

cuDNN 7.6.4

Installing cuDNN on CUDA 10.1

Navigate to your <cuda10.1> directory containing cuDNN Debian file.

```
sudo dpkg -i libcudnn7_7.6.4.38-1+cuda10.1_amd64.deb
```

Install the developer library, for example:

```
sudo dpkg -i libcudnn7-dev_7.6.4.38-1+cuda10.1_amd64.deb
```

Install the code samples and the cuDNN Library User Guide, for example:

```
sudo dpkg -i libcudnn7-doc_7.6.4.38-1+cuda10.1_amd64.deb
```

Verifying

To verify that cuDNN is installed and is running properly, compile the mnistCUDNN sample located in the /usr/src/cudnn_samples_v7 directory in the debian file.

Copy the cuDNN sample to a writable path.

```
$ cp -r /usr/src/cudnn_samples_v7/ $HOME
```

Go to the writable path.

```
$ cd $HOME/cudnn_samples_v7/mnistCUDNN
```

Compile the mnistCUDNN sample.

```
$ make clean && make
```

Run the mnistCUDNN sample.

```
$ ./mnistCUDNN
```

If cuDNN is properly installed and running on your Linux system, you will see a message similar to the following:

Test passed!