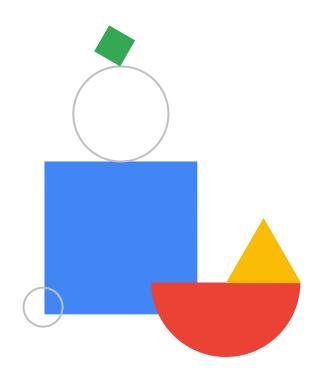


Google Cloud Expanded Learning paths



Cloud Learning Services
October 2022

Build Skills with Google Cloud Learning









Instructor-led

Our Authorized training partners (ATPs) deliver high-quality content live or in a virtual classroom.

On-demand

Learn anytime, anywhere with training developed and delivered for training at scale.

Hands-on labs

Our robust portfolio of labs and quests lets you practice a skill in a a sandbox environment.

Credentials and certifications

Our certifications and credentials are a benchmark to measure cloud skills proficiency.

Learn more at cloud.google.com/training

Google Cloud Credentials & Certifications



Completion Badges

Reward learner for engagement and completion of learning activities (e.g. Course, quest completion badges)



Skill badges

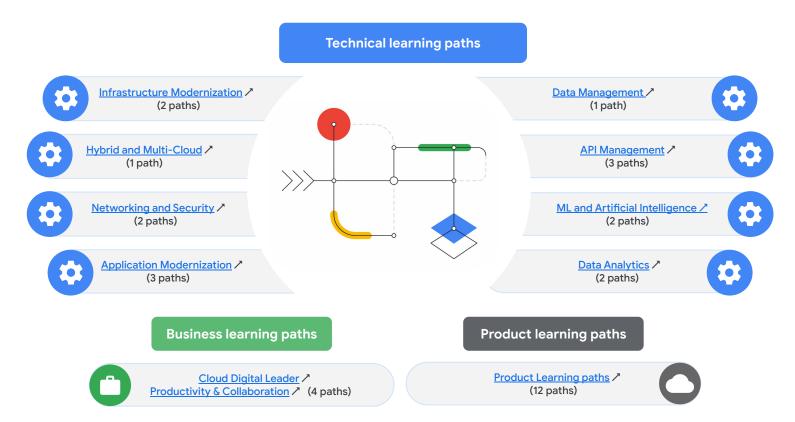
Recognize learner's knowledge and/ or hand-on skills with Google Cloud demonstrated by the completion of a learning and assessment



Certifications

Validate and mastered the knowledge and skills at performing an end-to-end job role using Google Cloud technology

Pick your learning path





Solution & Role Based Expanded Learning paths

Infrastructure Modernization

Cloud Engineer, Cloud Admin

Overview

A cloud engineer configures, sets up, and deploys cloud solutions.

- Google Compute Engine, Cloud Logging, Cloud Monitoring;
- Google Cloud Storage, and more.

On-demand		DS Data Sheet
Virtual and in-person C	Classroom	co Coursera
Skill badge		PS Pluralsight
Self-paced Labs		SB Skills Boost
Resource	Public Cla	ssroom Schedule

	Preparing for Your Associate Cloud Engineer Journey ▼ 1 DAY	DS CO PS SB
	Google Cloud Fundamentals: Core Infrastructure ▼ 1 DAY	DS CO PS SB
	Architecting with Google Compute Engine x 3 DAYS	DS CO PS SB
\top	Essential Google Cloud Infrastructure: Foundation	CO PS SB
	Essential Google Cloud Infrastructure: Core Services	CO PS SB
	Elastic Google Cloud Infrastructure: Scaling and Automation	CO PS SB
	Getting Started with Google Kubernetes Engine ▼ 1 DAY	DS CO PS SB
	Logging, Monitoring, and Observability in Google Cloud \mathbf{X} 3 DAYS	DS CO PS SB
	Getting Started with Terraform for Google Cloud ▼ 1 DAY	DS CO PS SB
€	Create and Manage Cloud Resource	SB
\odot	Perform Foundational Infrastructure Tasks in Google Cloud	SB
★	Set Up and Configure a Cloud Environment in Google Cloud	SB
\odot	Automating Infrastructure on Google Cloud with Terraform	SB
6	Associate Cloud Engineer Exam Guide	(-)
Ō	Associate Cloud Engineer Sample Questions	(3)
Cong patrice	Associate Cloud Engineer	(5)

Infrastructure Modernization

Cloud Architect, Cloud Engineer

Overview

A Cloud Architect designs, develops, and manages robust, secure, scalable, and dynamic solutions.

