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 PaddlePaddle / book

Deep Learning 101 with PaddlePaddle <http://book.paddlepaddle.org/>

904 commits

4 branches

0 releases

43 contributors

Branch: develop


New pull request

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 luotao1 Merge pull request #453 from PaddlePaddle/fixParsingFormat

Latest commit 000fbd3 7 days ago

.pre-commit-hooks	Move .theme .tmpl/* to .tools/theme	9 months ago
.tools	install vim in the docker image	3 months ago
.travis	reorganize the catalog	9 months ago
01.fit_a_line	update to fit the code style.	26 days ago
02.recognize_digits	change parameters.to_tar(f) in *.md to trainer.save_parameter_to_tar(f)	a month ago
03.image_classification	change parameters.to_tar(f) in *.md to trainer.save_parameter_to_tar(f)	a month ago
04.word2vec	change parameters.to_tar(f) in *.md to trainer.save_parameter_to_tar(f)	a month ago
05.recommender_system	Fixing anchors (#430)	2 months ago
06.understand_sentiment	Update	a month ago
07.label_semantic_roles	change parameters.to_tar(f) in *.md to trainer.save_parameter_to_tar(f)	a month ago
08.machine_translation	fix the white space issue.	7 days ago
mnist-client	Update end-to-end MNIST model URL	3 months ago
paddle @ 77e65d6	Update paddle	9 months ago
pending	Move .theme .tmpl/* to .tools/theme	9 months ago
serve	change parameters.to_tar(f) in *.md to trainer.save_parameter_to_tar(f)	a month ago
.dockerignore	ignore .git/ in /book because it has problem	3 months ago
.gitignore	Add Dockerfile, remove Dockerfile entry from .gitignore	3 months ago
.gitmodules	Add blank	9 months ago
.pre-commit-config.yaml	auto generate index.cn.html	7 months ago
.style.yapf	pre-commit and travis for book	11 months ago
.travis.yml	add deploy script to PaddlePaddle.org	a month ago
README.cn.md	Modify doc to point the lastest docker images	4 months ago
README.md	Modify doc to point the lastest docker images	4 months ago
index.cn.html	fix the link in book.paddlepaddle.org	7 months ago
index.html	fix the link in book.paddlepaddle.org	7 months ago

 README.md

# Deep Learning with PaddlePaddle

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## Running the Book

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This book you are reading is interactive -- each chapter can run as a Jupyter Notebook.

We packed this book, Jupyter, PaddlePaddle, and all dependencies into a Docker image. So you don't need to install anything except Docker. If you are using Windows, please follow [this installation guide](#). If you are running Mac, please follow [this](#). For various Linux distros, please refer to <https://www.docker.com>. If you are using Windows or Mac, you might want to give Docker [more memory and CPUs/cores](#).

Just type

```
docker run -d -p 8888:8888 paddlepaddle/book
```

This command will download the pre-built Docker image from DockerHub.com and run it in a container. Please direct your Web browser to <http://localhost:8888> to read the book.

If you are living in somewhere slow to access DockerHub.com, you might try our mirror server [docker.paddlepaddle.org](https://docker.paddlepaddle.org):

```
docker run -d -p 8888:8888 docker.paddlepaddle.org/book
```

## Training with GPU

By default we are using CPU for training, if you want to train with GPU, the steps are a little different.

To make sure GPU can be successfully used from inside container, please install [nvidia-docker](#). Then run:

```
nvidia-docker run -d -p 8888:8888 paddlepaddle/book:latest-gpu
```

Or you can use the image registry mirror in China:

```
nvidia-docker run -d -p 8888:8888 docker.paddlepaddle.org/book:latest-gpu
```

Change the code in the chapter that you are reading from

```
paddle.init(use_gpu=False, trainer_count=1)
```

to:

```
paddle.init(use_gpu=True, trainer_count=1)
```

## Contribute

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Your contribution is welcome! Please feel free to file Pull Requests to add your chapter as a directory under `/pending` . Once it is going stable, the community would like to move it to `/` .

To write, run, and debug your chapters, you will need Python 2.x, Go >1.5. You can build the Docker image using [this script](#). This tutorial is contributed by [PaddlePaddle](#), and licensed under a [Creative Commons Attribution-ShareAlike 4.0 International License](#).