

DevOps Training: How to Deploy to the Cloud

This Cloud Training: Understanding Deployments training covers how to think about and talk about cloud deployments, their costs and the advantages and disadvantages that companies face with different approaches. For anyone who leads a technology team, this Google Cloud training can be used to onboard new cloud specialists, curated into individual or team training plans, or as a Google reference resource.

[CBT Nuggets course material](#) →

WEEK 1	Identify Cloud Service Architectures	155 min.
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	Identity and Access Management	15
	Microservices and Containers	13
	Event-driven Behavior	7
	Blockchain	11
	Virtual Desktop Infrastructure	16
	Identify Cloud Storage Technologies	
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	Identifying Cloud Storage Technologies	2
	Cloud Storage Features	16
	Cloud Storage Characteristics	13
	Block Storage	5
	File Storage	7
	Object Storage	12
	Software-Defined Storage	8
	Content Distribution Networks	12
	Provision Cloud and Virtualized Storage	
	Overview	1
	Plan for Virtual Storage	1
	Types of Storage	11
WEEK 2		156 min.
	SAN vs NAS Comparison	17
	File Storage Protocols	7

Block Storage Protocols	11
Plan for Tiered Storage	8
Redundant Array of Independent Disks	10
Hyper-Converged Storage	9

Identify Cloud Networking Concepts

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Connectivity Types	13
Access Types	11
Software Defined Networks	8
Load Balancers	10
Name Resolution and Domain Name System	11
Filtering Network Traffic with Firewalls	12

Plan for Capacity, High Availability, and Scaling

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Plan for Capacity Management	2
Determine Baselines	13
Virtual Host Capacity Planning	9

WEEK 3

161 min.

Resource Oversubscription	11
Hypervisor Affinity	8
Automated Scaling	16
Cloud Bursting	11

Plan for Cloud Migration and Vendor Relations

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Cloud Migrations and Vendor Relations	2
Evaluate Cloud Solutions	9
Training and Up-Skilling	12
Professional Services	15
Statement of Work	11
Service Level Agreements	9
Open Source vs Proprietary Software	14
Migration Approaches	17

Plan for Cloud Workload Migration

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Virtualization Suitability Assessment	9
Migrate Physical-to-Virtual Workloads	12

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44 min.

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Migrate Cloud-to-Cloud Workloads	12
Storage Migration	10
Database Migration	10