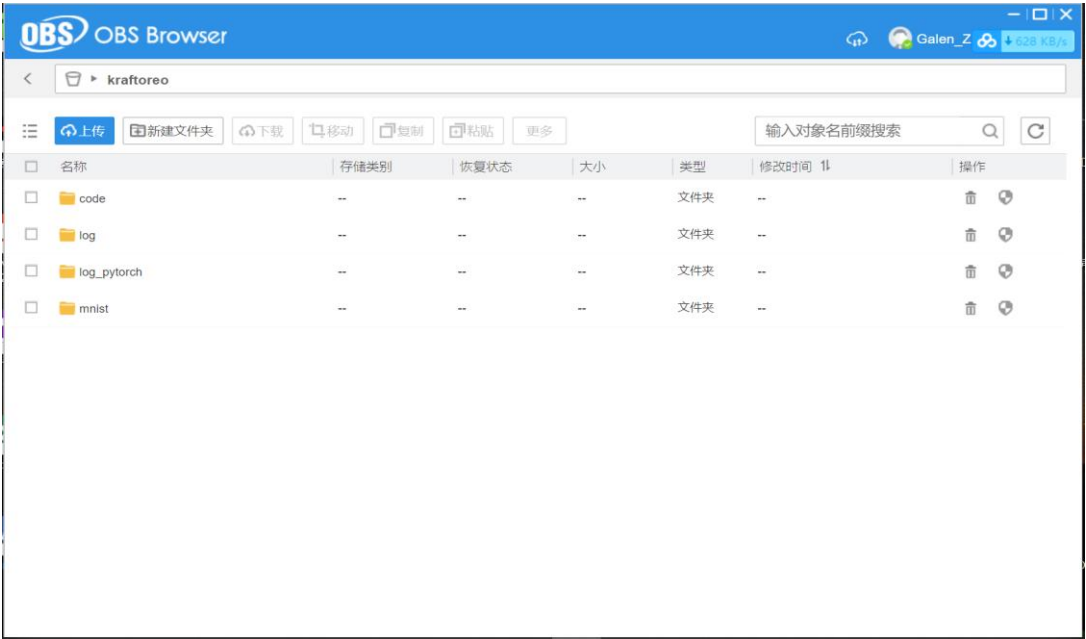


计算机科学与技术学院神经网络与深度学习课程实验报告

实验题目：The initialization of Huawei cloud server		学号：201600181058
日期：2019-3-28	班级：16 人工智能班	姓名：张多
Email：976539567@qq.com		
实验目的： Configure the cloud server and test it.		
实验软件和硬件环境： Python 3.6 ThinkPad X1Carbon 8G+256G Huawei cloud server		
Experiment Principles and methods: Follow the lead.		
实验步骤：（不要求罗列完整源代码） 1. Follow the lead and configure the server. <ul style="list-style-type: none">● Start my own bucket and download MNIST data into it.● Start the notebook and training work 2. Download the MNIST python file and run it in the notebook. (I need to add some snippets to the original python file.) 3. Run the code in training work and start a Tensorboard. 4. Run the MNIST code of pytorch version.		
结论分析与体会： 1. My bucket:		
		
