



Google Cloud Fundamentals: Core Infrastructure

Overview

Google Cloud Fundamentals: Core Infrastructure introduces important concepts and terminology for working with Google Cloud. Through videos and hands-on labs, this course presents and compares many of Google Cloud's computing and storage services, along with important resource and policy management tools.

When you complete this course, you can earn the badge displayed here! View all the badges you have earned by visiting your profile page. Boost your cloud career by showing the world the skills you have developed!

Objectives

- Identify the purpose and value of Google Cloud products and services
- Define how infrastructure is organized and controlled in Google Cloud
- Explain how to create a basic infrastructure in Google Cloud
- Select and use Google Cloud storage options

Prerequisites

- None

Course Duration

- 1 Day – 8 Hours

Career Role

- All Technical Professionals

Creating Tailor - Made Training Programs to Meet Your **Specific Goals**

Discovery Process

Join us on a discovery journey to uncover your organization's unique needs. Through insightful conversations and meticulous analysis, we'll identify your training requirements.

01



Training Framework Development

We'll craft a custom roadmap to boost your team's skills, integrating advanced instructional design for engaging, comprehensive training.

02



Program Delivery

We'll bring your training vision to life with precision and care. Our seasoned trainers will expertly guide transformative learning experiences, fostering engagement and skill acquisition at every step.

03



Outcome Assessment

We'll continuously evaluate training effectiveness through robust methodologies, gathering and analyzing participant feedback for invaluable insights and improvement opportunities.

04



Cost-Benefit Analysis

We'll quantify the tangible and intangible benefits of your training investment, showcasing improved performance metrics and heightened employee satisfaction, proving the substantial returns from our partnership.

05



Course Outline

The "Google Cloud Fundamentals: Core Infrastructure" course provides a comprehensive introduction to the core capabilities of Google Cloud Platform (GCP). This course is designed for IT professionals, system administrators, and anyone interested in learning the basics of Google Cloud. Participants will gain a solid foundation in GCP, including its core infrastructure services, and how to leverage them for building, deploying, and managing applications.

Module 1: Introducing Google Cloud

- Lesson: Cloud computing overview
- Lesson: IaaS and PaaS
- Lesson: The Google Cloud network
- Lesson: Environmental impact
- Lesson: Security
- Lesson: Opensource ecosystems
- Lesson: Pricing and billing

Module 2: Resources and Access in the Cloud

- Lesson: Google Cloud resource hierarchy
- Lesson: Identity and Access Management (IAM)
- Lesson: Service accounts
- Lesson: Cloud Identity
- Lesson: Interacting with Google Cloud
- **Lab:** Google Cloud Fundamentals: Getting Started with Cloud Marketplace

Module 3: Virtual Machines and Networks in the Cloud

- Lesson: Virtual Private Cloud networking
- Lesson: Compute Engine
- Lesson: Scaling virtual machines
- Lesson: Important VPC compatibilities
- Lesson: Cloud Load Balancing
- Lesson: Cloud DNS and Cloud CDN
- Lesson: Connecting networks to Google VPC
- **Lab:** Getting Started with VPC Networking and Google Compute Engine

Module 4: Storage in the Cloud

- Lesson: Google Cloud storage options
- Lesson: Cloud Storage
- Lesson: Cloud Storage: Storage classes and data transfer
- Lesson: Cloud SQL
- Lesson: Spanner
- Lesson: Firestore
- Lesson: Bigtable
- Lesson: Comparing storage options
- **Lab:** Getting Started with Cloud Storage and Cloud SQL

Module 5: Containers in the Cloud

- Lesson: Introduction to containers
- Lesson: Kubernetes
- Lesson: Google Kubernetes Engine

Module 6: Applications in the Cloud

- Lesson: Cloud Run
- Lesson: Development in the Cloud
- **Lab:** Hello Cloud Run

Module 7: Prompt Engineering

- Lesson: Prompt engineering

Indus Tech Services

Who We Are....

Indus Tech Services is an IT company that specializes in providing comprehensive training, consulting & implementation services for software solutions designed to address the diverse business challenges faced by organizations today. With a passion for technology and a deep understanding of business processes, Indus Tech is committed to empowering businesses to optimize their operations, boost productivity, and drive sustainable growth.

Indus Tech Services and Google Cloud Partnership

At **Indus Tech Services**, our partnership with **Google Cloud (GCP)** provides unparalleled consulting and training services to help you harness the full potential of cloud technology. Our collaboration aims to deliver the following benefits to your organization.

- **Customized Training and Workshops:** We offer tailored training programs and workshops designed to empower your IT team and end users. Our expert-led sessions ensure your team gains the skills and knowledge needed to maximize the benefits of Google Cloud solutions.
- **Expert Consulting Services:** Our team of certified Google Cloud professionals provides strategic consulting to align your cloud initiatives with your business goals. From cloud strategy development to architectural design, we offer expert guidance to help you navigate the complexities of cloud adoption and optimization.
- **Seamless Implementation and Integration:** We specialize in the seamless implementation and integration of Google Cloud services into your existing infrastructure. Our proven methodologies and best practices ensure a smooth transition to the cloud, minimizing disruption and maximizing efficiency.

Why Choose Us...

From time to time, life serves up a profound nudge, urging us to step beyond our routines and make a difference in the world. Indus Tech Services emerged from one such compelling wake-up call. We are not just a company; we are a dedicated force with a belief in providing solutions to organizations, regardless of their size, and we infuse a human touch into everything we do.

Our Expertise

With over 25 years of collective experience navigating the intricacies of daily business transactions, irrespective of geographical, cultural, time zone, or language barriers, our team has honed their expertise to meet any challenge head-on. This wealth of experience has armed our resources with an unparalleled understanding and skill set to tackle a broad spectrum of obstacles.

Training

With two decades of unwavering commitment and a global footprint, our company is a true pioneer in the fields of linguistic, transactional, technical, and behavioural training for some of the world's largest corporate entities. Our unparalleled expertise has been refined through years of dedication and innovation, making us the go-to choice for businesses seeking transformative training solutions.

Consulting

Our company has been at the forefront of providing world-class IT consulting services to organizations spanning the globe. With an extensive and proven track record, we have honed our expertise to meet the ever-evolving technological needs and challenges faced by businesses, regardless of their scale or industry.

Implementation

Our experience covers a broad spectrum of IT implementation services, including system integration, software deployment, network architecture, cloud migration, and infrastructure setup. We understand that the successful execution of IT projects is pivotal to an organization's growth and efficiency. Therefore, we bring a depth of knowledge and a commitment to delivering results that set us apart.

To know more contact us at info@industechservices.com or call us at +91 - 99961 61170.