



Installation instructions for DEMETRA 2.0

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Introduction:

The DEMETRA software is a client-server application. The main programme of DEMETRA (the client program) provides a graphical user interface. It runs on Windows NT 4.0 or Windows95/98/2000-based PC's.

Installation on a Windows-based PC:

Run the programme called **Demetraxx_Install.exe** and follow the instructions on the screen. Enter your name and your company. You have to type here some characters in order to be able to continue the installation. By default, the programme will be installed on "C:\Program Files\Demetra". (Remark: *xx* in the file name specifies the version number.)

Three types of installations are proposed: typical, compact and custom. Choose "typical" to install the complete application. Choose "compact" to install only the PC parts of the programme (without UNIX access) and without example files. The "custom" type installs (if not modified) the complete application. Some components might already be installed on your PC. In this case you might get a warning and you will have the choice of continuing, do so.

After the installation, you have 3 ways of using Demetra:

1) If you have no Fame server at all:

Nothing else has to be done; you can start and use the programme:

Use Start -> Programs -> Demetra

2) If you have Fame for Windows on your PC:

Note: You will need the administrator login to install the services!

Install FameNTSvc.exe as follows:

- To install the "DEMETRA FAME server", run the executable file with the install option "**FameNTSvc.exe -install**" in an MS-DOS shell. The executable file is contained in the home directory of DEMETRA ("C:\Program Files\Demetra"). The "DEMETRA FAME server" is automatically installed as a service in the Windows NT system with the automatic startup option but it is not started immediately. For doing so, open the Control Panel, click on the icon "Services" and start the service called "Demetra Service for Fame". It will automatically start at each reboot of the PC.
- To uninstall the "DEMETRA FAME server", first stop the service using the Control Panel, then execute "**FameNTSvc.exe -remove**" in an MS-DOS shell.

Do the same for the portmap service:

portmap.exe -install

Either start the 2 services in the control panel or reboot your PC

3) If you are going to use a Fame database on a UNIX (Solaris SunOS 5.6) server you will need to install the programme demetra_server from (installdir\Unix) as a superuser (root) on a Unix server:

Note: The program will only work if Fame and the Fame libraries are installed on the server!

(A)

copy the following script to a file called
/etc/init.d/demetra

contents of 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
```

(B)

Create a link in /etc/rc2.d called S75demetra to that script (/etc/init.d/demetra) 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:

```
/etc/init.d/demetra start  
and stopped with  
/etc/init.d/demetra stop
```

(C)

copy/create the following 2 files:

```
/opt/demetra/demetra_server  
/opt/demetra/dmtenv
```

demetra_server can be found in the directory Unix in the installation directory of a PC

contents of dmtenv:

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

On the PC you will also need to install the service portmap:

portmap.exe -install

start the service and Demetra should now work with Unix fame databases!

check with rpcinfo to see if demetra is running:

```
unix% rpcinfo  
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, but this has not been tested yet!

You can install and run the “DEMETRA FAME server” on an unlimited number of remote machines connected to your PC.

See the file “Demetra.hlp” in the PC installation directory for detailed help on the use of the software.

Installation characteristics:

Default installation directory (<INSTALLDIR>): C:\Program Files\Demetra
Necessary disk space: About 10 MB
Files installed while executing the PC installation programme:

GUI executable:	<INSTALLDIR>\Demetra.exe
NT Service programme	<INSTALLDIR>\FameNTSvc.exe
NT Service programme	<INSTALLDIR>\Portmap.exe
Fame access dll	<INSTALLDIR>\FameNTClient.dll
Fame HLI dll (from Fame)	<INSTALLDIR>\chli.dll
SAS access dll	<INSTALLDIR>\sasdde.dll
Tramo dll	<INSTALLDIR>\Tramofor.dll
Seats dll	<INSTALLDIR>\Seatsfor.dll
X-12-Arima dll	<INSTALLDIR>\X12for.dll
X-12-Arima file	<INSTALLDIR>\X12a.mdl
X-12-Arima file	<INSTALLDIR>\F77I3.eer
MS FlexGrid control	<WINSYSDIR>\MSflxgrd.dep
MS FlexGrid control	<WINSYSDIR>\MSflxgrd.ocx
MS Calendar control	<WINSYSDIR>\Mscal.dep
MS Calendar control	<WINSYSDIR>\Mscal.ocx
MS MFC library	<WINSYSDIR>\Mfc42.dll
MS Visual C++ library	<WINSYSDIR>\Msvcirt.dll
Process status API library	<WINSYSDIR>\Psapi.dll
Fortran library	<WINSYSDIR>\Dforrt.dll
ONC RPC library	<WINSYSDIR>\Oncrpc.dll
UNIX server programme	<INSTALLDIR>\Unix\demetra_server
Help file	<INSTALLDIR>\Demetra.hlp
Help file	<INSTALLDIR>\Demetra.cnt
This installation help file	<INSTALLDIR>\Demetra_Install.pdf
Example Excel input file	<INSTALLDIR>\data\Example_Vertical.xls
Example Excel input file	<INSTALLDIR>\data\Example_Horizontal.xls
Example ASCII input file	<INSTALLDIR>\data\Example.txt
Example Fame (NT) input file	<INSTALLDIR>\data\Example.db
Example SAS input file	<INSTALLDIR>\data\Example.sd2

Directories created while programme execution:

<INSTALLDIR>\graph
<INSTALLDIR>\graph\Acf
<INSTALLDIR>\graph\Filters
<INSTALLDIR>\graph\Forecast
<INSTALLDIR>\graph\Regoutse
<INSTALLDIR>\graph\Series
<INSTALLDIR>\graph\Spectra
<INSTALLDIR>\graph\x12a
<INSTALLDIR>\graph\x12a_sas
<INSTALLDIR>\output

Uninstallation on a Windows-based PC:

Follow the usual uninstall procedure: run "Add/Remove Programs" in the "Control Panel", select "Demetra" and click on Add/Remove. Some user files in the DEMETRA installation directory may have to be manually removed.

In the Windows Registry, the following keys should be manually removed:

- HKEY_CURRENT_USER – Software – DEMETRA
- HKEY_LOCAL_MACHINE – SOFTWARE – Demetra

1) If you used the access to Fame for Windows on your PC:

The "Demetra Service for Fame" and the "Portmap Service (Demetra)" must be manually stopped and removed from the Windows NT services as follow:

- run "Services" in the "Control Panel", select one by one "Demetra Service for Fame" and the "Portmap Service (Demetra)" and click each time on Stop
- run the executable files with the remove option "**FameNTSvc.exe -remove**" and "**portmap.exe -remove**" in an MS-DOS shell. The executable files are contained in the home directory of DEMETRA ("C:\Program Files\Demetra").

2) If you used the access to a Fame database on a UNIX (Solaris SunOS 5.6) server (and no other user needs the access anymore) you will need to remove the programme demetra_server from (installdir/Unix) as a superuser (root) on a Unix server:

(A)

Stop the demetra_server programme manually:
/etc/init.d/demetra stop

(B)

Remove the file called
/etc/init.d/demetra

(C)

Remove the link to that script (/etc/init.d/demetra) in /etc/rc2.d called
S75demetra

(D)

Remove the following 2 files:
/opt/demetra/demetra_server
/opt/demetra/dmtenv

(E)

On the PC you will also need to stop and remove the "Portmap Service (Demetra)" as decribed above.