



# NVIDIA ACADEMY COURSE CATALOG

Compute and Network Training for Data Center Professionals

NVIDIA ACADEMY offers courses and workshops covering network and compute technologies for a variety of accelerated computing deployments, based on NVIDIA solutions. This education is developed by a winning team of training developers and delivered by a team of dedicated professional instructors who bring vast field experience to each course.

## HOW TO ORDER?

Instructor-led courses: [training@nvidia.com](mailto:training@nvidia.com) | [tomero@nvidia.com](mailto:tomero@nvidia.com)

Self-paced online courses: <https://academy.nvidia.com/en>

Certifications: <https://academy.nvidia.com/en/certification-center/>

## INSTRUCTOR-LED COURSES

### DGX SuperPOD Administration

This course is designed to help IT professionals successfully administer all aspects of a DGX SuperPOD cluster including compute, storage, and networking. [Learn more](#)

Delivery Format: Private remote / onsite training

Target Audience: IT Professionals, Network and System Admins/Engineers

SKU: 789-SPDIV4

Duration: 4 sessions of up to 4 hours each | 3-days onsite

### DGX POD Administration

This course provides an overview of DGX POD components and related processes, including the NVIDIA DGX H100/A100 System; InfiniBand and ethernet networks; tools for in-band and out-of-band management; NGC; the basics of running workloads; and specific management tools and CLI commands. This course includes instructions for managing vendor-specific storage per the architecture of your specific POD solution. [Learn more](#)

Delivery Format: Private remote / onsite training  
Target Audience: IT Professionals, Network and System Admins/Engineers  
SKU: 789-PODIV4  
Duration: 4 sessions of up to 4 hours each | 3-days onsite

## **DGX H100/A100 Administration**

This course provides an overview the NVIDIA DGX H100/A100 system and tools for in-band and out-of-band management, NGC, the basics of running workloads, and specific management tools and CLI commands. In addition, this course includes content on multi-instance GPU, managing storage, performance validation, and other system management tools and concepts. [Learn more](#)

Delivery Format: Private remote / onsite training  
Target Audience: IT Professionals, Network and System Admins/Engineers  
SKU: 789-DGXIV4  
Duration: 4 sessions of up to 4 hours each | 3-days onsite

## **DGX H100/A100 Administration Public Training**

This course provides an overview of the H100/A100 System and DGX H100/A100 Stations' tools for in-band and out-of-band management, the basics of running workloads, specific management tools and CLI commands. [Learn more](#)

Delivery Format: Public remote training  
Target Audience: IT Professionals, Network and System Admins/Engineers  
SKU and Price: 789-DGXIV5, \$1500 per seat  
Duration: 4 sessions of 3.5-hours

## **NVIDIA AI Enterprise Administration Public Training**

This course covers the platform and solution overview, hardware and software architecture, deployment options, licensing, temporal and spatial GPU partitioning, scaling, comprehensive validation, management, maintenance, monitoring, and troubleshooting. [Learn more](#)

Delivery Format: Public remote training  
Target Audience: IT Professionals, Network and System Admins/Engineers  
SKU and Price: 789-ONAIV3, \$1500 per seat  
Duration: 3 sessions of 4-hours

## **Bright Cluster Manager Administration Training**

The NVIDIA Bright Cluster Manager admin course provides and overview of Bright Cluster Manager including managing nodes and software images, monitoring devices and jobs, managing users, and configuring workload managers. This course also covers using Bright Cluster Manager with cloud based nodes, configuring Bright Auto Scaler, and configuring Bright for use with GPUs including NVIDIA multi-instance GPUs. [Learn more](#)

Delivery Format: Private remote / onsite training  
Target Audience: IT Professionals, Network and System Admins/Engineers  
SKU: 723-BCAIO3  
Duration: 3 sessions of 4-hours

## Cumulus Linux Private Bootcamp

In this hands-on private training, you will learn about NVIDIA Cumulus OS architecture, installation, configuration, operation, and management of Cumulus Linux running on NVIDIA switches. [Learn more](#)

