IBM.

How to determine the installed XL C/C++ for AIX compiler version

Technote (FAQ)

Question

How do you determine the XL C/C++ for AIX compiler version installed on your machine?

Cause

When using **lslpp -l** and **grep** commands to search for the installed compiler file sets, a common mistake is to misinterpret the xlC.aix61.rte or the xlC.aix50.rte flieset as the XL C/C++ for AIX compiler file set.

Answer

As shown in the following examples, the most common way to determine the XL C/C++ compiler version on your machine is by using the **-qversion** option.

Example:

```
$ /usr/vacpp/bin/xlC -qversion
IBM XL C/C++ for AIX, V11.1 (5724-X13)
Version: 11.01.0000.0015
or
$ /usr/vac/bin/xlc -qversion
IBM XL C/C++ for AIX, V11.1 (5724-X13)
Version: 11.01.0000.0015
$
```

As shown in the following example, another method is to use the **lslpp -l** and **grep** commands to search for the installed compiler file sets.

Example:

```
$ lslpp -l | grep "vac.C"; lslpp -l | grep "vacpp.cmp.core"; lslpp -l | grep "xlC.aix*"
  vac.C                 11.1.0.15  COMMITTED  IBM XL C Compiler
  vac.C                 11.1.0.15  COMMITTED  IBM XL C Compiler
  vacpp.cmp.core        11.1.0.15  COMMITTED  IBM XL C/C++ Compiler
  vacpp.cmp.core        11.1.0.15  COMMITTED  IBM XL C/C++ Compiler
  xlC.aix61.rte          12.1.0.2  COMMITTED  IBM XL C++ Runtime for AIX 6.1
$
```

Note: Use caution with the lslpp method. Do not misinterpret the xlC.aix61.rte or the xlC.aix50.rte flieset as the XL C/C++ for AIX compiler file set. Here is the correct mapping between the file sets and the products:

File set	Product
vac.C	XL C for AIX
vacpp.cmp.core	XL C/C++ for AIX
xlC.aix61.rte (on AIX6.1) xlC.aix50.rte (on AIX5.*)	XL C++ Runtime for AIX

You have the following versions:
V11.1.0.15 for the XL C for AIX compiler
V11.1.0.15 for the XL C/C++ for AIX compiler and
V12.1.0.2 for the XL C++ Runtime for AIX

Note: The version of the C++ Runtime can be higher than the Compiler because the C++ Runtime is backwards compatible.

Related information

AIX OS levels supported by XL Compilers

Document information

More support for:
XL C/C++ for AIX
Documentation

Software version:
10.1, 11.1, 12.1

Operating system(s):
AIX

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1652272

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