

OUR LEARNING EXCLUSIVE

- Custom exam prep software and materials
- Course-specific thinQtank[®] Learning publications to make the learning fun and engaging
- Hands-on labs bringing up, validating and tuning GPU systems and clusters
- **We do not teach the test.** We always deliver valuable hands-on experience
- All reading material and study guides sent to you when you register
- Every course taught by AI engineers experienced with NVIDIA platforms
- Six months mentoring access to our engineers after the course

TRAINING CAMP FORMAT

thinQtank[®] Learning delivers this course as a **four-day instructor-led training camp**, Monday to Thursday. About 50% lecture and 50% hands-on labs. Contact us for the schedule covering your dates.

PREREQUISITES

- No certification is required
- Recommended: Two to three years of data center operations with NVIDIA hardware
- NCA-AII or equivalent data center experience is a strong foundation

TARGET AUDIENCE

- Data Center Administrator
- Infrastructure / System Administrator
- Network Engineer
- Solution Architect

CERTIFICATION

This course prepares you for the NVIDIA-Certified Professional: AI Infrastructure (NCP-AII) exam.

Exam	NCP-AII, 70–75 questions in 120 minutes
Delivery	Online, remote proctored (Certiverse)
Exam fee	\$400, set by NVIDIA
Renewal	Valid two years; retake to renew

COURSE OVERVIEW

thinQtank[®] Learning is offering a unique four-day training camp comprised of four days of instructor-led learning that gives students the knowledge and skills needed to bring up GPU servers and systems, manage the physical layer, install and configure the control plane, test and verify AI clusters, and troubleshoot and optimize AI infrastructure.

The camp follows the official NVIDIA NCP-AII exam topics and study guide, with hands-on labs bringing up, validating and tuning GPU systems and clusters throughout.

This course prepares you for **the NVIDIA-Certified Professional: AI Infrastructure (NCP-AII) exam**.

WHAT YOU WILL BE ABLE TO DO

- Bring up GPU servers: BMC, OOB and TPM setup, firmware upgrades (including HGX), power and cooling validation
- Install and validate GPUs, cables, transceivers and third-party storage
- Configure BlueField network platforms and MIG for AI and HPC
- Install and configure Base Command Manager with HA, Slurm, Enroot and Pyxis
- Install GPU and DOCA drivers, the NVIDIA Container Toolkit and NGC CLI
- Verify clusters with stress tests, HPL, NCCL, ClusterKit and burn-in
- Diagnose and replace faulty GPUs, NICs, fans and PSUs and tune server and storage performance

EXCLUSIVE LEARNING PACKAGE

- NCP-AII reading plan and review guide
- NCP-AII practice exams
- Lab notebooks you keep after the course
- Course video recordings for review

DELIVERY METHODS

- Instructor-led training
- Immersive live-online training
- On-site and custom delivery

NVIDIA CERTIFICATION PATHS			
AI Infrastructure NCA-AIIO · NCP-AII · NCP-AIO · NCP-AIN · NCP-ARI Data center, operations and networking	Data Science NCA-ADS · NCP-ADS GPU-accelerated analytics and ML	Generative AI NCA-GENL · NCA-GENM · NCP- GENL · NCP-AAI LLMs, multimodal and agents	3D and Simulation NCP-OUSD OpenUSD development

COURSE MODULES	
01 AI Factory Architecture and Network Topologies	02 Deployment and Validation Sequence
03 BMC, Out-of-Band and TPM Initial Setup	04 Firmware Upgrades and Fault Detection (incl. HGX)
05 GPU Server Installation, Cabling and Transceivers	06 Physical Layer: BlueField and MIG Configuration
07 Base Command Manager Installation and HA	08 Cluster Setup: Slurm, Enroot and Pyxis
09 GPU and DOCA Drivers, Container Toolkit and NGC CLI	10 Single-Node Testing: Stress, HPL and NCCL
11 Fabric Verification: Cable Signal Quality, Firmware and NCCL East-West	12 Burn-In and Storage Testing
13 Troubleshooting and Optimization	14 Exam Review

EXAM DOMAINS		
System and Server Bring-up		31%
Physical Layer Management		5%
Control Plane Installation and Configuration		19%
Cluster Test and Verification		33%
Troubleshoot and Optimize		12%



TERMS

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