IBM.

Installing C/C++ compiler and runtime PTFs on AIX

Technote (troubleshooting)

Problem(Abstract)

How to install an XL C/C++, C for AIX, or VisualAge C++ compiler or runtime PTF on AIX.

Resolving the problem

The recommended method of installing PTFs is using the SMIT utility. You must be logged in as root or have the superuser authority. Follow the instructions below to install a PTF:

1. Download the desired PTF package - for example vacpp.70.aix50.may2005.ptf.tar.Z. See the Related URL section below for a link to the latest C and C++ compiler updates.
2. Uncompress and untar the downloaded package into an empty directory:
   a. To uncompress the file use the command **uncompress <filename>.tar.Z**
   b. To untar the resulting file use the command **tar -xvf <filename>.tar**
3. Generate a .toc file in the directory - use the command **inutoc <PTF directory>**
4. Use the command **smitty install_all** to go the appropriate installation screen in SMIT.
5. Install the PTF filesets:
   a. For INPUT device / directory for software specify the path of the directory where PTF filesets are located.
   b. On the next screen modify the installation options to suit your needs. Usually, it suffices to accept the default options.

```
INPUT device / directory for software            <PTF dir>
SOFTWARE to install                              [ all ]
PREVIEW only? (install operation will NOT occur)  no
COMMIT software updates?                          yes
SAVE replaced files?                              no
AUTOMATICALLY install requisite software?         yes
EXTEND file systems if space needed?              yes
OVERWRITE same or newer versions?                 no
VERIFY install and check file sizes?              no
DETAILED output?                                  no
Process multiple volumes?                         yes
ACCEPT new license agreements?                    no
Preview new LICENSE agreements?                   no
```

The installation log will be stored to file $HOME/smit.log.
Note: Reboot is not needed.

Related information

[Supported C and C++ compilers: latest updates](#)

Cross Reference information

Segment	Product	Component	Platform	Version	Edition
Software Development	XL C Enterprise Edition for AIX	Install/Setup/Configuration/Documentation	AIX	All Versions	
Software Development	VisualAge C++	Install/Setup/Configuration/Documentation	AIX	All versions	

Document information

More support for:
XL C/C++
Install/Setup/Configuration

Software version:
All

Operating system(s):
AIX

Reference #:
1215669

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2005-08-30