

Application Note #10 V4D Python environment

How to : «install the Anaconda package»

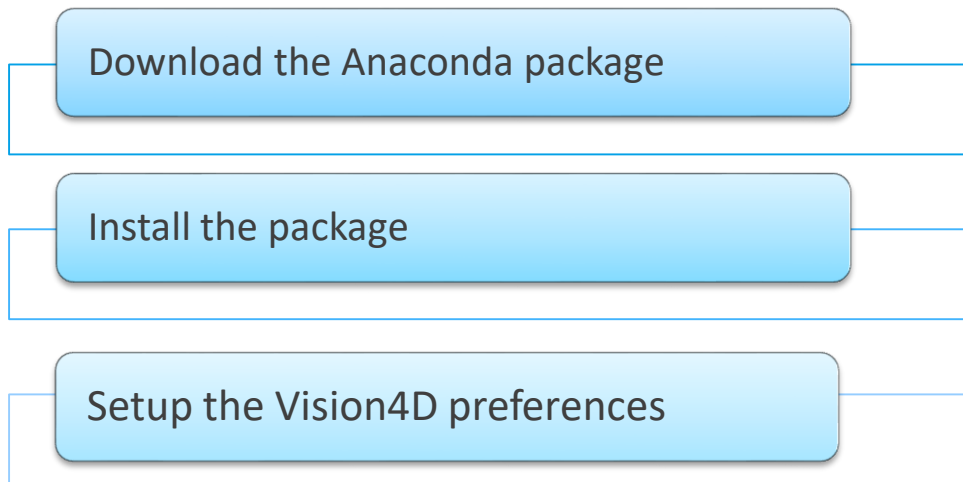
The application-note goal is to guide the user in the correct installation of the Anaconda2 Python package.

Anaconda allow to access and manage the most powerful data science and machine learning libraries, packages, and tools the open-source community has to offer.

Anaconda adds to the standard V4D Python environment many tools to improve its analysis capabilities.

“The quantitative analysis of the images represents the art of transforming a visual sensation into its schematic and discrete form allowing its univocal description, classification and mathematical and logical interpretation of its spatial and temporal components”

Application Flowchart



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1. Download the Anaconda Package

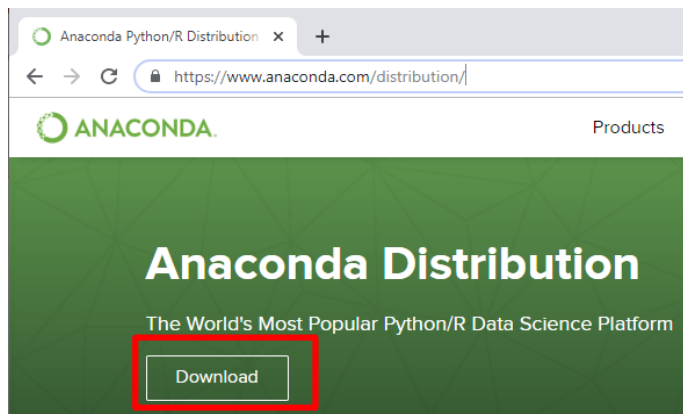
Step 1.1

Open the Anaconda web pages using the following link:

www.anaconda.com/distribution/

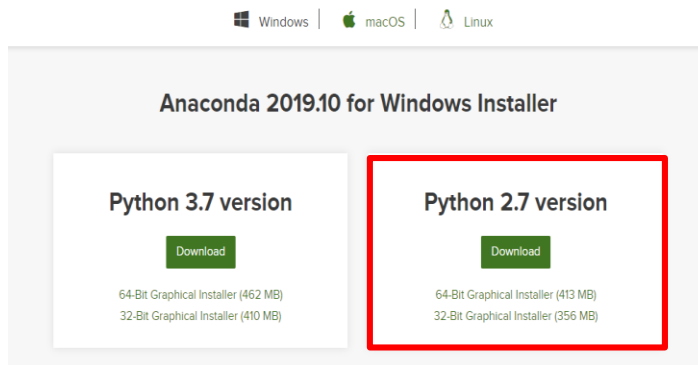
Step 1.2

Download the Anaconda setup.



