

Scope

- Understand what `torch.nn` is
- Understand what a module is
- Understand how modules are used to build and train neural networks
- Understand how to author a module in PyTorch
- Understand how to test modules in PyTorch

What is `torch.nn`?

`torch.nn` is the component of PyTorch that provides building blocks for neural networks. Its core abstraction is `nn.Module`, which encapsulates stateful computation with learnable parameters. Modules integrate with the [\[\[autograd|Autograd-Basics\]\]](#) system and are generally trained using optimizers provided in `torch.optim`.

What is a module?

Read through the following links: * [Introduction to Modules](#) * [Neural networks tutorial](#)

How to author and test a module in PyTorch

Work through the [\[\[lab|Module-Onboarding-Lab\]\]](#).