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1 General

The file contains important information which is not noted in the manuals for using PCMX V6.0 in the AIX operating system.

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1.1 Documentation

You receive the following manuals when you order the documentation package:

Betrieb und Administration CMX V6.0, German/deutsch Benutzerhandbuch
Order No./Best.Nr.: U20871-J-Z145-2

Anwendungen programmieren CMX V6.0, German/deutsch
Programmierhandbuch
Order No./Best.Nr.: U41136-J-Z145-3

Programming Applications CMX V6.0, English/englisch Programmer
Reference Guide
Order No./Best.Nr.: U41136-J-Z145-3-76

The documentation is available in the form of online manuals at
<http://manuals.ts.fujitsu.com> or can be ordered in the form of
printed manuals for an additional payment at <http://manualshop.ts.fujitsu.com>.

2 Notes on product use

2.1 Software/hardware configuration

2.1.1 Operating system

The following operating system versions are required for using
PCM(X) V6.0:

Operatingssystem	Version
AIX	at least 5.3

2.2 Resource requirements

PCM(X) V6.0A requires the following hard disk space:

Package	/etc	/usr	/opt
AIX	~4 KB	~1,2 MB	~1,5 MB

Main memory requirement of the ICM(X) library:

Text segment	Initialized data/processes	Not initialized (bss) data/processes
~400 KB	~58 KB	~72 KB

The ICM(X) library is a "shared object". The text segment therefore is present only once in the main memory.

2.3 Product installation/configuration

2.3.1 Installing PCM(X)

PCM(X) is shipped as an install package and must be installed with `installp`.

The description contains the <package> for the PCM(X) package that you received (for example, `aix.pkg`). If you renamed the package, you must use the new file name.

For an installation or update, root rights are required.

New installation:

```
installp -F -ac -d `pwd`/<package> CMX
```

Update from an earlier version:

Please uninstall the old package first and then install the new package.

2.3.2 Uninstalling PCMX(AIX)

Uninstalling CMX(AIX):

```
installp -u CMX.all
```

2.4 Notes on product operation

2.4.1 Limit values

Max. number of ICMX applications per processes	1024
Max. number of TVs (TCEPs) per ICMX application	1024
Max. number of RFC1006 connections per ICMX application	1024

2.5 Obsolete and discontinued functions

2.6 Incompatibilities

2.6.1 Source programs

The CMX library is available as a shared object. This means that your programs will automatically use the new CMX library without having to be relinked after a new CMX version has been installed.

2.7 Restrictions

2.8 Additions to the manual

COMM-CD-PCMX_06.2009\Documents>manual_changes_en.txt

2.9 Miscellaneous information

2.9.1 Compiling and linking PCMX applications

The README file under /opt/lib/cmx/demo/cmxDe contains information about compiling and linking PCMX applications.

2.9.2 New functions

IPv6:

The extended addressing over the IPv6 stack is supported.

Multithreaded functions:

The CMX-lib is thread save since the version 6.0. The calls to the CMX-lib can be made from different, maybe competing threads. For it is necessary to use the CMX-functions of the library libpthreadcmx.so when creating applications.

3 Changes to previous Version

3.1 Connection to the own Process

Connections can be set up to the own process.

3.2 TNS-Tools tnsxdel and tnsxnames

This two CMX tools are now deployed with by PCMX. They are documented in CMX manuals.

3.3 Ipv6: Link-local addresses

PCMX supports link-local addresses in the IPv6-stack.