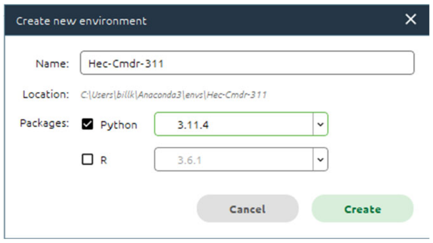
Quick Start Guide for RAS-Commander

Install Python using Anaconda Navigator

Download via https://www.anaconda.com/

Then, create a Python 3.11 Environment:

1. Open Anaconda Navigator
2. Environments > Create
3. Create Python 3.11 Environment



Name: Hec-Cmdr-311

Location: C:\Users\billk\Anaconda3\envs\Hec-Cmdr-311

Packages: ☑ Python 3.11.4

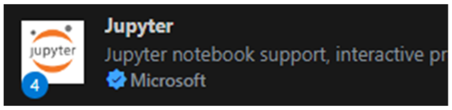
□ R 3.6.1

Install Visual Studio Code (VSCode) + Jupyter and Python Extensions

Download via https://code.visualstudio.com/Download

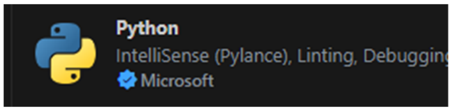
After installing, Install the following Visual Studio Code Extensions (Ctrl+Shift+X):

Jupyer:



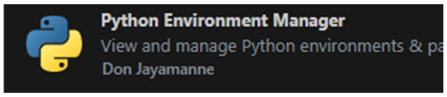
Jupyter
Jupyter notebook support, interactive pr
Microsoft

Python:



Python
IntelliSense (Pylance), Linting, Debuggin
Microsoft

Python Environment Manager:

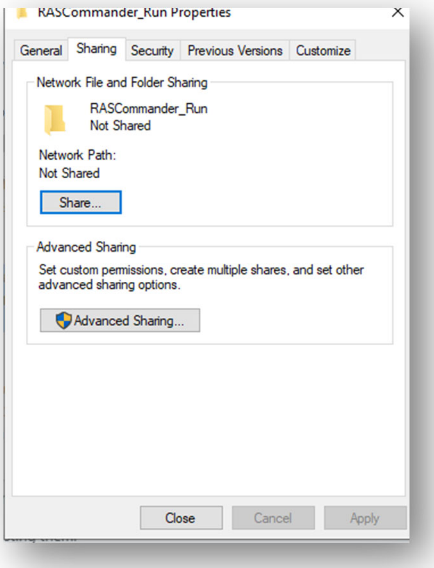


Python Environment Manager
View and manage Python environments & pa
Don Jayamanne

Create Local Windows File Shares to Support Remote Execution

Assuming you have a local workstation for remote execution, which you have already established working Remote Desktop and administrative privileges:

1. Log into the remote machine
2. Create a folder (Example: *C:\RASCommander_Run*)
3. Right click folder and go to "Properties"
4. Navigate to "Sharing" tab and click "Share"
5. Add read/write user permissions for each user or user group that will be executing runs remotely



Network File and Folder Sharing

RASCommander_Run
Not Shared

Network Path:
Not Shared

Advanced Sharing

Set custom permissions, create multiple shares, and set other advanced sharing options.

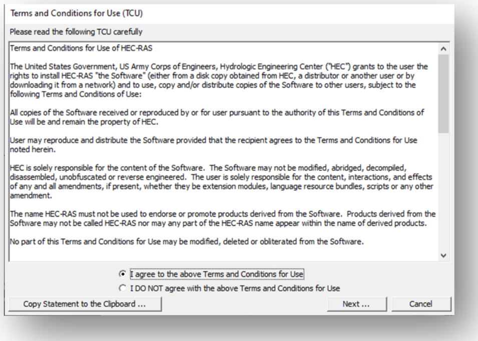
Note: When setting up multiple machines for remote execution, *ensure that each shared folder is placed at the same path on each machine, preferably outside of the user profile folders.*

Specific Windows Active Directory Security Policy and settings needed for Remote Desktop and PsExec is not within the scope of this document. It is suggested to set up a user group for HEC-RAS users that need elevated privileges on multiple machines to support this functionality.

Open HEC-RAS to Accept Terms and Conditions of Use for Each HEC-RAS Version

This is a necessary step, to prevent the program from hanging at first execute with a terms and conditions prompt. For each version of HEC-RAS you want to automate on a remote machine, the Terms and Conditions to be opened by at least one user of the machine and accepted, and HEC-RAS subsequently closed to force recordation of that acceptance.

Unfortunately, there is no direct command-line workaround for this step.


Terms and Conditions for Use (TCU)
Copy Statement to the Clipboard ...
Next ...
Cancel

Please read the following TCU carefully

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