

Tivoli Application Dependency Discovery Manager

Isof requirements

IBM

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Isof requirements

On the target operating systems (computer systems) that you want TADDM to discover, the LiSt Open Files (Isof) program must be installed.

The Isof program is dependent on the version of the operating system for which it was compiled. If you get the following type of message, the correct Isof program is not installed:

```
sushpatel79: $ lsof -nP -i | awk '{print $2, $9, $10}' | sort -k 2 | uniq -f 1
lsof: WARNING: compiled for AIX version 4.3.2.0; this is 5.1.0.0.
10352 *
24770 * (CLOSED)
12904 * (LISTEN)
```

The following tables list the Isof version requirements according to the version of both the operating system and the kernel, and Table 5 on page 3 indicates where you can obtain the Isof program and the requirements for running the program. Because these lists are provided only as an aid and do not necessarily include all possible combinations of operating system, kernel, and Isof version, a discovery run might be successful even if the specific combination of versions is not listed here.

For more information about the Isof program, see <http://www.ibm.com/developerworks/aix/library/au-lsof.html>.

AIX® operating system: Isof version requirements

Table 1. Isof version requirements for AIX operating system

Operating system version	Kernel version	Isof version
6.1.0.0	6	4.7x
7.1.0.0	7	4.7x
		4.8x

HP-UX operating system: Isof version requirements

Table 2. Isof version requirements for HP-UX operating system

Operating system version	Kernel version	Isof version
B.11.11	U	4.7x
		4.8x

Linux operating system: Isof version requirements

Table 3. Isof version requirements for Linux operating system

Operating system version	Kernel version	Isof version
Red Hat Enterprise Linux AS release 4 (Nahant Update 5)	2.6.9-55.ELsmp	4.7x
Red Hat Enterprise Linux Server release 5.3 (Tikanga)	2.6.18-128.2.1.el5	4.7x

Table 3. Isof version requirements for Linux operating system (continued)

Operating system version	Kernel version	Isof version
Red Hat Enterprise Linux Server release 5.4 (Tikanga)	2.6.18-164.el5	4.7x
	2.6.18-194.el5	4.7x
Red Hat Enterprise Linux Server release 5.5 (Tikanga)	2.6.18-194.el5	4.7x
	2.6.27.19-5-default	4.8x
Red Hat Enterprise Linux Server release 6.0 (Santiago)	2.6.32-71.el6.x86_64	4.8x
SUSE Linux Enterprise Server 10 (i586)	2.6.16.46-0.12-default	4.7x
SUSE Linux Enterprise Server 11 (x86_64)	2.6.27.19-5-default	4.8x

Solaris operating system: Isov version requirements

Table 4. Isov version requirements for Solaris operating system

Operating system version	Kernel version	Isof version
5.10	SunOS 5.10 Generic	4.7x
	SunOS 5.10 Generic_118833-17	4.8x
	SunOS 5.10 Generic_118833-36	4.8x

Requirements for running the lsof program

Table 5. Requirements for running the lsof program

Operating system	Where to obtain the lsof program	Requirements for running lsof program
AIX	The lsof program is available as part of the AIX Expansion Pack at http://www.ibm.com/systems/power/software/aix/expansionpack/index.html .	One of the following requirements must be met: <ul style="list-style-type: none">• The setuid (set user ID) access right flag must be set for the lsof program file. Restriction: This flag cannot be set if the lsof program is compiled with the option that allows only the root user to list all open files. In such case, use sudo that gives you the ability to run some commands as root.• The user ID that performs the discovery must be in the system and sys groups, which allows read access to the /dev/mem and /dev/kmem files.• The sensor that performs the discovery must be configured to allow the sudo command to run the lsof program. The sensor uses lsof by default. For more information, see the <i>TADDM Sensor Reference</i>.
HP-UX	http://hpux.connect.org.uk/hppd/cgi-bin/search?package=&term=/lsof .	One of the following requirements must be met: <ul style="list-style-type: none">• The setuid (set user ID) access right flag must be set for the lsof program file.• The sensor that performs the discovery must be configured to allow the sudo command to run the lsof program. The sensor uses lsof by default. For more information, see the <i>TADDM Sensor Reference</i>.

Table 5. Requirements for running the lsof program (continued)

Operating system	Where to obtain the lsof program	Requirements for running lsof program
Linux	https://www.redhat.com/wapps/sso/rhn/login.html	<p>One of the following requirements must be met:</p> <ul style="list-style-type: none"> • The setuid (set user ID) access right flag must be set for the lsof program file. • The sensor that performs the discovery must be configured to allow the sudo command to run the lsof program. The sensor uses lsof by default. For more information, see the <i>TADDM Sensor Reference</i>.
Solaris	http://sunfreeware.com/	<p>One of the following requirements must be met:</p> <ul style="list-style-type: none"> • The user ID that performs the discovery must be in the sys group. • The setgid (set group ID) access right flag must be set for the lsof program file. • The sensor that performs the discovery must be configured to allow the sudo command to run the lsof program. The sensor uses lsof by default. For more information, see the <i>TADDM Sensor Reference</i>.
Tru64	Refer to the Open Source disc that is provided with the operating system.	<p>One of the following requirements must be met:</p> <ul style="list-style-type: none"> • The setuid (set user ID) access right flag must be set for the lsof program file. • The sensor that performs the discovery must be configured to allow the sudo command to run the lsof program. The sensor uses lsof by default. For more information, see the <i>TADDM Sensor Reference</i>. <p>Note: For TADDM, the Tru64 dop command does not serve the same function that the sudo command does.</p>



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