VAC6.0 安装手册

一、操作系统需要安装以下 FILESETS

bos.adt.includeBase Application Development Include Filesbos.adt.libBase Application Development Librariesbos.adt.libmBase Application Development Math Librariesbos.net.ncsBase Network Computing Servicesifor_ls.compatLicense Use Management Version 4 Compatibilityifor_ls.baseLicense Use Management Version 4 Base

下面这些 FILESETS 在装某些组件的时候也可能需要 X11.base.rte bos.rte.. libpthreads ipfx.rte ifor_ls.base.gui ifor_ls.client.gui 这些可以用 lslpp -1 |grep xxxx 来查看是否安装和状态

二、VAC的安装过程 1 # smitty install_all

2.

INPUT device / directory for software

Move cursor to desired item and press Enter.

F1=Help Esc+5=Reset F2=Refresh Esc+6=Command

F3=Cancel Esc+7=Edit F4=List Esc+8=Image

3.

INPUT device / directory for software

Move cursor to desired item and press Enter.

按 F4 选择 /dev/cd0 (/cdrom/cd0)

4.

Healhty Fly

Type or select values in entry fields.

Press Enter AFTER making all desired changes.

	[Entry Fields]
* INPUT device / directory for software	/dev/cd0	
* SOFTWARE to install [] <<<<光标停在这里按	F4,用 F7 选择需要安装	专的 FILESETS +
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	<<<<光标停在这里按 F4	4选择 yes +
Preview new LICENSE agreements?	no	+

F1=Help	F2=Refresh	F3=Cancel	F4=List
Esc+5=Reset	Esc+6=Command	Esc+7=Edit	Esc+8=Image

5.

对于c编译器下面i	这些 FILESETS 是要装的	
vac.C	C for AIX compiler	
vac.C.readme.ibm	C for AIX additional information	
vac.lic	C for AIX LUM License Files	
vac.msg.LANG.C	C for AIX compiler messages	
xlopt.lib	XLOPT Optimization Library	
xlopt.rte	XLOPT Optimization Runtime	
xlopt.tools	XLOPT Optimization Tools	
xlsmp.msg.LANG.rte	XL SMP Runtime Messages	
xlsmp.rte	XL SMP Runtime Library	
memdbg.adt	User Heap/Memory Debug Toolkit	
memdbg.aix43.adt	User Heap/Memory Debug Toolkit for AIX 4.3	
memdbg.aix50.adt	User Heap/Memory Debug Toolkit for AIX 5.1	
memdbg.msg.LANG	User Heap/Memory Debug Messages	
对于 c++编译器下	面这些 FILESETS 是要装的	
vacpp.cmp.aix43.lib	VisualAge C++ Libraries for AIX 4.3	
vacpp.cmp.aix43.tools VisualAge C++ Tools for AIX 4.3		
vacpp.cmp.aix50.lib VisualAge C++ Libraries for AIX 5.1		
vacpp.cmp.aix50.tools	VisualAge C++ Tools for AIX 5.1	
vacpp.cmp.core VisualAge C++ Compiler		
vacpp.cmp.include VisualAge C++ Compiler Include Files		

vacpp.cmp.lib V	isualAge C	++ Libraries
vacpp.cmp.rte	VisualAge	C++ Compiler Application Runtime
vacpp.cmp.tools	VisualAge	C++ Tools
vacpp.lic	VisualAge	C++ for AIX LUM License Files
vacpp.memdbg.aiz	x43.lib	VisualAge C++ User Heap and Memory Debugger
Libraries for AIX	4.3	
vacpp.memdbg.aix	x43.rte	VisualAge C++ User Heap and Memory Debugger
Runtime for AIX 4	4.3	
vacpp.memdbg.aiz	x50.lib	VisualAge C++ User Heap and Memory Debugger
Libraries for AIX	5.1	
vacpp.memdbg.aix	x50.rte	VisualAge C++ User Heap and Memory Debugger
Runtime for AIX 5	5.1	
vacpp.memdbg.lib)	VisualAge C++ User Heap and Memory Debugger
Libraries		

对于 Debugger 编译器下面这些 FILESETS 是要装的

idebug.client.extras	Debugger Interpreted Engine for OS/390&
idebug.client.gui	Debugger Graphical User Interface
idebug.client.olt Ol	oject Level Trace Viewer
idebug.engine.compi	led Debugger Engine for Compiled Languages
idebug.engine.interpr	eted Debugger Engine for Interpreted Languages
idebug.help.en_US	Debugger help — English only
idebug.msg.LANG.er	ngine Debugger Engine Messages
idebug.msg.LANG.olt Object Level Trace Messages	
idebug.rte.hpj High	-Performance Java? Runtime
idebug.rte.jre Java	Runtime Environment
idebug.rte.olt.Java	Object Level Trace Java Runtime
idebug.rte.olt.client	Object Level Trace Client Controller
idebug.server.olt O	bject Level Trace Server

根据操作系统版本选择相应的 FILESETS, 还要注意那些 help、msg 文件的语言, 选个 en_US 的也就是了, 别忘了装 6.0.0.0 VisualAge C++ Compiler Include Files 和 6.0.0.0 VisualAge C++ Libraries。

6.