What will you learn

- Google Compute Engine, Cloud Logging, Cloud Monitoring;
- Deployment Manager, and more.

* Available as a standalone course and part of specific specializations

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 Ds Data Sheet
 Virtual and in-person Classroom
 Skill badge
 Self-paced Labs
 Resource
 Ds Data Sheet
 Co Coursera
 Ps Pluralsight
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Preparing for your Professional Cloud Architect Journey | **▼** 1 DAY Google Cloud Fundamentals: Core Infrastructure | x 1 DAY Architecting with Google Compute Engine | x 3 DAYS Google Cloud Fundamentals: Core Infrastructure * Essential Google Cloud Infrastructure: Foundation Essential Google Cloud Infrastructure: Core Services Elastic Google Cloud Infrastructure: Scaling and Automation Getting Started with Google Kubernetes Engine | x 1 DAY Logging, Monitoring, and Observability in Google Cloud | **▼** 3 DAYS Reliable Google Cloud Infrastructure: Design and Process | x 2 DAYS Create and Manage Cloud Resources Perform Foundational Infrastructure Tasks in Google Cloud Set Up and Configure a Cloud Environment in Google Cloud Automating Infrastructure on Google Cloud with Terraform Deploy and Manage Cloud Environments with Google Cloud Optimize Costs for Google Kubernetes Engine Professional Cloud Architect Exam Guide and Sample Questions Professional Cloud Architect

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Hybrid and Multi-Cloud

Cloud Architect, **DevOps Engineer**

Overview

Hybrid and Multi-Cloud Architects manage applications across multiple clouds, or between on-premises and cloud environments.

- Containers, Google Kubernetes Engine (GKE), Google Cloud IAM, Anthos;
- Docker, Cloud SDK, and more.
- * Available as a standalone course and part of specific specializations
- On-demand DS Data Sheet ▼ Virtual and in-person Classroom co Coursera Skill badge PS Pluralsight SB Skills Boost Self-paced Labs Resource Public Classroom Schedule

Google Cloud Fundamentals: Core Infrastructure * X 1	DAY
Architecting with Google Kubernetes Engine x 3 DAYS	
Google Cloud Fundamentals: Core Infrastructure *	
Architecting with Google Kubernetes Engine: Foundations	3
Architecting with Google Kubernetes Engine: Workloads	
Architecting with Google Kubernetes Engine: Production	
Architecting Hybrid Cloud Infrastructure with Anthos	4 DAYS
Hybrid Cloud Infrastructure Foundations with Anthos	
Hybrid Cloud Service Mesh with Anthos	
Hybrid Cloud Multi-Cluster with Anthos	
Cloud Operations and Service Mesh with Anthos X 1 DA	ιΥ
Hybrid Cloud Multi-Cluster with Anthos ▼ 1 DAY	
Hybrid Cloud Service Mesh with Anthos ▼ 1 DAY	
Anthos on Bare Metal ▼ 1 DAY	
Create and Manage Cloud Resources	
Deploy to Kubernetes in Google Cloud	
Create and Manage Cloud Resources Deploy to Kubernetes in Google Cloud Secure Workloads in Google Kubernetes Engine	
Optimize Costs for Google Kubernetes Engine	

Networking and Security

Network Engineer, **Network Operations**

Overview

A Network Engineer configures, maintains, and troubleshoots network components of their cloud-based infrastructure.

What will you learn

- Cloud CDN, Cloud DNS, Cloud IAM, Networking, Cloud Armor, Cloud Shell;
- Cloud Interconnect, and more.

* Available as a standalone course and part of specific specializations

On-demand

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Self-paced Labs

Resource Public Classroom Schedule



Networking and Security

Security Engineer, Security Operations

Overview

A Security Engineer develops, implements, and monitors their organization's security infrastructure to protect sensitive information.

What will you learn

- Google Kubernetes Engine, Cloud Shell, virtual machines, Stackdriver;
- Cloud Functions, IAM, and more.

