

Debugging

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Debugging and Troubleshooting

Guides

- [Debugging PyTorch programs](#)
- [Diagnosing Hangings and Deadlocks in Multi-Node Multi-GPU Python Programs](#)
- [Troubleshooting NVIDIA GPUs](#)
- [Underflow and Overflow Detection](#)
- [NCCL Debug and Performance](#) - notes for debugging NCCL-based software and tuning it up for the peak performance

Tools

- [Debug Tools](#)
- [torch-distributed-gpu-test.py](#) - this a `torch.distributed` diagnostics script that checks that all GPUs in the cluster (one or many nodes) can talk to each other and allocate gpu memory.
- [NicerTrace](#) - this is an improved `trace` python module with multiple additional flags added to the constructor and more useful output.