



SUPERGIANT UNIVERSITY

Kubernetes Training Courses

Building team confidence and skills
in the world of Kubernetes

 SUPERGIANT.io

Supergiant University offers on-site and online Kubernetes training courses that match the experience and needs of your team.

Foundational page 3

Requires little to no experience with Kubernetes (or associated technologies).

Intermediate pages 4-5

Requires familiarity with related aspects of Kubernetes (or associated technologies).

Advanced pages 6-7

Requires advanced experience with related aspects of Kubernetes (or associated technologies).

The Supergiant Kubernetes training courses are delivered by experts in Cloud Native, Microservices, CI/CD, DevOps culture and, of course, Kubernetes. Our trainers also hold CKA and CKAD certifications from The Linux Foundation and CNCF.



Foundational

K8S 001

Introduction to Kubernetes

This track is a vital foundation for all beginners, and it is a precursor to K8S 101. It can also serve as an introduction for those who will be working indirectly with or managing Kubernetes teams. Concepts are the major focus.

Concepts cover the environment and industry practices that fertilized the ground for Kubernetes' arrival, why Kubernetes exists (and why it is "taking over the world"), and specifically how it achieves its purpose (represented through an exercise designed to make concepts understandable).

Course Length: 1 day

Price per seat: \$600

K8S 101

Foundations

Applying the concepts from K8S 001, K8S 101 explores the primitives of Kubernetes in action. This track covers everything a beginner needs to know to begin a fruitful journey toward operations or development, and it picks up where K8s 001 stops. (Although K8S 001 is not required to take this track, it is highly recommended for those with little experience).

The goal of this track is to level up participants from a knowledge of Kubernetes concepts to the skills needed to work with it on a daily basis.

Course Length: 2 days

Price per seat: \$1,200

Intermediate

K8S 201

Advanced Foundations

This track is useful for mastering operations or development, but it is not a required prerequisite. Topics build on K8S 101 and include deeper exploration of kubectl usage, cluster networking, API primitives, and more.

The goal of this track is to provide expertise on areas that are often not given much attention but nevertheless can be vital for developing a full understanding – networking, kubectl CLI, Kubernetes API, and a survey of the security concerns that come prepackaged with Kubernetes.

Course Length: 1 day

Price per seat: \$750

K8S 211

Operations

K8S 211 covers foundational topics for operating Kubernetes, including cluster setup, deployment tools, introductory resource management, security, and more, thereby providing practical skills for basic operation. This track is recommended for those who need to get started with the operation of Kubernetes quickly, and it will contain significant lab time. The topics cover hurdles generally faced in the first few months of adopting Kubernetes, following a basic cluster lifecycle approach.

Course Length: 2 days

Price per seat: \$1,500



K8S 221

Development

K8S 221 covers topics that pertain to developing applications that run on Kubernetes, from containerization to deployment patterns, images, additional primitives, and topics for managing Pods and other resources. This track provides a start to the journey of developing for Kubernetes, and it includes significant lab time on topics designed to address many of the concerns developers will have as they begin working with Kubernetes, as well as how to accommodate a few of the features developers may have come to expect.

Course Length: 2 days

Price per seat: \$1,500



Advanced

K8S 311

Advanced Operations

K8S 311 touches topics that are more advanced than those covered in K8S 211, and it is recommended that participants take it only after having completed K8S 211. This track addresses advanced component management, extending Kubernetes, and more. It is designed to bring operators up to a level of expertise and professionalism so they are capable of dealing with complex problems associated with operating Kubernetes or leading cluster management and its companion software, such as aggregated APIs, service meshes, and more.

Course Length: 3 Days
Contact us for pricing

K8S 321

Advanced Development

Building from K8S 221, K8S 321 extends into advanced development for Kubernetes, including horizontal and vertical Pod autoscaling, advanced topics on storage, exercises in extending Kubernetes, and more. This track is designed to bring Kubernetes application developers up to a level of expertise and professionalism where they are capable of dealing with complex problems associated with developing for Kubernetes or leading the management of a cluster's workloads and their companion software, logistics, and custom resources.

Course Length: 3 Days
Contact us for pricing



K8S 331

Monitoring, Logging, and Disaster Planning

This track provides a workshop where participants will learn how to prepare for and mitigate disasters, and how to troubleshoot clusters and applications. Participants will also get hands-on setting up a monitoring, logging, and alerting stack, utilizing several technologies to do so.

The goal is learning how to provide meaningful alerting and troubleshooting data. Simulated problems will test participants' understanding of principles and practices for disaster planning, including runbooks and documentation.

Course Length: 2 days

Contact us for pricing

K8S 411 + K8S 421

CKA / CKAD Bootcamps

The goal for each of these tracks is to assess the skill level of participants on the topics covered in the exam, to walk participants through simulated hands-on examples of the questions, and to provide tips for passing the CKA or CKAD exam.

Participants will go through a period of assessment regarding the official exam curriculum, and they will then be given tips for strengthening their individual weaknesses. In addition, multiple portions of the exam will be simulated, allowing participants to experience what taking the exam will actually be like.

Course Length: 1 day per track

Contact us for pricing



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to schedule your
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training today!



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