

# Install and configure yum on AIX

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## Prerequisites:

- Download latest version of RPM file from <https://ftp.software.ibm.com/aix/freeSoftware/aixtoolbox/INSTALLP/ppc/> and copy it to /tmp/yum/rpm/ directory on AIX system.
- Download latest version of yum\_bundle (yum\_bundle\_v1.tar) from <https://ftp.software.ibm.com/aix/freeSoftware/aixtoolbox/ezinstall/ppc/> and copy it to /tmp/yum/bundle/directory on AIX system.
- Be sure /opt directory at least 512MB free.

1- Verify which RPM version you have installed.

```
1 [root@aix:/] lspp -w /usr/bin/rpm
2
3 File Fileset Type
4 -----
5 /usr/bin/rpm rpm.rte
6 File
7
8 [root@aix:/] rpm --version
9
10 RPM version 3.0.5
```

## 2- Install latest RPM version (downloaded abovefrom IBM)

```
1
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```

```
[root@aix:/] cd /tmp/yum/rpm
[root@aix:/tmp/yum/rpm] installp -aXYgd . rpm.rte
+-----+
-----+
Pre-installation Verification...
+-----+
-----+
Verifying selections...done
Verifying requisites...done
Results...
SUCSESSES
-----
Filesets listed in this section passed pre-installation
verification
and will be installed.
Selected Filesets
-----
```

```
19 rpm.rte 4.9.1.3 # RPM Package
20 Manager
21
22 << End of Success Section >>
23
24 +-----+
25 | BUILDDATE Verification ... |
26 +-----+
27
28 Verifying build dates...done
29
30 FILESET STATISTICS
31 -----
32
33 | 1 Selected to be installed, of which: |
34 | |
35 | 1 Passed pre-installation verification |
36 | |
37 | 1 Total to be installed |
38
39 +-----+
40 +-----+
```

38

+-----+  
-----+

39

40

installp: APPLYING software for:

41

rpm.rte 4.9.1.3

42

43

Warning: the contents of the following RPM  
packages will be overwritten.

44

45

If these packages did not come from the AIX  
Toolbox for Linux Applications,

46

it may be necessary to reinstall them.

47

48

zlib-1.2.5-1

49

50

#####

51

#####

52

Creating virtual packages already installed in  
your system

53

It will take a few minutes ...

54

55

2344 blocks

56

308 blocks

57	cpio: 0511-025 Cannot get information about (contains no files).
58	0 blocks
59	cpio: 0511-025 Cannot get information about (contains no files).
60	0 blocks
61	0 blocks
62	cpio: 0511-025 Cannot get information about (contains no files).
63	0 blocks
64	7426 blocks
65	12005 blocks
66	6624 blocks
67	2107 blocks
68	839 blocks
69	896 blocks
70	277 blocks
71	1296 blocks
72	10927 blocks
73	738 blocks
74	241 blocks
75	229 blocks

76 cpio: 0511-025 Cannot get information about  
(contains no files).

77

78 0 blocks

79

80 . . . . . &lt;&lt; Copyright notice for rpm.rte  
&gt;&gt; . . . . .

81 Licensed Materials - Property of IBM

82

83 5765G6200

84 Copyright International Business Machines Corp.  
2000, 2016.

85 Copyright Regents of the University of California  
86 1990, 1993, 1994, 1995.

87 Copyright Jean-loup Gailly and Mark Adler, 1995  
88 - 1998.

89 Copyright The President and Fellows of Harvard  
University 1995, 1996.

90 Copyright Julian R Seward, 1996 - 2000

91 Copyright Sleepycat Software, 1990 - 2000

92

93 All rights reserved.

94 US Government Users Restricted Rights - Use,  
duplication or disclosure

95

restricted by GSA ADP Schedule Contract with  
IBM Corp.

96

. . . . &lt;&lt; End of copyright notice for rpm.rte  
&gt;&gt;. . .

97

98

99

#####  
#####

100

Rebuilding RPM Data Base ...

101

Please wait for rpm\_install background job  
termination

102

103

It will take a few minutes

104

105

Please wait...error: incorrect format: unknown tag

106

error: incorrect format: unknown tag

107

error: incorrect format: unknown tag

108

error: incorrect format: unknown tag

109

error: incorrect format: unknown tag

110

error: incorrect format: unknown tag

111

error: incorrect format: unknown tag

112

113

Successfully updated the Kernel Authorization  
Table.

114 Successfully updated the Kernel Role Table.  
115 Successfully updated the Kernel Command Table.  
116 Successfully updated the Kernel Device Table.  
117 Successfully updated the Kernel Object Domain  
Table.  
118 Successfully updated the Kernel Domains Table.  
  
Finished processing all filesets. (Total time: 1 mins  
59 secs).

+-----+  
-----+

#### Summaries:

+-----+  
-----+

#### Installation Summary

-----

Name	Level	Part	Event
Result			

-----

-----

rpm.rte	4.9.1.3	USR	
APPLY	SUCCESS		

