

Using ARCHIE

- Offline Installation of <packages>

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This guide helps package and install <package> on archie or any offline machine. It includes copying binaries, dependencies, and setting up installation scripts.

1. Check Dependencies

Find all dependencies for <package>:

```
ldd /usr/bin/<package>
```

2. Package Required Files

Create a directory to store <package> and its dependencies:

```
mkdir package_offline_package  
cp /usr/bin/<package> package_offline_package/  
cp /usr/share/man/man1/<package>.1.gz package_offline_package/
```

Copy the shared libraries listed by `ldd`:

```
ldd /usr/bin/<package> | awk '{print $3}' | xargs -l '{}' cp -v '{}' package_offline_package/
```

3. Create Installation Script

Create an install script in the `package_offline_package` directory:

```
cat << 'EOF' > package_offline_package/install_package.sh  
#!/bin/bash  
  
# Copy <package> binary  
mkdir -p /usr/bin/  
cp <package> /usr/bin/  
  
# Copy man page
```

```
mkdir -p /usr/share/man/man1/  
cp <package>.1.gz /usr/share/man/man1/  
  
# Copy dependencies  
cp -v /* /lib/ 2>/dev/null || cp -v /* /usr/lib/ 2>/dev/null  
  
# Update shared library cache  
ldconfig  
EOF  
  
chmod +x package_offline_package/install_package.sh
```

4. Compress the Package

Create a tarball of the directory:

```
tar -czvf package_offline_package.tar.gz package_offline_package/
```

5. Transfer to archie

Either run a `scp tmux_offline_package.tar.gz archie:~` or transfer via USB

6. Install on Archie

On the offline machine:

Extract the tarball:

```
tar -xzvf package_offline_package.tar.gz
```

Run the installation script:

```
cd package_offline_package  
sudo ./install_package.sh
```

Notes

- Verify the installation by running the command to check the package version:

```
<package> --version
```