Delivery Format: Private remote / onsite training

Target Audience: IT Professionals, Network and System Admins/Engineers

SKU: 789-CUMIV5

Duration: 5 sessions of 4-hours | 4-days onsite

## Cumulus Linux Public Bootcamp

Learn how to install, deploy, configure, and troubleshoot Cumulus-based networks. This course offers a perfect blend of hands-on training and theoretical education. [Learn more](#)

Delivery Format: Public remote training

Target Audience: IT Professionals, Network and System Admins/Engineers

SKU: 789-CUMBVA (APAC and Europe) / 789-CUMBVU (US and Europe), \$1500 per seat

Duration: 3 sessions of 4-hours

## Cumulus Linux Customized Advanced Training

This course focuses on advanced topics to build and operate a state-of-the-art data center or storage fabric with emphasis on troubleshooting. The course includes advanced topics such as: Filtering (Data-Path via IP-Tables and Routing via Route-Maps), QoS (RoCE), EVPN-MH, monitoring and active testing. This course may be combined with our Data Center Automation course to provide the most comprehensive training. [Learn more](#)

Delivery Format: Private remote / onsite training

Target Audience: IT Professionals, Network and System Admins/Engineers

SKU: 789-CMPIO5

Remote Training Duration: 3 Sessions of 4-hours or 5 sessions of 4-hours with Data Center Automation Training

Onsite Training Duration : 3-days or 4 days with Data Center Automation Training

## Data Center Automation Training

This modular and customizable training helps you implement an automation infrastructure for the data center. It focuses on networking devices running Linux e.g., Cumulus Linux and SwitchDev, but also includes Compute or Storage nodes running (Debian/Ubuntu) Linux. This course covers the entire data center, with a focus on vendor independence and openness. [Learn more](#)

Delivery Format: Private remote / onsite training

Target Audience: IT Professionals, Network and System Admins/Engineers

SKU: 789-CMPIO5

Duration: 2 Sessions of 4-hours

## InfiniBand Professional Customized Training

In this course, you will learn about InfiniBand architecture and how to manage, monitor and troubleshoot your InfiniBand network. [Learn more](#)

Delivery Format: Private remote / onsite training  
Target Audience: IT Professionals, Network and System Admins/Engineers  
SKU: 789-IBPIV4  
Duration: 4 Sessions of 4-hours

## InfiniBand & Cumulus Training for Triad Deployments

In this course, you will learn about InfiniBand and Cumulus architecture and how to manage, monitor and troubleshoot triad deployment-based networks.

Delivery Format: Private remote / onsite training  
Target Audience: IT Professionals, Network and System Admins/Engineers  
SKU: 789-CUSCOS  
Duration: 4 Sessions of 4-hours

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## SELF-PACED ONLINE COURSES

### Platinum Membership

This membership plan provides full access to **all** NVIDIA Academy self-paced courses (view full course list below), free certification exams, and free video library access. [Learn more](#)

SKU and Price: 789-ACPMSP, \$450 Annual

### Introduction to AI in the Data Center

Explore an introduction to AI, GPU (Graphic Processing Unit) computing, NVIDIA AI software architecture, and how to implement and scale AI workloads in the datacenter. [Learn more](#)

Target Audience: IT Professionals, Network and System Admins/Engineers  
Price: \$49 single course | \$450 as part of Platinum membership  
SKU: 789-ADCCSP

### InfiniBand Essentials

This self-paced course covers the fundamental first steps into the world of InfiniBand. If you are looking to become more familiar with InfiniBand's benefits, uses, architecture layers, and management concepts, this is the best place to start. [Learn more](#)

Target Audience: IT Professionals, Networking and System Admins/Engineers  
Price: Free course

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## **InfiniBand Professional**

This course covers the fundamentals of the InfiniBand technology from a usability point of view and builds on the details of the InfiniBand architecture specification. You will learn how to install, configure, manage, troubleshoot, and monitor your InfiniBand network. [Learn more](#)

