Install: DB2 v9.7 on CentOS

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- RedHat/CentOS 5/6 x86_64
- IBM DB2 v9.7 Server

?????

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1. DB2_AESE_97_Linux_x86-64.tar.gz?DB2 ??????????????
2. v9.7fp11_linuxx64_universal_fixpack.tar.gz?DB2 fixpack????????

CentOS ?????**Minimal Desktop**

????????

> ❝ NOTE?
>
> *- libstdc++ ?? 32bit ? 64bit ????*
>
> *- ??? 32bit ??????????????????????????? DVD2 ??????*
>
> - CentOS 7 ? 32bit ????? CentOS-7.?-x86_64-**Everything**-??? ISO ???

CentOS 6, 7)

```
# yum install libaio ksh rsh-server pam-devel nfs-utils compat-libstdc++-33
# yum install libstdc++.i686 pam-devel.i686 compat-libstdc++-33.i686

# rpm -qa | grep "ksh\|openssh\|rsh-server\|nfs-utils\|libaio\|libstdc++\|libstdc++.i686\|pam-devel\|pam-devel.i686\|compat-libstdc++"
```

```
libstdc++-4.4.7-16.el6.x86_64
nfs-utils-lib-1.1.5-11.el6.x86_64
openssh-clients-5.3p1-111.el6.x86_64
pam-devel-1.1.1-20.el6.i686
libaio-0.3.107-10.el6.x86_64
ksh-20120801-28.el6.x86_64
libstdc++-4.4.7-16.el6.i686
openssh-server-5.3p1-111.el6.x86_64
pam-devel-1.1.1-20.el6.x86_64
nfs-utils-1.2.3-64.el6.x86_64
openssh-5.3p1-111.el6.x86_64
rsh-server-0.17-64.el6.x86_64
```

CentOS 5.11)

```
#> yum install pdksh nfs-utils rsh-server compat-libstdc++-296.i386 compat-libstdc++-33.i386 compat-libstdc++-33.x86_64 openssh
```

CentOS ?????

```
□□ SELinux
#> setenforce 0
#> sed -i 's/SELINUX=.*$/SELINUX=disabled/' /etc/selinux/config

□□ NetworkManager
#> service NetworkManager stop
#> chkconfig NetworkManager off
```

????

?????

```
tar xzf DB2_AESE_97_Linux_x86-64.tar.gz
cd aese/
./db2prereqcheck
./db2_install -f NOTSAMP
```

-f NOTSAMP : ???? SAMP (System Automation for Multiplatforms)??? CentOS ???????

> Default directory for installation of products - /opt/ibm/db2/V9.7
>
> ***
> Do you want to choose a different directory to install [yes/no] ?
> no
>
> Specify one of the following keywords to install DB2 products.
>
> AESE
> CLIENT
> RTCL
>
> Enter "help" to redisplay product names.
>
> Enter "quit" to exit.
>
> ***
> AESE

??? fixpack ??
????: v9.7fp11_linuxx64_universal_fixpack.tar.gz

```
tar xzf v9.7fp11_linuxx64_universal_fixpack.tar.gz
cd universal/
./db2prereqcheck
```

> ??????:
> - DBT3534W The db2prereqcheck utility determined that ASLR is set to ON and that this could cause issues with some tools.
>
> ??: ?? /etc/sysctl.conf, ?????
> kernel.randomize_va_space = 0
> ?? echo 0 > /proc/sys/kernel/randomize_va_space
>
> - WARNING:
> The 32-bit library file libpam.so is not found on the system.
>
> ??: ??????
> yum install pam-devel pam-devel.i686
>
> - WARNING:
> The 32 bit library file libstdc++.so.5 is not found on the system.

> ???yum install compat-libstdc++-33.i686

```
./installFixPack
```

> “ Enter full path name for the install directory -
> ----------
> /opt/ibm/db2/V9.7 <== ?? DB2 ???????

> “ ????:
>
> ERROR: The installFixPack command is not able to detect if there are any DB2
> libraries still loaded in memory in the current installation copy. Unload all DB2 libraries and re-issue the installFixPack command with the '-f db2lib' parameter. Note: All DB2 libraries must be unloaded before re-issuing the installFixPack command with the '-f db2lib' parameter, otherwise, some applications might not work properly and might need to be restarted to function
> properly against the updated DB2 instance.

Solution: Reboot the host, alternatively, manually clean up the below processes and rerun the db2prechk command to verify that it returns 0.

For Linux)

```
lsof +D /opt/ibm/db2/V9.7
```

For AIX)

```
/usr/bin/genld -l | grep -p db2
```

???? Linux ??? Hypervisors (??????)

