

PyVO - a hands-on course

Markus Demleitner (*msdemlei@ari.uni-heidelberg.de*)

Hendrik Heint (*heint@ari.uni-heidelberg.de*)

Agenda

- The course
- Demo
- Lessons learned

This is a talk given at the EduIG session at the Interop in Paris in May 2019

What's PyVO?

PyVO is the Python API to the VO standards and protocols.
It's an affiliated astropy package.

What it's not: beer (Apologies to Speakers of Slavian tongues)

The course

The course is available at: <http://docs.g-vo.org/pyvo/html/>

It is addressing Python developers on intermediate level. A basic understanding of Python concepts and data models is necessary (see lessons learned).

Demo

<http://docs.g-vo.org/pyvo/html/>

Lessons learned: prerequisites

- The participants need an understanding of the VO standards and how they work from Applications like Aladin, Topcat, VOSA, Splat-VO, etc.
- Be aware and prepared of giving a introductory to Python programming...
- .. that can turn into an introduction of either scientific programming...
- ... or a basic introduction in programming concepts.

Lessons learned: on the fly

- Stay flexible and don't stick too close to the scripts.
- Adjust the course to the softwares that you are familiar with, thus making the experience for the participants unique (btw. Petr: we should have a word about your great presentation in the Apps session).
- Be prepared that this will happens in midflight.

Get the course

HTML:

<http://docs.g-vo.org/pyvo/html/>

(weird) TeX sources:

<https://svn.ari.uni-heidelberg.de/svn/edu/trunk/pyvo>

Thank you for your attention! *(Hire me! Seriously!)*