 $\ensuremath{\bigstar}$ Available as a standalone course and part of specific specializations

On-demand
DS Data Sheet

Virtual and in-person Classroom
CO Coursera

Skill badge
PS Pluralsight

Self-paced Labs

Resource

Public Classroom Schedule

	Preparing for Your Professional Cloud Security Engineer Journey X 1 DAY	DS CO PS SB
	Google Cloud Fundamentals: Core Infrastructure ★ ▼ 1 DAY	DS CO PS SB
	Networking in Google Cloud X 2 DAYS	DS CO PS SB
	Google Cloud Fundamentals: Core Infrastructure *	CO PS SB
	Networking in Google Cloud: Defining and Implementing Networks	CO PS SB
	Networking in Google Cloud: Hybrid Connectivity and Network Management	CO PS SB
	Security in Google Cloud X 3 DAYS	DS CO PS SB
1	Google Cloud Fundamentals: Core Infrastructure *	CO PS SB
-	Managing Security in Google Cloud	CO PS SB
1	Security Best Practices in Google Cloud	CO PS SB
-	Mitigating Security Vulnerabilities on Google Cloud Platform	CO PS SB
	Logging, Monitoring, and Observability in Google Cloud x 3 DAYS	DS CO PS SB
②	Build and Secure Networks in Google Cloud	<u>SB</u>
⊗	Ensure Access and Identity in Google Cloud	<u>SB</u>
€	Secure Workloads in Google Kubernetes Engine	SB
¢	Professional Cloud Security Engineer Exam Guide	(
¢	Professional Cloud Security Engineer Sample Questions	e
A Shares & Shares	Professional Cloud Security Engineer	e

Application Modernization

Cloud Developer

Overview

A Cloud Developer designs, builds, analyzes, and maintains cloud-native applications.

What will you learn

- Google Compute Engine, Cloud Logging, Cloud Monitoring;
- Google Cloud Storage, and more.

 $\ensuremath{\bigstar}$ Available as a standalone course and part of specific specializations

On-demand

- DS Data Sheet
- Virtual and in-person Classroom
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Skill badge

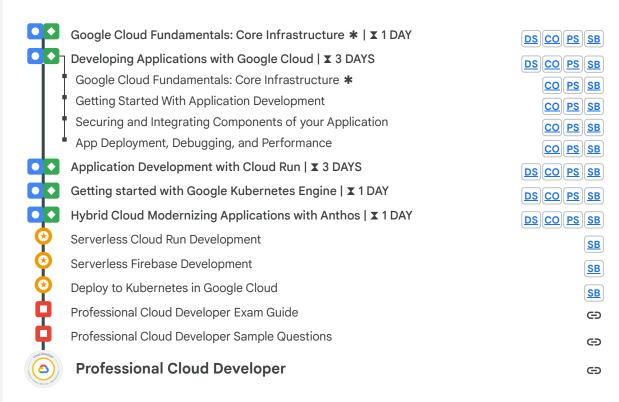
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Self-paced Labs

SB Skills Boost

Resource

Public Classroom Schedule



Application Modernization

DevOps Engineer, SRE

Overview

A DevOps Engineer is responsible for implementing best practices for efficient software delivery and infrastructure mgmt.

- Google App Engine, Site Reliability Engineering (SRE);
- Google Kubernetes Engine, and more.

On-demand		DS Data Sheet
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⊗ Skill badge		PS Pluralsight
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Application Modernization

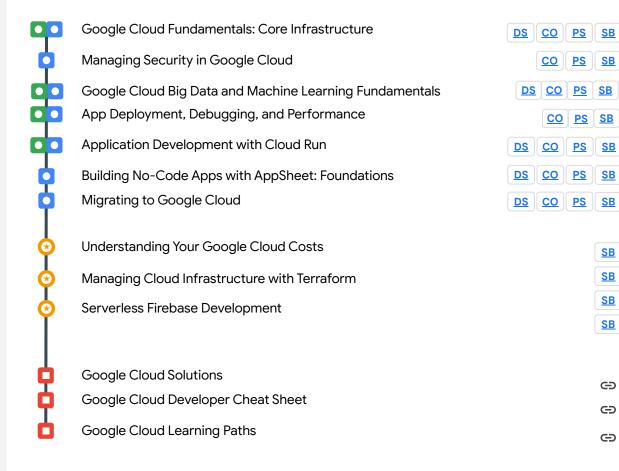
Startup Cloud Engineer

Overview

Our Startup learning path is meant to introduce Startup companies to Google Cloud, while providing them with basic concepts to understand the "art of possible".

