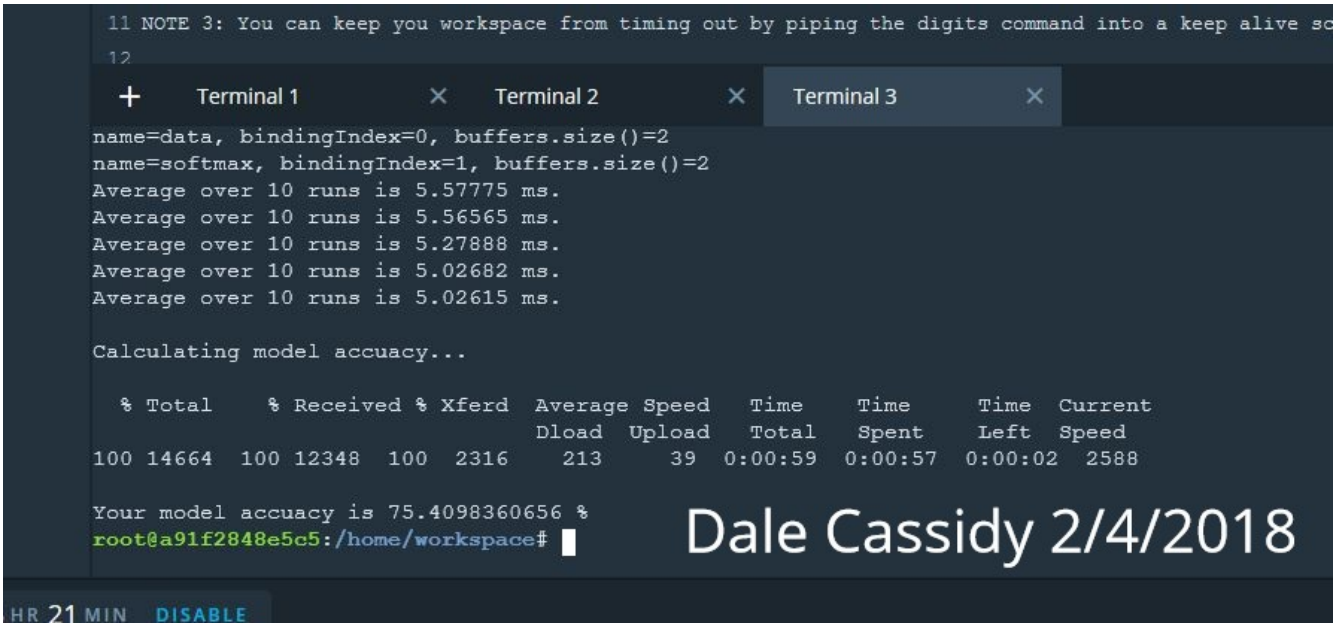
Conveyor Belt Dataset

For the first part of this project, NVIDIA's DIGITS was used to train a model on pictures of candy boxes, bottles, and nothing (empty conveyor belt) for the purpose of realtime sorting. The dataset was imported as 256x256 color images. The model was trained with Google LeNet for 5 epochs. Evaluate was then run on the model. The model came back with a 75.41% accuracy and an inference speed between 5 and 6 ms which met the requirements of the project which was a 75% accuracy at 10 ms inference speed. Down below is a snapshot of the evaluation:



The trained model for the supplied data is included in this submission.