安装结束可能会提示失败,没关系,仔细看 FAILURES 段的描述,要只是说系统没有的 某些语言集或者选择的 FAILURES 和操作系统的版本不一致,这就没关系。 COMMAND STATUS

Command: failed stdout: yes stderr: no

Before command completion, additional instructions may appear below.

[TOP]

Healhty Fly

geninstall -I "a -cgNqwXY -J" -Z -d /dev/cd0 -f File 2>&1

7.vac 的注册 #/usr/opt/ifor/bin/i4config

From a License Management point of view, you can choose to configure this system as:

1) Network License Client

- 2) Nodelock License Server (and/or Network License Client)
- 3) Network (and/or Nodelock) License Server
- 4) Central Registry (and/or Network and/or Nodelock) License Server (*)

(*) Remember that one and only one Central Registry License Server (i4gdb daemon) can be active in a Licensing domain.

Please indicate your choice [1,2,3,4]: 2

Do you want to disable remote administration of this Nodelock License Server? [y,n]: n

You have to choose now which mechanism must be enabled to locate this License Server:

NCS Namespace and Direct Binding (*)
 Direct Binding only

(*) WARNING: Modifying NCS Namespace configuration may affect any other application that use NCS on this system. NCS Namespace is necessary to support old Netls, iFOR/LS Clients.

Please indicate your choice [1,2]: 2

The Administration Tool usually uses port number [12999] to locate the Nodelock License Servers. If for some reason your environment can not use port [12999],

or you want to modify a previously assigned port number you can do it now.

Do you want to change the Nodelock License Server ip port number? [y,n]: n

Choose the desired Server(s) logging level

1) Default

2) All

3) Customized

Please indicate your choice [1,2,3]: 1

The default Log file(s) path is /var/ifor Enter blank to accept default or specify a new path:

Do you want to modify the list of remote Nodelock and/or Network License Servers this system can connect to in direct binding mode (both for Administration purposes and for working as Network License Client) ? [y,n]: n

Do you want the License Server(s) automatically start on this system at boot time? [y,n]: y

WARNING: Configuration is about to end.

This is your last chance to quit before your updates will be written.

Do you want to continue? [y,n]: y

*** Configuration file updated. ***

Do you want the License Server(s) start now? [y,n]: y 0513-059 The i4llmd Subsystem has been started. Subsystem PID is 29674.

'Start Services' has completed successfully

/usr/opt/ifor/bin/i4blt -a -f /usr/vac/cforaix_cn.lic -R root -T 10
i4blt Version 4.6.6 AIX -- LUM Basic License Tool
(c) Copyright 1995-2002, IBM Corporation, All Rights Reserved
US Government Users Restricted Rights - Use, duplication or disclosure restricted by GSA ADP Schedule Contract with IBM Corp.

(c) Copyright 1991-1997 Gradient Technologies Inc., All Rights Reserved

(c) Copyright 1991,1992,1993, Hewlett-Packard Company, All Rights Reserved

ADM-10099: Product successfully enrolled

8. # find / -name cc /usr/vacpp/bin/cc /usr/vac/bin/cc 把/usr/vac/bin 加入环境变量 # cc

C for AIX Compiler, Version 6

Usage:

xlc [option | inputfile]... cc [option | inputfile]... c89 [option | inputfile]... xlc128 [option | inputfile]... cc128 [option | inputfile]... xlc_r [option | inputfile]... cc_r [option | inputfile]... xlc_r4 [option | inputfile]... cc_r4 [option | inputfile]... xlc_r7 [option | inputfile]...

Description:

The xlC and related commands compile C and C++ source files. They also processes assembler source files and object files. Unless the -c option is specified, xlC calls the linkage editor to produce a single object file. Input files may be any of the following:

1. file name with .c suffix: C source file

2. file name with .i suffix: preprocessed C or C++ source file

3. file name with .o suffix: object file for ld command

以上在 IBM VisualAge C++ Professional for AIX, Version 6.0 5765-F56-00

AIX5.2.0.02 下测试通过,具体信息请参考 Getting Started with VisualAge C++ for

AIX Introduction, Installation, and Migration Guide SC09-4962-00

三、配置 License Server:

1、重新用 root 用户登录; 键入 ./var/ifor/i4blt 命令;

2、键入 i4cfg - script 命令,此时系统将提供菜单供选择,按以下步骤执行:

1、选择 2) Nodelock License Server (and/or Network License Client);

2、出现 Do you want to disable remote administration of this Nodelock License Server? [y,n]:时选择 y ;

3、选择 2) Direct Binding only;

4、选择 1) Default;

5、在出现 The default Log file(s) path is /var/ifor Enter blank to accept default or specify a new path:时, 键入: /var/ifor;

6、当提示 Do you want to modify the list of remote Nodelock and/or Network License Servers this system can connect to in direct binding mode (both for Administration purposes and for working as Network License Client)? [y,n]:时,选择 n;

7、当提示 Do you want the License Server(s) automatically start on this system at boot time? [y,n]: 时,选择 y;

8、系统提示 Do you want to continue? [y,n]:时;选择 y;

9、当系统询问 Do you want the License Server(s) start now? [y,n]:时,选择 y