

# cuda

## cuda

CUDA Toolkit Archive <https://developer.nvidia.com/cuda-toolkit-archive>

```
wget https://developer.download.nvidia.com/compute/cuda/11.8.0/local_installers/cuda-repo-
rhel7-11-8-local-11.8.0_520.61.05-1.x86_64.rpm
sudo rpm -i cuda-repo-rhel7-11-8-local-11.8.0_520.61.05-1.x86_64.rpm
sudo yum -y install nvidia-driver-latest-dkms
sudo yum -y install cuda
sudo yum clean all
```

```
# 
lspci | grep -i nvidia
```

```
# 
nvidia-smi
```

```
# nvcc
nvcc --version
# nvcc
```

## GPU CUDA

```
# 
nvidia-smi

# 
watch -n 10 nvidia-smi
```

## docker nvidia gpu

```
# 安装docker
# 安装nvidia-container-toolkit
curl -s -L https://nvidia.github.io/libnvidia-container/centos7/libnvidia-container.repo |
sudo tee /etc/yum.repos.d/nvidia-container-toolkit.repo

yum install -y nvidia-container-toolkit

# 配置docker支持gpu
nvidia-ctk runtime configure --runtime=docker

# 运行容器并分配所有gpu
docker run -itd --gpus all python:3.10.14
```

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容器 #1

容器 16 于 2024 00:48:07

容器 11 于 2025 18:36:58