# IRIS EMC PARAVIEW PLUGINS; INSTALLATION GUIDE

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Comments or questions? Please contact:

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### **ParaView**

ParaView is an open-source, multi-platform data analysis and visualization application for visualizing 2D/3D data

- Main site: https://www.paraview.org
- Download page: https://www.paraview.org/download/
- Webinars: https://www.paraview.org/webinars/
- Wiki: https://www.paraview.org/Wiki/ParaView
- Discussion forum: <a href="https://discourse.paraview.org/">https://discourse.paraview.org/</a>

What do you need before installing ParaView?

ParaView currently supports Python 2.7, so make sure you have Python 2.7 installed on your system for installation

#### Install ParaView:

- Go to <a href="https://www.paraview.org/download/">https://www.paraview.org/download/</a>
- Download and install the latest version of ParaView for your system





## **EMC ParaView Plugins**

Python programmable filters/sources that allow ParaView display EMC netCDF/GeoCSV Earth models along with other auxiliary Earth data https://github.com/iris-edu/EMC-ParaView

## Installing the Plugins is Easy!

- Download the latest release of EMC-ParaView Plugins: https://github.com/iris-edu/EMC-ParaView/releases
- Unpack the package where you want to install it. It will install under the IRIS EMC Paraview directory:
- Read the INSTALL.txt file
- Run the build\_plugins\_macros.py script under the src directory python build\_plugins\_macros.py

```
IRIS_EMC_Paraview The root directory of the plugins

| _____INSTALL.txt Package installation guide
| _____src This directory and its subdirectories contain the plugin bundle code
| _____build_plugins_macros.py Installation script
```

Check the script's output for any error messages.

Note: Warnings about not installing README files are OK and are expected



```
python2 ./build plugins macros.py
 installing under Darwin OS
.... Attempting to wrap READERS in XML...
....trying read earthquakes.py
Vendor: continuum
Product: anaconda
Message: trial mode expires in 27 days
++++ SUCCESS: readers/read earthquakes.py ---> IRIS EMC Paraview/plugins/read earthquakes.xml
....trying read etopo.py
Vendor: continuum
Product: anaconda
Message: trial mode expires in 27 days
++++ SUCCESS: readers/read etopo.py ---> IRIS EMC Paraview/plugins/read etopo.xml
....trying read 3d models.py
Vendor: continuum
Product: anaconda
Message: trial mode expires in 27 days
++++ SUCCESS: readers/read 3d models.py ---> IRIS EMC Paraview/plugins/read 3d models.xml
....trying read boundaries.py
Vendor: continuum
Product: anaconda
Message: trial mode expires in 27 days
++++ SUCCESS: readers/read boundaries.py ---> IRIS EMC Paraview/plugins/read boundaries.xml
....trying read usgs slab.py
Vendor: continuum
Product: anaconda
Message: trial mode expires in 27 days
++++ SUCCESS: readers/read usgs slab.py ---> IRIS EMC Paraview/plugins/read usgs slab.xml
....trying read grids.py
Vendor: continuum
Product: anaconda
Message: trial mode expires in 27 days
```



ParaView

is looking

for them



## Adding Plugins to ParaView

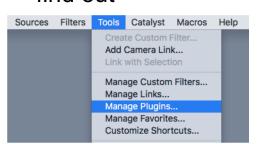
During the build process, the plugins directory gets populated

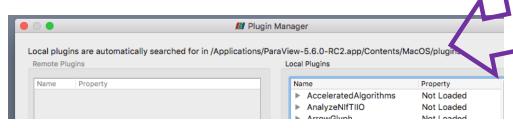
#### IRIS\_EMC\_Paraview The root directory of the plugins

load the content of the above directory to ParaView.

## Where to load them?

To find out, go to the Tools/Manage Plugins... in ParaView menu and This is find out





# emc

## How to Upload Plugins to ParaView?

Option 1: Via the Plugin Manager

Go to Tools/Manage Plugins... menu item and on the *Plugin Manager* window click on Load New button and change the file type to xml and load plugins from the IRIS\_EMC\_Paraview/plugins directory. These plugins will remain active during this ParaView session but you have to reload them after each ParaView restart

Option 2: Manual Upload

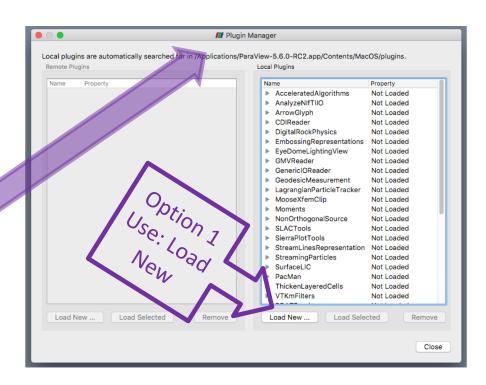
Manually copy your plugin files under the designated plugin directory so they would be loaded automatically

Note: Under Mac and Linux, you can also use symbolic links for this.

Where to copy to?

The Plugin Manager windows tells you where.

Once copied, restart the ParaView







## Where to Find the EMC ParaView Plugins?

Once the plugins are added to ParaView, EMC plugins will appear under the ParaView menu bar: Sources/IRIS EMC

