

MICROSOFT OFFICIAL CURRICULUM

NVIDIA

Data Parallelism: How to Train Deep Learning Models on Multiple GPUs

Program aligned

Official NVIDIA DLI workshop on data parallelism for multi-GPU deep learning training.

AI

Advanced

Distributed Deep Learning Frameworks

DURATION

8 hours

LEVEL

Advanced

FORMAT

Virtual, On-site, or Hybrid

CERTIFICATION

Available on request

AUDIENCE PROFILE

Built for these roles

Built for teams moving into faster and larger-scale deep learning training.

OVERVIEW

Executive overview

Explores how to train deep learning models across multiple GPUs using data-parallel training approaches.

PROGRAM OUTCOMES

Capabilities your teams will gain

- Understand multi-GPU training strategies
- Apply data parallelism patterns to deep learning workloads

ENTERPRISE CUSTOMIZATION

Enterprise customization

Tailor this program to your organization's priorities: Helps teams reduce model training time and use multi-GPU hardware more effectively.

Customization options

- Align to your framework and model class
- Add performance-tuning and hardware planning

CURRICULUM

Curriculum roadmap

TRAINING PROVIDER

VNode ITeS

MICROSOFT CERTIFIED TRAINER

vnodeites.com

[linkedin.com/company/vnodeites](https://www.linkedin.com/company/vnodeites)

TALK TO US

 info@vnodeites.com

 +91 9419 11 4792

 WhatsApp · +91 9419 11 4792

 +91 7780 81 1685

OFFICE

DLF Cyber City, Gurugram

Haryana — India

Azure · AI · Data · Power Platform

1

MODULE 1

Scale training across GPUs

Learn data-parallel approaches for training deep learning models more efficiently on multiple GPUs.

- Multi-GPU training basics
- Data-parallel scaling patterns

PRIVATE DELIVERY

Plan a private cohort for your team





Scope delivery format, role mix, and rollout timeline with our solutions team.

[Plan Private Delivery](#)

[Book advisory call](#)

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