19 Sep 15 17:24 S75Demetra -> /etc/init.d/Demetra
```

Note: The "Demetra_server" programme can also be started and stopped manually by a non-superuser:



- ⇒ Type the following to start the Demetra FAME service on UNIX:
/etc/init.d/Demetra start
- ⇒ Type the following to stop the Demetra FAME service on UNIX:
/etc/init.d/Demetra stop

4. Install the Demetra UNIX FAME server:

- ⇒ Copy the programme "**Demetra_server**" on the server in the directory "/opt/Demetra":
/opt/Demetra/Demetra_server

Note: You can find this programme after the installation of the client programme on a Windows PC in the subdirectory "Demetra server unix" in the home directory of Demetra (e.g. "C:\Program Files\Demetra"). Versions are available for Unix SolarisSun OS and UX-HP 11.0.

5. Create a file in the directory "/opt/Demetra" called "**dmtenv**": /opt/Demetra/dmtenv

- ⇒ Contents of dmtenv script: (FAME has been installed in "/opt/fame" in this example)

```
FAME=/opt/fame
export FAME
```

6. Check with "rpcinfo" to see if the Demetra UNIX FAME server is running:

- > Type "rpcinfo". You should get something like (also as non-superuser possible):

program	version	netid	address	service	owner
100000	4	ticots	dhaene.rpc	portmapper	superuser
824395639	1	udp	0.0.0.0.148.70	Demetra	superuser
824395639	1	tcp	0.0.0.0.153.24	Demetra	superuser
824395639	1	ticlts	\000\000\021\305	Demetra	superuser
824395639	1	ticotsord	\000\000\021\310	Demetra	superuser
824395639	1	ticots	\000\000\021\313	Demetra	superuser

Note: In principal, "Demetra_server" could also be installed as an inetd service.