

# Setup private yum repository for AIX clients

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Prerequisites:

- A Unix server on your private network:
  - Accessing IBM repository  
`ftp://public.dhe.ibm.com/aix/freeSoftware/aixtoolbox/RPMS/ppc/`
  - Apache server installed to serve RPM files for internal AIX clients.
  - AIX clients must access this Apache server via http.

1- Mirror IBM's aixtoolbox site.

Let's mirror IBM's aixtoolbox site to our Unix server using wget. Run these commands:

```
1 [root@unix.domain:~] mkdir /repo
2 [root@unix.domain:~] chown apache:apache /repo
3 [root@unix.domain:~] cd /repo
4 [root@unix.domain:~] wget -m
  ftp://public.dhe.ibm.com/aix/freeSoftware/aixtoolbox/RPMS/ppc/
```

Once downloaded all folders/files from IBM, let's configure Apache server.

2- Setup and configure Apache server to serve internal AIX clients.

Add the following Apache directive to http.conf and restart your server. Apache server is listening on port 80/TCP.



```
10 [AIX_Toolbox]
11 name=Private YUM repository
12 baseurl=http://unix-linux.domain:80/repo/
13 enabled=1
14 gpgcheck=0
15
16 # PUT YOUR REPOS HERE OR IN separate files
   # named file.repo
17
   # in /etc/yum/repos.d
```

NOTE: If you have not install YUM on AIX client, see this post <http://wp.me/p5bweg-7f>

Now, let's list all available packages from yum repository.

```
1 root@aix:/] yum list available
2
3 Available Packages
4 ElectricFence.ppc      2.2.2-1
   AIX_Toolbox
5 MySQL.ppc             3.23.58-2
   AIX_Toolbox
6 MySQL-client.ppc     3.23.58-2
   AIX_Toolbox
7
```

8	MySQL-devel.ppc	3.23.58-2	
	AIX_Toolbox		
9			
	Xaw3d.ppc	1.5-4	AIX_Toolbox
10			
	Xaw3d-devel.ppc	1.5-4	
11	AIX_Toolbox		
12	a2ps.ppc	4.13-2	AIX_Toolbox
13	atk.ppc	2.20.0-2	AIX_Toolbox
14	atk-devel.ppc	2.20.0-2	AIX_Toolbox
15	bash.ppc	4.3.30-1	AIX_Toolbox
	.		
	.		
	.		

Now, let's install wget on AIX client from yum repository.

```

1
2
3
4
5

```

```

[root@aix:/] yum -y install wget

Setting up Install Process

Resolving Dependencies

--> Running transaction check

---> Package wget.ppc 0:1.17.1-1 will be installed

```

6 --> Finished Dependency Resolution

7

8 Dependencies Resolved

9

10 =====

11 =====

12 =====

13 =====

14 =====

Package	Arch	Version
Repository		Size

14

15 =====

16 =====

17 =====

18 =====

17 Installing:

18

wget	ppc	1.17.1-1
------	-----	----------

AIX_Toolbox		359 k
-------------	--	-------

19

20

21 Transaction Summary

22 =====

23 =====

24 =====

25 =====

26 =====

```
25          Install    1 Package
26
27          Total size: 359 k
28          Installed size: 932 k
29          Downloading Packages:
30          Running Transaction Check
31          Running Transaction Test
32          Transaction Test Succeeded

          Running Transaction

          Installing : wget-1.17.1-1.ppc

                                1/1

          Installed:

          wget.ppc 0:1.17.1-1

          Complete!
```

That's it!!

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