Step 1.3

Select the Python 2.7 version



TIPS :

V4D Python' environment is currently compatible with the Python 2.7 version only.

2. Install the Anaconda package

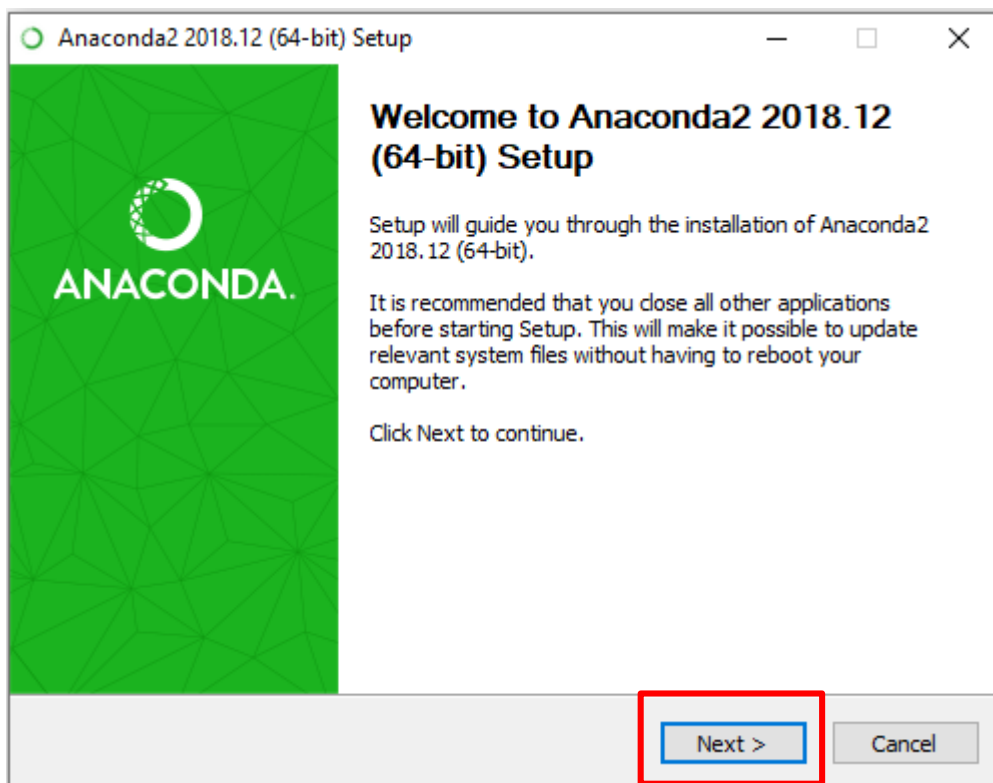
Step 2.1

Open the Download folder and locate the Anaconda2 setup file

 Anaconda2-2019.10-Windows-x86_64.exe

Step 2.2

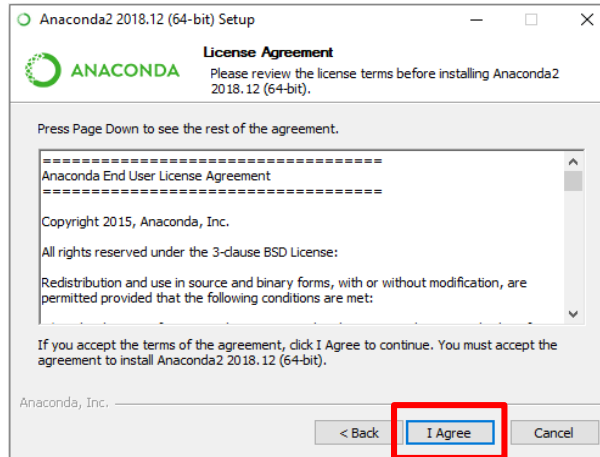
Run it and press the Next button on the setup dialog