Target Audience: IT Professionals, Network and System Admins/Engineers

Price: \$250 single course | \$450 as part of Platinum membership

SKU: 789-IBPCSE

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## **DGX Cloud Administration**

This course is based on NVIDIA DGX Cloud using NVIDIA Base Command Platform. If you are new to DGX Cloud and want to learn how to get started with the basic admin tasks and usage, this course is for you. [Learn more](#)

Target Audience: IT administrators, AI practitioners, and Data Scientists that will manage or run jobs in DGX Cloud

Price: Free course

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## **Omniverse Enterprise Administration**

This course provides an overview of the NVIDIA Omniverse solution. The course covers the solution overview, hardware and software architecture, deployment options, installation, configuration, licensing, scaling, comprehensive validation, security, management, maintenance, monitoring, and troubleshooting. [Learn more](#)

Target Audience: IT Professionals, Networking and System Admins/Engineers

Price: \$99 single course | \$450 as part of Platinum membership

SKU: 723-OVPCSP

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## **BlueField DPU Administration**

In this self-paced course, you will learn the basic concepts of BlueField DPUs as a platform for accelerated data center computing. Upon completion, you will be equipped with a set of introductory knowledge and skills that will enable you to bring-up the BlueField DPUs and begin using them to develop applications that accelerate your data centers services. [Learn more](#)

Target Audience: IT Professionals, Networking and System Admins/Engineers

Price: \$49 single course | \$450 as part of Platinum membership

SKU: 723-BFDCSP

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## **Introduction to Networking**

In this course we will cover the basics of networking, introduce some of the most used TCP/IP protocols and cover the fundamentals of an Ethernet network. In addition, you'll be equipped with the basic knowledge to understand the main data center requirements and how they can be fulfilled. [Learn more](#)

Target Audience: IT Professionals, Networking and System Admins/Engineers

Price: Free course

## **Working with NVIDIA Mellanox SB7700 EDR Switch System**

In this course you will learn how to efficiently work with this switch system, utilize its features in the most effective manner, and troubleshoot various common scenarios to reduce switch downtime. [Learn more](#)

Target Audience: IT Professionals, Networking and System Admins/Engineers

Price: \$49 single course | \$450 as part of Platinum membership

SKU: 789-SWTCSP

## **Network Administration with NVIDIA ONYX Switch System**

This course provides the required set of skills to configure and manage NVIDIA ethernet switch systems. You will learn in depth layer 2 configurations such as VLAN, STP, LAG and MLAG, as well as how to configure layer 3 features such as BGP. [Learn more](#)

Target Audience: IT Professionals, Networking and System Admins/Engineers

Price: \$99 single course | \$450 as part of Platinum membership

SKU: 789-ONXCSP

## **Introduction to Bright Cluster Manager**

This course is based on NVIDIA Bright Cluster Manager and gives an overview of the usage and components of the software. In addition, it gives a step-by-step guide through the methods to install NVIDIA Bright Cluster Manager on a head node and the steps necessary to bring up a functioning cluster managed by NVIDIA Bright Cluster Manager. [Learn more](#)

Target Audience: IT Professionals, Networking and System Admins/Engineers

Price: Free course

## **Bright Cluster Manager Administration**

This course is based on NVIDIA Bright Cluster Manager and gives an overview of the cluster management tools, Bright View and CMSH. This course also gives information on environment modules. The processes for provisioning nodes and creating software images are also covered. Learners in this course will also learn about Interacting with switches, NVIDIA GPU integration, and the Health Management Framework. [Learn more](#)

Target Audience: IT Professionals, Networking and System Admins/Engineers

Price: Free course

## **Bright Cluster Manager Auto Scaling Hybrid Cloud**

This course is based on NVIDIA Bright Cluster Manager and gives an overview of extending the cluster to the cloud with Cluster as a service and cluster extension (i.e. Hybrid Cloud) The processes for deploying cluster as a service and cluster extensions for AWS and Azure are

covered in detail. This course also shows how to setup and use of Bright auto scaler. The final topic is the setup and use of the automated cloud job data management (CMJOB) for improving flexibility and productivity of the cluster. [Learn more](#)