- Google Cloud products and services,
- Digital transformation;
- Introductions to key concepts from App Development to Infrastructure, and ML/AI to low-code applications.





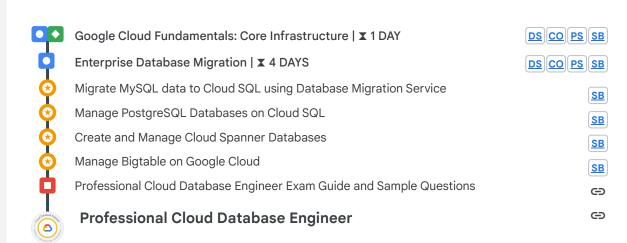
Data Management

Database Engineer

Overview

A Database Engineer designs, creates, manages, migrates, and troubleshoots databases used by applications to store and retrieve data.

- Google Cloud storage and database services
- Data migration and replication strategies
- On-demand
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 Resource
 Public Classroom Schedule



API Management

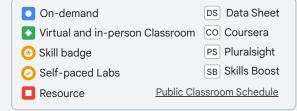
API Architect / Engineer (hybrid)

Overview

A Cloud Architect/Engineer on Apigee utilizes the Apigee API Platform to enhance their cloud architecture and enterprise solutions.

What will you learn

- Apigee API Management Platform;
- Cloud business applications;
- Google Kubernetes Engine, and more.



	Developing APIs with Google Cloud's Apigee API Platform 🗶 3	DAYS DS CO PS SB
	 API Design and Fundamentals of Google Cloud's Apigee API Plat 	form CO PS SB
	API Security on Google Cloud's Apigee API Platform	CO PS SB
	API Development on Google Cloud's Apigee API Platform	CO PS SB
0	Architecting with Google Kubernetes Engine ▼ 3 DAYS	DS CO PS SB
	Google Cloud Fundamentals: Core Infrastructure	CO PS SB
	Architecting with Google Kubernetes Engine: Foundations	CO PS SB
	Architecting with Google Kubernetes Engine: Workloads	CO PS SB
	Architecting with Google Kubernetes Engine: Production	CO PS SB
	Architecting Hybrid Cloud Infrastructure with Anthos 🗴 4 DAYS	DS CO PS
	Hybrid Cloud Infrastructure Foundations with Anthos	CO PS SB
	Hybrid Cloud Service Mesh with Anthos	CO PS SB
	Hybrid Cloud Multi-Cluster with Anthos	CO PS SB
◘	Managing Google Cloud's Apigee API Platform for Hybrid Cloud	S I X 3 DAYS DS CO PS SB
	Architecting and Installing the Apigee Hybrid API Platform	CO PS SB
	Managing and Securing the Apigee Hybrid API Platform	CO PS SB
	Upgrading and Monitoring the Apigee Hybrid API Platform	CO PS SB
Q	Anthos Service Mesh	SB
6	Develop and Secure APIs with Apigee X	SB
6	Deploy and Manage Apigee X	SB

LINKS

API Management

API Architect / Engineer (private cloud)

Overview

A Cloud Architect/Engineer on Apigee utilizes the Apigee API Platform to enhance their cloud architecture and enterprise solutions.

- Apigee API Management Platform;
- Cloud business applications;
- Google Kubernetes Engine, and more.

On-demand	DS Data Sheet
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😥 Skill badge	PS Pluralsight
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•	•	Developing APIs with Google Cloud's Apigee API Platform ▼ 3 DAYS	DS CO PS SB
	•	API Design and Fundamentals of Google Cloud's Apigee API Platform	CO PS SB
	•	API Security on Google Cloud's Apigee API Platform	CO PS SB
	•	API Development on Google Cloud's Apigee API Platform	CO PS SB
•	•	Installing and Managing Google Cloud's Apigee API Platform for Private Cloud \mathbf{X} 3 DAYS	DS CO PS SB
	•	On Premise Installation and Fundamentals with Google Cloud's Apigee API Platform	CO PS SB
	•	On Premises Management, Security, and Upgrade with Google Cloud's Apigee API Platform	CO PS SB
		On Premises Capacity Upgrade and Monitoring with Google Cloud's Apigee API Platform	CO PS SB
E		Develop and Secure APIs with Apigee X	SB
E		Deploy and Manage Apigee X	SB

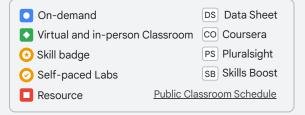
API Management

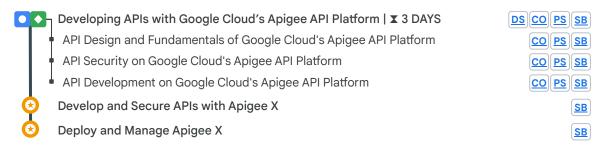
API Developer

Overview

An API Developer designs and develops secure and efficient application programming interfaces on the Google Cloud Platform.

