**github_url:** [https://github.com/pytorch/pytorch](https://github.com/pytorch/pytorch)

# PyTorch documentation

PyTorch is an optimized tensor library for deep learning using GPUs and CPUs.

Features described in this documentation are classified by release status:

*Stable:* These features will be maintained long-term and there should generally be no major performance limitations or gaps in documentation. We also expect to maintain backwards compatibility (although breaking changes can happen and notice will be given one release ahead of time).

*Beta:* These features are tagged as Beta because the API may change based on user feedback, because the performance needs to improve, or because coverage across operators is not yet complete. For Beta features, we are committing to seeing the feature through to the Stable classification. We are not, however, committing to backwards compatibility.

*Prototype:* These features are typically not available as part of binary distributions like PyPI or Conda, except sometimes behind run-time flags, and are at an early stage for feedback and testing.

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**System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\(pytorch-master)(docs)(source)index.rst`, line 32)**

Unknown directive type "toctree".

```
.. toctree::
   :glob:
   :maxdepth: 1
   :caption: Notes

   notes/*
```

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**System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\(pytorch-master)(docs)(source)index.rst`, line 39)**

Unknown directive type "toctree".

```
.. toctree::
   :maxdepth: 1
   :caption: Language Bindings

   cpp_index
   Javadoc <https://pytorch.org/javadoc/>
   torch::deploy <deploy>
```

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**System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\(pytorch-master)(docs)(source)index.rst`, line 47)**

Unknown directive type "toctree".

```
.. toctree::
   :maxdepth: 1
   :caption: Python API

   torch
   nn
   nn.functional
   tensors
   tensor_attributes
   tensor_view
   torch.amp <amp>
   torch.autograd <autograd>
   cuda
   torch.backends <backends>
   torch.distributed <distributed>
   torch.distributed.algorithms.join <distributed.algorithms.join>
   torch.distributed.elastic <distributed.elastic>
   torch.distributed.fsdp <fsdp>
   torch.distributed.optim <distributed.optim>
   torch.distributions <distributions>
   torch.fft <fft>
   futures
   fx
   torch.hub <hub>
   torch.jit <jit>
```

```
torch.linalg <linalg>
torch.monitor <monitor>
torch.special <special>
torch.overrides
torch.package <package>
profiler
nn.init
onnx
optim
complex_numbers
ddp_comm_hooks
pipeline
quantization
rpc
torch.random <random>
nested
sparse
storage
torch.testing <testing>
torch.utils.benchmark <benchmark_utils>
torch.utils.bottleneck <bottleneck>
torch.utils.checkpoint <checkpoint>
torch.utils.cpp_extension <cpp_extension>
torch.utils.data <data>
torch.utils.dlpack <dlpack>
torch.utils.mobile_optimizer <mobile_optimizer>
torch.utils.model_zoo <model_zoo>
torch.utils.tensorboard <tensorboard>
type_info
named_tensor
name_inference
torch.__config__ <config_mod>
```

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Unknown directive type "toctree".

```
.. toctree::
   :maxdepth: 1
   :caption: Libraries

   torchaudio <https://pytorch.org/audio/stable>
   torchtext <https://pytorch.org/text/stable>
   torchvision <https://pytorch.org/vision/stable>
   TorchServe <https://pytorch.org/serve>
   PyTorch on XLA Devices <http://pytorch.org/xla/>
```

**System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\(pytorch-master)(docs)(source)index.rst`, line 115)**

Unknown directive type "toctree".

```
.. toctree::
   :glob:
   :maxdepth: 1
   :caption: Community

   community/*
```

## Indices and tables

- :ref:`genindex`

  **System Message: ERROR/3 (`D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\(pytorch-master)(docs)(source)index.rst`, line 125); *backlink***

  Unknown interpreted text role "ref".

- :ref:`modindex`

**System Message: ERROR/3** (`D:\onboarding-resources\sample-onboarding-resources\pytorch-master\docs\source\(pytorch-master)(docs)(source)index.rst`, **line 126);** *backlink*

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