

# Learn the OpenAccess API Using Python

# Initial Contribution By

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Updates & Additions by Si2 2020

# Preparations

- Download and install oaScript and oaxPop
- Lab 1.1: Verify oaScript Installation
- Lab 12.1: Verify oaxPop Installation

# See the install guide in the oaScript Downloads area of the Member Portal

- This will show you how to set your environment variables so oaScript works
- Use lab 1.1 to verify your environment is correct

```
# Lab_1.1 script
```

```
Import oa
```

```
# That's it
```

```
# Lab_12.1 script
```

```
Import oaxPop
```

```
# That's it
```

# See the install guide in the oaScript Downloads area of the Member Portal

## Lab 1.1: Verify oaScript Installation

- **Note:** most examples/solutions in this training will be in Python(3+)
- **Setup variables**

```
setenv LD_LIBRARY_PATH <oa-root>/lib/<plat>/opt
setenv PERL5LIB <oascript-root>/perl5
setenv PYTHONPATH <oascript-root>/python3
setenv RUBYLIB <oascript-root>/ruby
setenv TCLLIBPATH <oascript-root>/tcl
```

# Download oaxPop

- Based on Boost Polygon
- Works well with oaScript
- Validate oaxPop is correctly installed using lab 12.1
- Point \$PYTHONPATH to the oaxPop Python library

You should be ready to start the  
course!

# **Silicon Integration Initiative**

**[www.si2.org](http://www.si2.org)**

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