

torch.backends

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\[pytorch-master] [docs] [source]backends.rst, line 6)

Unknown directive type "automodule".

```
.. automodule:: torch.backends
```

torch.backends controls the behavior of various backends that PyTorch supports.

These backends include:

- `torch.backends.cuda`
- `torch.backends.cudnn`
- `torch.backends.mkl`
- `torch.backends.mkldnn`
- `torch.backends.openmp`

torch.backends.cuda

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Unknown directive type "automodule".

```
.. automodule:: torch.backends.cuda
```

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Unknown directive type "autofunction".

```
.. autofunction:: torch.backends.cuda.is_built
```

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Unknown directive type "attribute".

```
.. attribute:: torch.backends.cuda.matmul.allow_tf32
```

A :class:`bool` that controls whether TensorFlow-32 tensor cores may be used in matrix multiplications on Ampere or newer GPUs. See :ref:`tf32_on_ampere`.

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Unknown directive type "attribute".

```
.. attribute:: torch.backends.cuda.matmul.allow_fp16_reduced_precision_reduction
```

A :class:`bool` that controls whether reduced precision reductions (e.g., with fp16 accumulation type) are allowed.

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Unknown directive type "attribute".

```
.. attribute:: torch.backends.cuda.cufft_plan_cache
```

```cufft_plan_cache``` caches the cuFFT plans

```
.. attribute:: size
```

A readonly :class:`int` that shows the number of plans currently in the cuFFT plan cache.

```
.. attribute:: max_size
```

A :class:`int` that controls cache capacity of cuFFT plan.

```
.. method:: clear()
```

Clears the cuFFT plan cache.

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Unknown directive type "autofunction".

```
.. autofunction:: torch.backends.cuda.preferred_linalg_library
```

### torch.backends.cudnn

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Unknown directive type "automodule".

```
.. automodule:: torch.backends.cudnn
```

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Unknown directive type "autofunction".

```
.. autofunction:: torch.backends.cudnn.version
```

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Unknown directive type "autofunction".

```
.. autofunction:: torch.backends.cudnn.is_available
```

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Unknown directive type "attribute".

```
.. attribute:: torch.backends.cudnn.enabled
```

A :class:`bool` that controls whether cuDNN is enabled.

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Unknown directive type "attribute".

```
.. attribute:: torch.backends.cudnn.allow_tf32
```

A :class:`bool` that controls where TensorFloat-32 tensor cores may be used in cuDNN convolutions on Ampere or newer GPUs. See :ref:`tf32\_on\_ampere`.

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Unknown directive type "attribute".

```
.. attribute:: torch.backends.cudnn.deterministic
```

A :class:`bool` that, if True, causes cuDNN to only use deterministic convolution algorithms. See also :func:`torch.are\_deterministic\_algorithms\_enabled` and :func:`torch.use\_deterministic\_algorithms`.

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Unknown directive type "attribute".

```
.. attribute:: torch.backends.cudnn.benchmark
```

A :class:`bool` that, if True, causes cuDNN to benchmark multiple convolution algorithms and select the fastest.

## torch.backends.mkldnn

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Unknown directive type "automodule".

```
.. automodule:: torch.backends.mkldnn
```

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Unknown directive type "autofunction".

```
.. autofunction:: torch.backends.mkldnn.is_available
```

## torch.backends.mkl

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Unknown directive type "automodule".

```
.. automodule:: torch.backends.mkl
```

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Unknown directive type "autofunction".

```
.. autofunction:: torch.backends.mkldnn.is_available
```

## torch.backends.openmp

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Unknown directive type "automodule".

```
.. automodule:: torch.backends.openmp
```

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Unknown directive type "autofunction".

```
.. autofunction:: torch.backends.openmp.is_available
```

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Unknown directive type "py:module".

```
.. py:module:: torch.backends.quantized
```

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Unknown directive type "py:module".

```
.. py:module:: torch.backends.xnnpack
```