Figure1. My bucket		

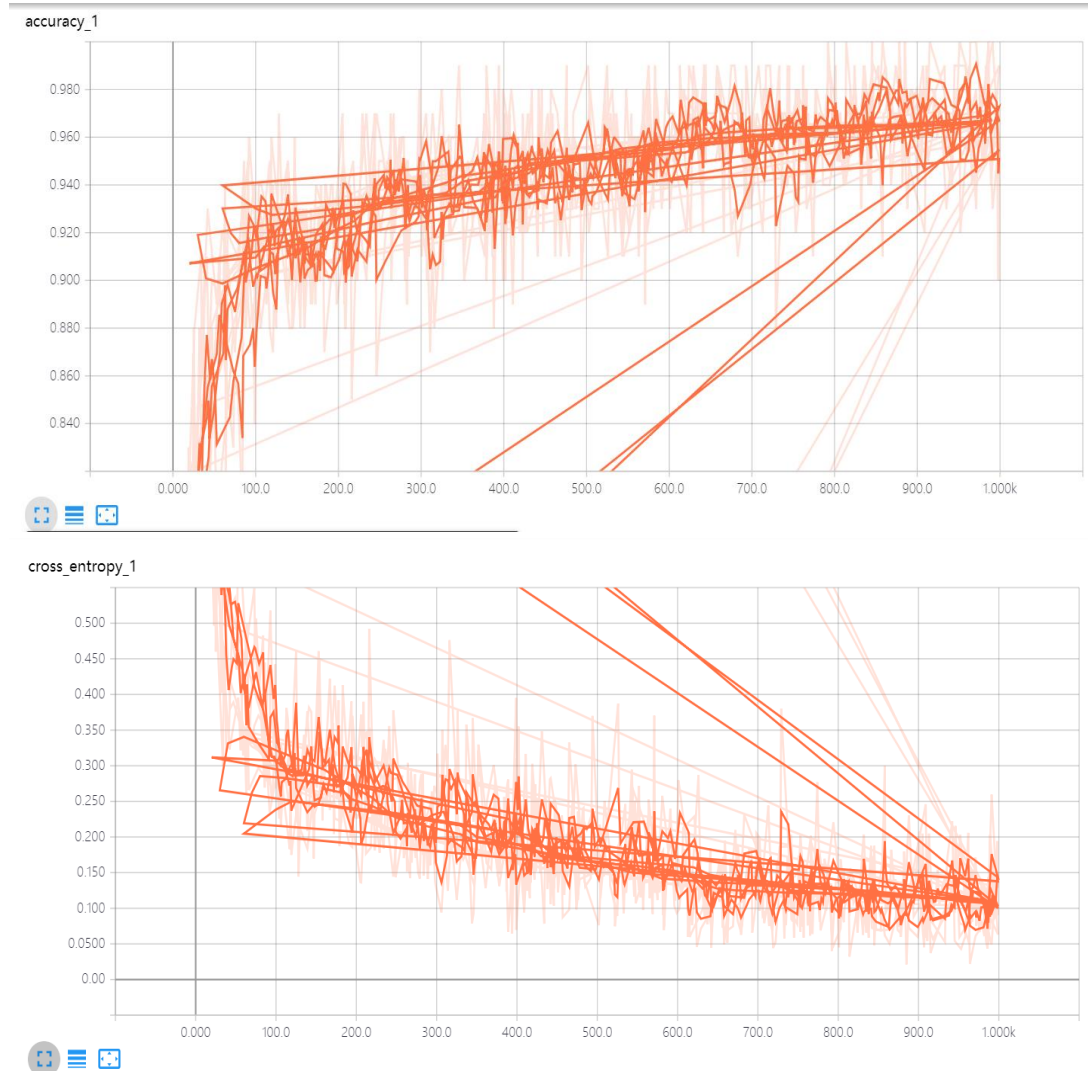
2. The result which is run in the notebook:

```
Train Epoch: 10 [50800/60000 (85%)] Loss: 0.018125
Train Epoch: 10 [51200/60000 (85%)] Loss: 0.022184
Train Epoch: 10 [51840/60000 (86%)] Loss: 0.034332
Train Epoch: 10 [52480/60000 (87%)] Loss: 0.005865
Train Epoch: 10 [53120/60000 (88%)] Loss: 0.005392
Train Epoch: 10 [53760/60000 (90%)] Loss: 0.036281
Train Epoch: 10 [54400/60000 (91%)] Loss: 0.009267
Train Epoch: 10 [55040/60000 (92%)] Loss: 0.005003
Train Epoch: 10 [55680/60000 (93%)] Loss: 0.000648
Train Epoch: 10 [56320/60000 (94%)] Loss: 0.007059
Train Epoch: 10 [56960/60000 (95%)] Loss: 0.102807
Train Epoch: 10 [57600/60000 (96%)] Loss: 0.004590
Train Epoch: 10 [58240/60000 (97%)] Loss: 0.177058
Train Epoch: 10 [58880/60000 (98%)] Loss: 0.005649
Train Epoch: 10 [59520/60000 (99%)] Loss: 0.008369
```

Test set: Average loss: 0.0315, Accuracy: 9891/10000 (99%)

Figure2. The result which is run in the notebook

3. The result demonstrated in the Tensorboard:



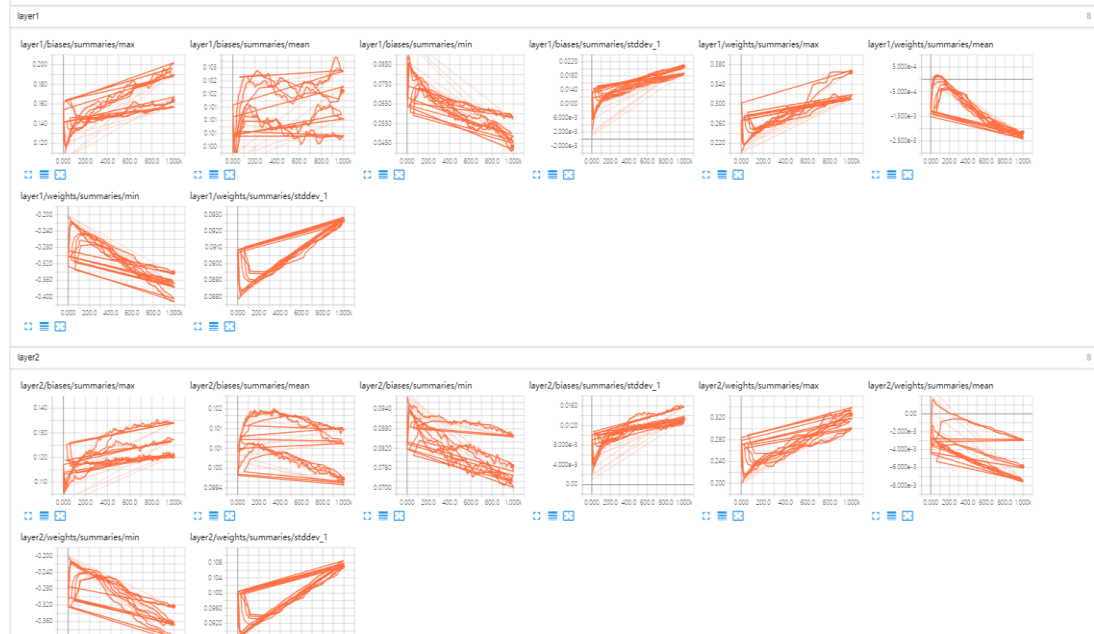


Figure3. The result demonstrated in the Tensorboard

就实验过程中遇到和出现的问题，你是如何解决和处理的，自拟 1—3 道问答题：

The biggest problem is that the pytorch version MNIST can't run in training work, but successfully output in the notebook. Still unsolved now.