Setup private yum repository for AIX clients

Article Number: 524 | Rating: Unrated | Last Updated: Thu, Feb 21, 2019 8:31 PM 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/aixtoolbo

 x/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 directove to http.conf and restart yoru server. Apache server is listen on port 80/TCP.

1	<directory "="" repo"=""></directory>
2	Options Indexes FollowSymLinks MultiViews
4	AllowOverride None
5	Require all granted
6	
с 	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	[root@aix:/] cat /opt/freeware/etc/yum/yum.conf
2	[main]
3	cachedir=/var/cache/yum
4	keepcache=1
5	debuglevel=2
6	logfile=/var/log/yum.log
7	exactarch=1
8	obsoletes=1
9	

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 ava	ilable
3	Available Packages	
4	ElectricFence.ppc AIX_Toolbox	2.2.2-1
5	MySQL.ppc AIX_Toolbox	3.23.58-2
6 7	MySQL-client.ppc AIX Toolbox	3.23.58-2

9	MySQL-devel.ppc AIX_Toolbox	3.23.58	-2
10	Xaw3d.ppc	1.5-4	AIX_Toolbox
11	Xaw3d-devel.ppc AIX_Toolbox	1.5-4	
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

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[root@aix:/] yum -y install wgetSetting up Install ProcessResolving 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	Package Arch Version
14	Size Size
15	
16	
17	
18	Installing:
19	wget ppc 1.17.1-1 AIX_Toolbox 359 k
20	
21	Transaction Summary
22	
23	
24	

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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