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How do I find what dependencies a rpm file has?

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RPM is a Package Manager for popular distribution such as Red Hat, Suse and many others. It is a powerful command line package management system for installing, uninstalling, verifying, querying, and updating Linux computer software packages.

You can find out what dependencies a rpm file has i.e. it will tell you what you need to install package with following command:

```
rpm -qpR {rpm-file}  
rpm -qR {package-name}
```

Find out what dependencies a uninstalled rpm file called mediawiki-1.4rc1-4.i586.rpm:

```
# rpm -qpR mediawiki-1.4rc1-4.i586.rpm
```

It will print list of dependencies on screen (output):

```
mod_php  
php-session  
php-gettext  
php-zlib  
php-mysql  
ImageMagick-Magick++  
tetex  
cjk-latex  
rpmLib(PayloadFilesHavePrefix)
```

However RPM has in build mechanism to tell you about dependencies. Just try to install package and it will give you list of dependencies.

```
# rpm -ivh mediawiki-1.4rc1-4.i586.rpm
```

Output:

```
error: Failed dependencies:  
mod_php is needed by mediawiki-1.4rc1-4  
php-session is needed by mediawiki-1.4rc1-4  
php-gettext is needed by mediawiki-1.4rc1-4  
php-zlib is needed by mediawiki-1.4rc1-4  
php-mysql is needed by mediawiki-1.4rc1-4  
ImageMagick-Magick++ is needed by mediawiki-1.4rc1-4  
tetex is needed by mediawiki-1.4rc1-4  
cjk-latex is needed by mediawiki-1.4rc1-4
```

Note:

- .rpm file: File with .RPM extension. Typically this file is not installed. It may be on CD or you just downloaded from Internet.
- package-name: It is installed RPM file.

You can solve dependencies problem by installing each individual package(s). If you are using Red hat Linux then you can try [this tip](#) ^[1]. If you are using Fedora core Linux then try [yum](#) ^[2]. If you are using Suse linux then use Yast to install rpms.

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[1] this tip: <http://www.cyberciti.biz/faq/nixcraft/vivek/blogger/2005/10/red-hat-rpm-dependency-problem.php>

[2] yum: <http://forum.cyberciti.biz/yum-fedora-linux-howto-vt244.html>

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