

Steps to Run a Model/Program

NOTE: Please be mindful of how you are using the system. For example, consider running larger jobs in the evening or on weekends.

Introduction

[Example Programs](#) lists the different example applications with corresponding commands.

Copy Examples

Habana provides examples of some well known AI applications under the path: [/lambda_stor/habana/apps/1.4.1/Model-References](#), on the Habana compute node **habana1** or **habana2**. Make a copy of this to your home directory:

```
cd ~/
cp -r /lambda_stor/habana/apps/1.4.1/Model-References .
```

Set PYTHONPATH

Find the Python path using the command:

```
which python3
```

The output will look something like:

```
/usr/bin/python3

# Or inside a virtual environment
/lambda_stor/homes/CELSUserID/my_env/bin/python3
```

Set PYTHONPATH

```
export PYTHONPATH=/path/to/python3
```

Then

```
export PYTHONPATH=/path/to/Model-References:$PYTHONPATH
```

If **Model-References** is in your root directory, the command would be

```
export PYTHONPATH=~/.Model-References:$PYTHONPATH
```

Venv

You will need to follow the directions in the [Virtual-Environment.pdf](#) for the next section to work.

Run

This will run the application on a Habana node.

```
cd ~/.Model-References/PyTorch/examples/computer_vision/hello_world  
python demo_mnist.py --hpu
```