# Configure optical modules for GPU services

In this article, we delve into the components and configurations involved in building large-scale GPU clusters.

This document provides guidelines for configuring NVIDIA-Certified Systems to run various GPU-accelerated computing workloads in production environments. These recommendations serve ...

This article systematically explains how optical modules build an efficient and stable interconnection system for intelligent computing centers, covering core application scenarios, ...

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There are multiple methods on the market for calculating the ratio between compute optical modules and GPUs, resulting in different outcomes. The main cause of these differences is ...

At GTC, Nvidia announced 8+ different SKUs and configurations of the Blackwell architecture. While there are some chip level differences such as memory and CUDA core counts, ...

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You can either choose from several preset configuration files or create a custom configuration to suit your testing needs. A commonly recommended test is the p2p (peer-to-peer) test, which measures ...

Comprehensive guide to optical module deployment in GPU training clusters. Learn about rail-optimized topologies, RDMA over Ethernet, bandwidth sizing, and thermal management for ...

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Specifically, this paper investigates how re-configurable optical links between GPUs in multi-GPU servers can allow for minimized memory transfer latencies for given machine learning applications.

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Web: https://www.busydoniemiecwaldii.pl