

Apache SINGA-4.0.0 Release Notes

[EDIT](#)

SINGA is a distributed deep learning library.

This release includes following changes:

- Enhance distributed training
 - Add support for configuration of number of GPUs to be used.
 - Increase max epoch for better convergence.
 - Print intermediate mini-batch information.
 - Add support for switching between CPU and GPU devices.
- Enhance example code
 - Update the args of normalize forward function in the transforms of the BloodMnist example.
 - Update the xceptionnet in the cnn example.
 - Add arguments for weight decay, momentum and learning rates in the cnn example.
 - Add training scripts for more datasets and model types in the cnn example.
 - Add resnet dist version for the large dataset cnn example.
 - Add cifar 10 multi process for the large dataset cnn example.
 - Add sparsification implementation for mnist in the large dataset cnn example.
 - Update the cifar datasets downloading to local directories.
 - Extend the cifar datasets load function for customized directorires.
- Enhance the webpage
 - Update online documentation for distributed training.
- Promote code quality
 - Update inline comments for preprocessing and data loading.
- Update the PIL image module



5.1.0



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