2. Install the Anaconda package (continue)

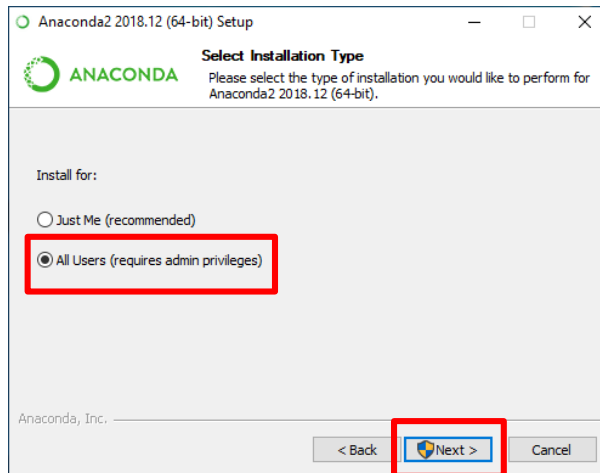
Step 2.3

Click on the „I Agree“ button to accept the License Agreement terms.



Step 2.4

Select „All Users“ option if you have the administration privileges. Otherwise select the „Just Me“ option.



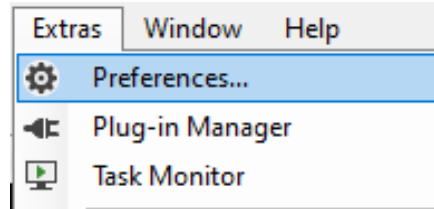
Step 2.5

Press the „Next“ button to complete the installation.

3. Setup the V4D preferences

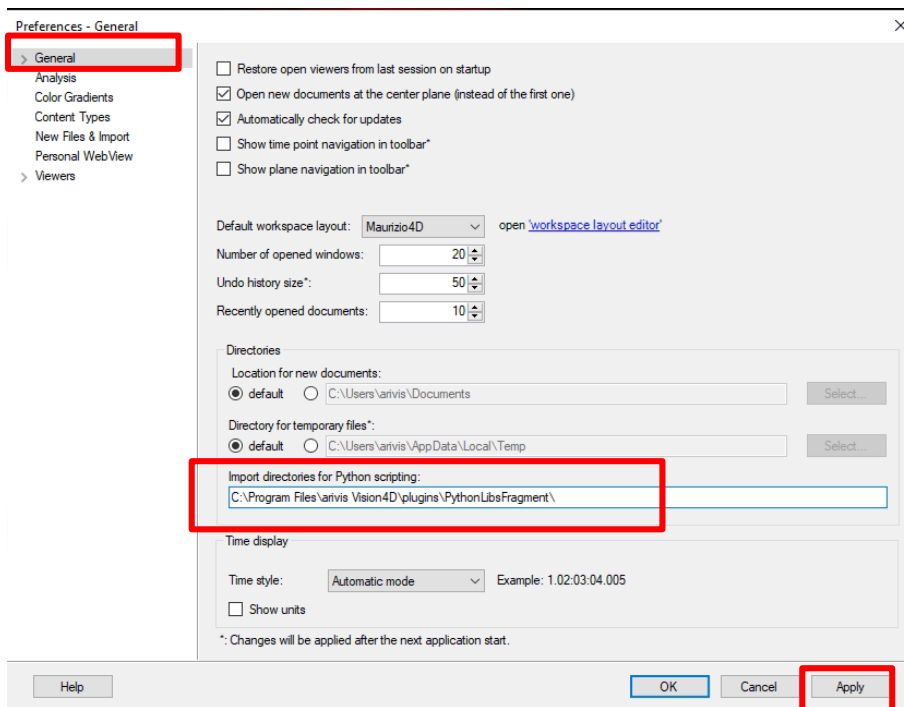
Step 3.1

Run Vision4D and, from the *Extras* menu, select the *Preferences* item.



Step 3.2

On the left panel, click on the „General“ group item.



Step 3.3

On the „*Import directories for Python scripting*“ option, change the folder with the one where the Anaconda package is installed. Press the „**Apply**“ button to confirm the new folder followed to the “**OK**” button to exit

Import directories for Python scripting:
C:\ProgramData\Anaconda2



Contact the arivis application support to receive additional technical details about the topic described in the application note, or how to adapt the application workflow to your requirements.

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