

# 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.

```
1          <Directory "/repo">
2              Options Indexes FollowSymLinks MultiViews
3                  AllowOverride None
4
5                      Require all granted
6
7          </Directory>
8
9          Alias /repo  "/repo"
```

### 3- Configure YUM on AIX clients.

Add this code to /opt/freeware/etc/yum/yum.conf file on client side (AIX system)

```
1
2          [root@aix:/] cat /opt/freeware/etc/yum/yum.conf
3
4          [main]
5
6              cachedir=/var/cache/yum
7
8              keepcache=1
9
10             debuglevel=2
11
12             logfile=/var/log/yum.log
13
14             exactarch=1
15
16             obsoletes=1
```

```

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
5           ElectricFence.ppc      2.2.2-1
6           AIX_Toolbox
7
8           MySQL.ppc             3.23.58-2
9           AIX_Toolbox
10
11          MySQL-client.ppc     3.23.58-2
12          AIX_Toolbox

```

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

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

```
1          [root@aix:/] yum -y install wget
2          Setting up Install Process
3          Resolving Dependencies
4          --> Running transaction check
5          ---> Package wget.ppc 0:1.17.1-1 will be installed
```

```
6          --> Finished Dependency Resolution
7
8          Dependencies Resolved
9
10         =====
11
12         =====
13          Package      Arch      Version
14          Repository
15
16         =====
17
18          Installing:
19          wget        ppc       1.17.1-1
20          AIX_Toolbox           359 k
21
22
23
24          Transaction Summary
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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