

## 13.3. OPTIONS FOR NOTEBOOK SERVER ENVIRONMENTS

When you launch JupyterHub for the first time, or after stopping your notebook server, you need to fill in the **Start a notebook server** wizard so that the software and variables that you expect are available on your server. This section explains the options available in the **Start a notebook server** wizard in detail.

The **Start a notebook server** page is divided into several sections:

### Notebook image

Specifies the container image that your notebook server is based on. Different notebook images have different packages installed by default. See [Notebook image options](#) for details.

### Deployment size

Specifies the compute resources available on your notebook server.

**Container size** controls the number of CPUs, the amount of memory, and the maximum request capacity of the container.

**Number of GPUs** specifies the number of graphics processing units attached to the container.

### Environment variables

Specifies the name and value of variables to be set on the notebook server. Setting environment variables during server startup means that you do not need to define them in the body of your notebooks, or with the JupyterHub command line interface. See [Reserved environment variables](#) for a list of reserved variable names for each item in the **Environment variables** list.

**Table 13.1. Notebook image options**

Image name	Preinstalled packages
Standard data science (default)	<ul style="list-style-type: none"> <li>◦ Boto3</li> <li>◦ Kafka-Python</li> <li>◦ Pandas</li> <li>◦ Matplotlib</li> <li>◦ Numpy</li> <li>◦ Scipy</li> </ul>
Anaconda Commercial Edition	TODO
CUDA	TODO
Minimal Python	TODO
Pytorch	TODO

Image name	Preinstalled packages
Tensorflow	TODO

**Table 13.2. Reserved environment variables**

Environment variable option	Reserved variable names
None	N/A
Amazon S3	<ul style="list-style-type: none"> <li>◦ <b>AWS_ACCESS_KEY_ID</b></li> <li>◦ <b>AWS_SECRET_ACCESS_KEY</b></li> </ul>
Managed Kafka Stream	TODO
Anaconda	TODO
S2I (Source to Image)	TODO
Custom variable	N/A

### Additional resources

- [Launching JupyterHub and starting a notebook server](#)