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

torch.backends.cudnn

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

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\(pytorch-master) (docs) (source)backends.rst, line 57)

Unknown directive type "autofunction".

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

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\(pytorch-master) (docs) (source)backends.rst, line 59)

Unknown directive type "autofunction".

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

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\(pytorch-master) (docs) (source)backends.rst, line 61)

Unknown directive type "attribute".

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

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

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\(pytorch-master) (docs) (source)backends.rst, line 65)

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`.
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\(pytorch-master) (docs) (source)backends.rst, line 70)

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`.
```

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\(pytorch-master) (docs) (source)backends.rst, line 76)

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.mkl

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\(pytorch-master) (docs) (source)backends.rst, line 84)

Unknown directive type "automodule".

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

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\(pytorch-master) (docs) (source)backends.rst, line 86)

Unknown directive type "autofunction".

```
.. autofunction::  torch.backends.mkl.is_available
```

torch.backends.mkldnn

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\(pytorch-master) (docs) (source)backends.rst, line 91)

Unknown directive type "automodule".

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

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\(pytorch-master) (docs) (source)backends.rst, line 93)

Unknown directive type "autofunction".

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

torch.backends.openmp

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\(pytorch-master)(docs)(source)backends.rst, line 98)

Unknown directive type "automodule".

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

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\(pytorch-master)(docs)(source)backends.rst, line 100)

Unknown directive type "autofunction".

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

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\(pytorch-master)(docs)(source)backends.rst, line 105)

Unknown directive type "py:module".

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

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\(pytorch-master)(docs)(source)backends.rst, line 106)

Unknown directive type "py:module".

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