Target Audience: IT Professionals, Networking and System Admins/Engineers

Price: Free course

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## Ansible Essentials for Network Engineers

In this course, you will explore a variety of Ansible modules, and write playbooks specifically adapted to modern data centers. This course includes an exclusive hands-on lab environment and exercises to practice real-world scenarios in real cloud environments. [Learn more](#)

Target Audience: IT Professionals, Networking and System Admins/Engineers

Price: \$49 single course | \$450 as part of Platinum membership

SKU: 789-ANECSP

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## Linux Networking Fundamentals

Learn the fundamental concepts and commands behind Linux-based open networking.

[Learn more](#)

Target Audience: IT Professionals, Networking and System Admins/Engineers

Price: \$99 single course | \$450 as part of Platinum membership

SKU: 789-NLFCSP

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## NVIDIA Ethernet Products Overview

In this course you will learn about the products' key features, benefits, and popular uses. By the end of this course, you should know how to select the most suitable NVIDIA Ethernet solution.

[Learn more](#)

Target Audience: IT Professionals, Networking and System Admins/Engineers

Price: Free course

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## The Fundamentals of RDMA Programming

This course allows C programmers to dive into the RDMA programming world without requiring previous experience in networking or RDMA programming. We have also added tips and tricks, as well as do's and don'ts so that the skills you acquire will truly serve you when you need them. [Learn more](#)

Target Audience: Developers, IT Professionals

Price: \$49 single course | \$450 as part of Platinum membership

SKU: 789-RDMCSP

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## RDMA over Converged Ethernet (RoCE) from A to Z

In this course you will learn what is RoCE, how it works, get familiar with the different network types RoCE can run over and also learn how to configure RoCE for each network type. [Learn more](#)



Target Audience: IT Professionals, Networking and System Admins/Engineers

Price: Free course

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## NVIDIA License System

NVIDIA License System (NLS) is a new licensing solution to support the continued expansion of the NVIDIA enterprise software portfolio. This course will help you to learn about NLS and how you can move from your existing licensing solution to NLS. [Learn more](#)

Target Audience: IT Professionals, Networking and System Admins/Engineers

Price: Free course

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## MLXlink and MLXcables Debug Tools

In this course, you'll learn about the MLXlink and MLXcables debug tools. These debug tools are used for both basic link troubleshooting and for analyzing the more complex link characteristics. [Learn more](#)

Target Audience: IT Professionals, Networking and System Admins/Engineers

Price: Free course

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## Data Center Management Made Easy with NVIDIA UFM

In this course you will learn about UFM Enterprise, how to automate network discovery and provisioning, how to perform traffic monitoring and congestion discovery with UFM. In addition, you will discover how to enable job schedule provisioning and how to integrate with industry-leading job schedulers and cloud and cluster managers, including Slurm and Platform Load Sharing Facility (LSF). [Learn more](#)

Target Audience: IT Professionals, Networking and System Admins/Engineers

Price: \$49 single course | \$450 as part of Platinum membership

SKU: 789-UFMCSP

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## CERTIFICATIONS

The NVIDIA Certification Program enables partners, customers, and other professionals to demonstrate their skills and expertise. Further your career options by successfully completing an NVIDIA certification. [Learn more](#)

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## NVIDIA Certified Associate - AI in the Data Center

This is an entry-level certification that validates foundational concepts of adopting artificial intelligence computing by NVIDIA in a data center environment. [Learn more](#)

Price: \$135

SKU: 789-ADCESE



Prerequisites: A basic understanding of data center infrastructure  
Validity: two years

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## **NVIDIA Certified Professional – InfiniBand**

This is an intermediate level certification that validates core concepts for designing, deploying, and managing NVIDIA InfiniBand Fabrics. [Learn more](#)

Price: \$220

SKU: 789-IBPESE

Prerequisites: A thorough understanding of data center infrastructure and networking

Validity: two years