# MathJax.node for RHEL 7.0 installation

## Installing the RPM

This assumes the EPEL repository is enabled on the server already.

* sudo yum install mathjax\_node-0.3.0-2.x86-64.rpm

The package nodejs will be installed as a dependency.

## Updating the RPM

You can update it like this:

* sudo yum update mathjax\_node-0.3.0-2.x86-64.rpm

## Testing the install

You can test it is working like this:

/opt/mathjax\_node/tex2svg a

This should output an SVG file (approximately 20 lines long, ending in </svg>) to the console.

## Building the RPM

Packages needed for build to work:

* sudo yum install npm g++ rpm-build

Set up for creating RPMs:

* mkdir -p ~/rpmbuild/{BUILD,RPMS,SOURCES,SPECS,SRPMS}
* echo '%\_topdir %(echo $HOME)/rpmbuild' > ~/.rpmmacros

Set up for this RPM:

* Place RPM spec file mathjax\_node-0.3.0.spec in ~/rpmbuild/SPECS
* Download https://github.com/mathjax/MathJax-node/archive/master.tar.gz and store in ~/rpmbuild/SOURCES (not sure why rpmbuild doesn’t do this for you but I’ve checked and it doesn’t seem to be able to)

Create a location for build files:

* mkdir ~/rpmbuildroot

Do the build

* cd ~/rpmbuild/SPECS
* rpmbuild --buildroot=$HOME/rpmbuildroot -ba mathjax\_node-0.3.0.spec

The created RPM can now be found in ~/rpmbuild/RPMS/x86\_64/mathjax\_node-0.3.0-2.x86-64.rpm.

Note: I used the version number 0.3.0 from the package.json file in the MathJax.node repository. This needs updating in the spec file when packaging a newer version. If changing this version number, the ‘Release’ value should be set back to 1.