```
rpm.rte          4.9.1.3      ROOT
APPLY           SUCCESS
```

### 3- Untar RPM files from YUM BUNDLE yum\_bundle\_v1.tar (downloaded before from IBM)

```
1
2
3
4
5
6
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10
11
12
13
14
15

[root@aix:/] cd /tmp/yum/bundle

[root@aix:/] ls -ltr yum_bundle_v1.tar

-rw-r----- 1 root  system  49530880 Jan 13
12:14 yum_bundle_v1.tar

[root@aix:/tmp/yum/bundle] tar xvf
yum_bundle_v1.tar

x curl-7.44.0-1.aix6.1.ppc.rpm, 584323 bytes, 1142
media blocks.

x db-4.8.24-3.aix6.1.ppc.rpm, 2897799 bytes, 5660
media blocks.

x gdbm-1.8.3-5.aix5.2.ppc.rpm, 56991 bytes, 112
media blocks.

x gettext-0.10.40-8.aix5.2.ppc.rpm, 1074719 bytes,
2100 media blocks.

x glib2-2.14.6-2.aix5.2.ppc.rpm, 1686134 bytes,
3294 media blocks.

x pysqlite-1.1.7-1.aix6.1.ppc.rpm, 51602 bytes, 101
```

```
16 media blocks.
17 x python-2.7.10-1.aix6.1.ppc.rpm, 23333701 bytes,
18 45574 media blocks.
19 x python-devel-2.7.10-1.aix6.1.ppc.rpm, 15366474
20 bytes, 30013 media blocks.
21 x python-iniparse-0.4-1.aix6.1.noarch.rpm, 37912
22 bytes, 75 media blocks.
23 x python-pycurl-7.19.3-1.aix6.1.ppc.rpm, 162093
24 bytes, 317 media blocks.
25 x python-tools-2.7.10-1.aix6.1.ppc.rpm, 830446
26 bytes, 1622 media blocks.
27 x python-urlgrabber-3.10.1-1.aix6.1.noarch.rpm,
28 158584 bytes, 310 media blocks.
29 x readline-6.1-2.aix6.1.ppc.rpm, 489547 bytes, 957
30 media blocks.
31 x sqlite-3.7.15.2-2.aix6.1.ppc.rpm, 1334918 bytes,
32 2608 media blocks.
33 x yum-3.4.3-3.aix6.1.noarch.rpm, 1380343 bytes,
34 2696 media blocks.
x yum-metadata-parser-1.1.4-1.aix6.1.ppc.rpm,
62211 bytes, 122 media blocks.
[root@aix:/tmp/yum/bundle] ls -ltr
total 193488
```

```
35 -rw-r----- 1 root system 62211 Jun 28 2016
yum-metadata-parser-1.1.4-1.aix6.1.ppc.rpm
36
37 -rw-r----- 1 root system 1334918 Jun 28
2016 sqlite-3.7.15.2-2.aix6.1.ppc.rpm
38
39 -rw-r----- 1 root system 489547 Jun 28
2016 readline-6.1-2.aix6.1.ppc.rpm
40
-rw-r----- 1 root system 158584 Jun 28
2016 python-urlgrabber-3.10.1-1.aix6.1.noarch.rpm

-rw-r----- 1 root system 830446 Jun 28
2016 python-tools-2.7.10-1.aix6.1.ppc.rpm

-rw-r----- 1 root system 162093 Jun 28
2016 python-pycurl-7.19.3-1.aix6.1.ppc.rpm

-rw-r----- 1 root system 37912 Jun 28 2016
python-iniparse-0.4-1.aix6.1.noarch.rpm

-rw-r----- 1 root system 15366474 Jun 28
2016 python-devel-2.7.10-1.aix6.1.ppc.rpm