- Apigee API Management Platform;
- Cloud business applications;
- Google Kubernetes Engine, and more.





ML and Artificial Intelligence

ML Engineer, Data Scientist

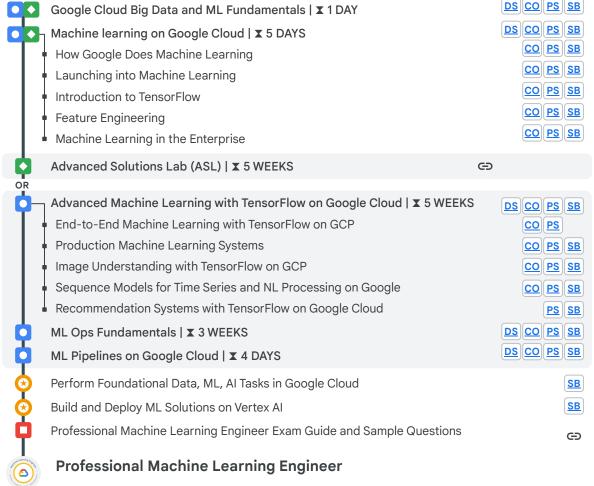
Overview

A Machine Learning Engineer designs, builds, productionizes, optimizes, operates, and maintains ML systems.

What will you learn

- TensorFlow, AI Platform Notebooks, Cloud Dataflow, Cloud DataFusion, AI Platform;
- BigQuery, BigQuery ML, and more.





Google Cloud

ML and Artificial Intelligence

Contact Center Engineer

Overview

A Contact center engineer designs, develops, and deploys customer conversational solutions using Contact Center Artificial Intelligence.

- Contact Center Artificial Intelligence (CCAI),
 Natural Language Understanding (NLU);
- Dialogflow, and more.





Data Analytics

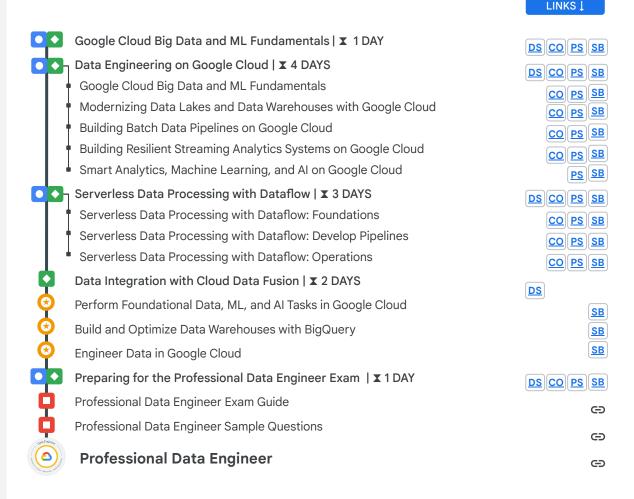
Data Engineer

Overview

A Data Engineer designs and builds systems that collect and transform the data used to inform business decisions.

- BigQuery, Dataflow, Cloud Data Fusion, Cloud Composer, Pub/Sub, batch and stream processing;
- Dataproc, workload migration, and more.





Data Analytics

Data Analyst, BI Analyst

Overview

A Data Analyst gathers and analyzes data to identify trends and develops valuable insights to help solve problems.

What will you learn

- BigQuery, SQL, Data Visualization, BigQuery ML, Looker, AI Platform;
- Cloud Data Fusion, Data Catalog, Cloud Dataprep, and more.





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Productivity and Collaboration

Workspace End User

Overview

A Workspace End User possesses the digital skills to work collaboratively and productively in a professional environment.

What will you learn

- Google Docs, Google Sheets, Google Slides, Google Calendar, Google Drive;
- Google Meet and Google Chat, and more.