Product

DB2 Advanced Enterprise Server Edition 9.7

Detailed System Requirements

Report filters

Available Reports

9.7.0.11 maintenance level

Utilities

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Notes

Data as of 2016-02-01 02:20:29 EST

Disclaimers

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Linux

Linux

Filter

Operating System	Operating System Minimum	Hardware	Bitness	Product Minimum	Components	Notes	Details
Red Hat Enterprise Linux (RHEL) 5 Advanced Platform	Update 2	IBM z Systems	64-Tolerate	9.7	● ●	(3)	View
Red Hat Enterprise Linux (RHEL) 5 Advanced Platform	Update 2	POWER System - Big Endian	64-Tolerate	9.7	● ●	(3)	View
Red Hat Enterprise Linux (RHEL) 5 Advanced Platform	Update 2	x86-64	64-Tolerate	9.7	● ●	(4)	View
Red Hat Enterprise Linux (RHEL) 5 Desktop editions	Update 2	x86-64	64-Tolerate	9.7	○ ●	(3) (5)	View
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Red Hat Enterprise Linux (RHEL) Server 7	Base	IBM z Systems	64-Exploit, 64-Tolerate	9.7.0.10	● ●	No	View
Red Hat Enterprise Linux (RHEL) Server 6	Base	POWER System - Big Endian	64-Tolerate	9.7	● ●	(6)	View
Red Hat Enterprise Linux (RHEL) Server 7	Base	POWER System - Big Endian	64-Exploit, 64-Tolerate	9.7.0.10	● ●	No	View
Red Hat Enterprise Linux (RHEL) Server 6	Base	x86-64	64-Tolerate	9.7	● ●	(6)	View
Red Hat Enterprise Linux (RHEL) Server 7	Base	x86-64	64-Exploit, 64-Tolerate	9.7.0.10	● ●	No	View
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Red Hat Enterprise Linux (RHEL) Workstation 6	Base	x86-64	64-Tolerate	9.7	○ ●	(3)	View
SUSE Linux Enterprise Server (SLES) 10	SP2	IBM z Systems	64-Tolerate	9.7	● ●	(8) (9)	View
SUSE Linux Enterprise Server (SLES) 11	Base	IBM z Systems	64-Tolerate	9.7	● ●	(8)	View
SUSE Linux Enterprise Server (SLES) 10	SP2	POWER System - Big Endian	64-Tolerate	9.7	● ●	(8) (9)	View
SUSE Linux Enterprise Server (SLES) 11	Base	POWER System - Big Endian	64-Tolerate	9.7	● ●	(2)	View
SUSE Linux Enterprise Server (SLES) 10	SP2	x86-64	64-Tolerate	9.7	● ●	(7) (9)	View
SUSE Linux Enterprise Server (SLES) 11	Base	x86-64	64-Tolerate	9.7	● ●	(2)	View
Ubuntu 8.04 LTS	Base	x86-64	64-Tolerate	9.7	● ●	(4)	View
Ubuntu 10.04 LTS	Base	x86-64	64-Tolerate	9.7	● ○	(1)	View

Footnotes

(1) Before installing DB2, please use the "apt-get" command to install the following packages: libaio1, ksh, libstdc++6-4.4-dev and libstdc++6-4.4-pic. ↑ Show in context

(2) **Random DB2 failures may occur on Linux with Address Space Layout Randomization (ASLR)**
Some DB2 processes may result in shared memory segment failures due to the Address Space Layout Randomization (ASLR) feature. ASLR is designed to insert random gaps into address space to hinder some types of security attacks. DB2 processes are capable of identifying the correct address of the shared memory segement. However not all processes are able to use that address due to randomization of ASLR. Processes that are known to encounter failures are: db2pd, db2egcf, and db2vend.

ASLR is activated by default on SLES10 and SLES11. To avoid random shared memory conflicts, it is recommended to disable ASLR at the server level. Please refer to technote ref # 1365583 for details.

- The only 32 bit Kernel architecture is x86. Only one install image per architecture is supplied with DB2 9.7. This image will contain native binaries. In the case of 64 bit architectures, 32 bit binaries (required for 32 bit DB2 applications and 32 bit external routine support) will be included.
- DB2 9.7 Enterprise Server Edition is only supported on 64 bit architectures. A 32 bit installation image with trial license is available for evaluation purpose. This image can also be used for testing purpose by installing the Database Enterprise Developers Edition license certificate.
- Known issues when running DB2 9.7 for Linux on Veritas File System. See Veritas File System may corrupt DB2 SMS termporary files and CPU usage spikes to near 100% during high I/O operations when using Veritas VxFS

↑ Show in context

(3) For additional installation prerequisites, please see http://publib.boulder.ibm.com/infocenter/db2luw/v9r7/topic/com.ibm.db2.luw.qb.server.doc/doc/r0008865.html ↑ Show in context

(4)
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↑ Show in context

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