-rw-r----- 1 root system 23333701 Jun 28
2016 python-2.7.10-1.aix6.1.ppc.rpm

-rw-r----- 1 root system 51602 Jun 28 2016
pysqlite-1.1.7-1.aix6.1.ppc.rpm

-rw-r----- 1 root system 1686134 Jun 28
2016 glib2-2.14.6-2.aix5.2.ppc.rpm

-rw-r----- 1 root system 1074719 Jun 28
2016 gettext-0.10.40-8.aix5.2.ppc.rpm

-rw-r----- 1 root system 56991 Jun 28 2016
gdbm-1.8.3-5.aix5.2.ppc.rpm
```

```
-rw-r----- 1 root system 584323 Jun 28
2016 curl-7.44.0-1.aix6.1.ppc.rpm

-rw-r----- 1 root system 2897799 Jul 01
2016 db-4.8.24-3.aix6.1.ppc.rpm

-rw-r--r-- 1 root system 1380343 Aug 25
19:41 yum-3.4.3-3.aix6.1.noarch.rpm
```

4- Install RPM files from YUM BUNDLE yum\_bundle\_v1.tar (downloaded before from IBM)

```
1 [root@aix:/tmp/yum/bundle] rpm -ivh *.rpm
2
3 Preparing... #####
4 ##### [100%]
5
6 1:readline #####
7 ##### [ 6%]
8
9 2:sqlite #####
10 ##### [ 13%]
11
12 3:gettext #####
13 ##### [ 19%]
14
15 4:glib2 #####
16 ##### [ 25%]
17
18 5:yum-metadata-parser #####
19 ##### [ 31%]
20
21 6:gdbm #####
22 ##### [ 38%]
```

```
13      7:db      #####  
##### [ 44%]  
14  
      8:python   #####  
##### [ 50%]  
15  
      9:pysqlite #####  
##### [ 56%]  
16  
     10:python-iniparse #####  
##### [ 63%]  
17  
     11:curl     #####  
##### [ 69%]  
18  
     12:python-pycurl #####  
##### [ 75%]  
19  
     13:python-urlgrabber #####  
##### [ 81%]  
20  
21  
22  
23  
24      error: incorrect format: unknown tag  
25  
26      error: incorrect format: unknown tag  
27  
28      error: incorrect format: unknown tag  
29  
30      error: incorrect format: unknown tag  
31  
      error: incorrect format: unknown tag
```

32 error: incorrect format: unknown tag

33 error: incorrect format: unknown tag

34 error: incorrect format: unknown tag

35 error: incorrect format: unknown tag

36 error: incorrect format: unknown tag

37 error: incorrect format: unknown tag

38 error: incorrect format: unknown tag

39 error: incorrect format: unknown tag

40 error: incorrect format: unknown tag

41 error: incorrect format: unknown tag

42 error: incorrect format: unknown tag

43 error: incorrect format: unknown tag

44 error: incorrect format: unknown tag

45 error: incorrect format: unknown tag

46 error: incorrect format: unknown tag

47 error: incorrect format: unknown tag

48 error: incorrect format: unknown tag

error: incorrect format: unknown tag

error: incorrect format: unknown tag

```
error: incorrect format: unknown tag

error: incorrect format: unknown tag

14:yum #####
##### [ 88%]

15:python-devel #####
##### [ 94%]

16:python-tools #####
##### [100%]
```

5- Verify YUM binary file.

```
1 [root@aix:/tmp/yum/bundle] which yum
2 /usr/bin/yum
```

6- Verify YUM version:

```
1 [root@aix:/tmp/yum/bundle] yum --version
2 3.4.3
3 Installed: yum-3.4.3-3.noarch at 2017-01-13 11:22
4 Built : None at 2016-08-18 11:06
```

5

Committed: Sangamesh Mallayya  
&lt;sangamesh.swamy@in.ibm.com&gt; at  
2016-08-19

7- Edit yum.conf file on AIX system and add this code.

NOTE: URL- [http://apache\\_private\\_server/repo](http://apache_private_server/repo) is your private yum repository.

1

```
[root@aix:/tmp/yum/bundle] cp  
/opt/freeware/etc/yum/yum.conf  
/opt/freeware/etc/yum/yum.conf.ORIG
```

2

3

```
[root@aix:/tmp/yum/bundle] cat  
/opt/freeware/etc/yum/yum.conf
```

4

5

```
[main]
```

6

```
cachedir=/var/cache/yum
```

7

```
keepcache=1
```

8

```
debuglevel=2
```

9

```
logfile=/var/log/yum.log
```

10

```
exactarch=1
```

11

```
obsoletes=1
```

12

13

```
[AIX_Toolbox]
```

```
14 name=Private YUM repository
15 baseurl=http://apache\_private\_server/repo
16 enabled=1
17 gpgcheck=0
18
# PUT YOUR REPOS HERE OR IN separate files
# named file.repo
# in /etc/yum/repos.d
```

You can find official documentation from IBM here: <https://goo.gl/epAjj0>

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