On-demand
DS Data Sheet

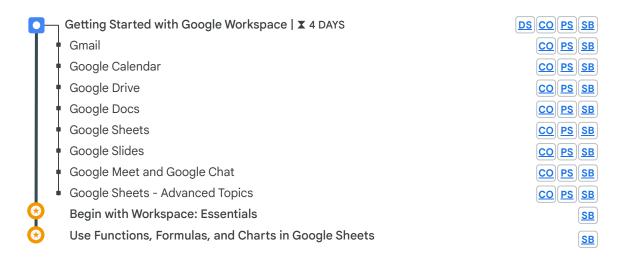
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Productivity and Collaboration

Workspace Administrator

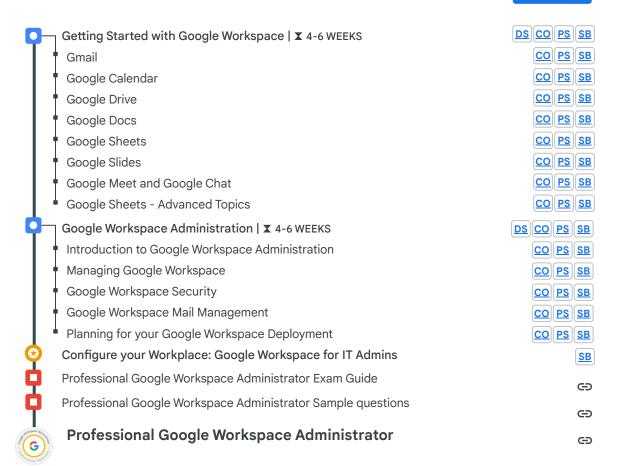
Overview

A Collaboration Engineer uses Workspace tools for managing applications and users, mail, and migrations.

What will you learn

- Google Cloud products and service, digital transformation;
- IT modernization, and more.





LINKS

Productivity and Collaboration

Citizen Developer

Overview

This learning path guides you through the fundamentals of becoming a successful mobile and desktop application creator.

What will you learn

AppSheet



Building No-Code Apps with AppSheet: Foundations | **x** 6 HOURS

Building No-Code Apps with AppSheet: Implementation | **x** 12 HOURS

Building No-Code Apps with AppSheet: Automation | **x** 6 HOURS

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Building No-Code Apps with AppSheet: Challenge Lab

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Cloud Business Leadership

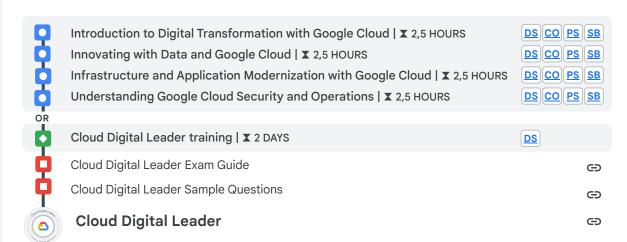
Cloud Digital Leader

Overview

A Cloud Digital Leader can articulate the capabilities of core cloud products/services and understand how they benefit organizations

- Google Cloud products and services, digital transformation:
- IT modernization, and more.





Cloud Business Leadership

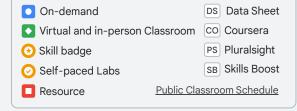
Cloud Digital Leader add-ons

Overview

A Cloud Digital Leader can articulate the capabilities of core cloud products/services and understand how they benefit organizations

What will you learn

- Google Cloud products and service, digital transformation;
- IT modernization, and more.



OR

LINKS ML & Data Business Transformation with Google Cloud | **▼** 8 HOURS DS CO PS SB Analyzing and Visualizing Data in Looker | X 1 DAY DS CO PS SB Managing Machine Learning projects with Google Cloud | ▼ 2 DAYS DS CO PS SB Modernization DS CO PS SB Managing Change when Moving to Google Cloud | x 1 HOUR OR • Leading Change when moving to Google Cloud | X 1 DAY DS Developing a Google SRE culture | **▼** 4 HOURS DS CO PS SB **Finance** Understanding Google Cloud Costs | **▼** 5 HOURS CO PS SB Optimizing Google Cloud Costs | **▼** 7 HOURS CO PS SB **Business Analysis** Business Transformation with Google Cloud | x 8 HOURS DS CO PS SB

DS

Data-Driven Transformation with Google Cloud | X 1 DAY



Thank You

