



## **Google Cloud Platform Architect Training & Certification**

[www.cognixia.com](http://www.cognixia.com)

# About Cognixia

Cognixia- A Digital Workforce Solutions Company is dedicated to delivering exceptional trainings and certifications in digital technologies. Founded in 2014, we provide interactive, customized training courses to individuals and organizations alike, and have served more than 130,000 professionals across 45 countries worldwide.

Our team of more than 7000 industry experts facilitate more than 450 comprehensive digital technologies courses, along with state-of-the-art infrastructure, to deliver the best learning experience for everyone. Our comprehensive series of instructor-led online trainings, classroom trainings and on-demand self-paced online trainings cover a wide array of specialty areas, including all of the following:

- IoT
- Big Data
- Cloud Computing
- Cyber Security
- Machine Learning
- AI & Deep Learning
- Blockchain Technologies
- DevOps

Cognixia is ranked amongst the top five emerging technologies training companies by various prestigious bodies. We're also RedHat Enterprise Partner, Microsoft Silver Learning Partner and an authorized training partner for ITIL, Automation Anywhere and ISC2.



# OUR AWARDS & AFFILIATIONS

 **Best Workplace Amongst Emerging Enterprises** Awarded By **Great Indian Workplace Awards – 2018** Mumbai, India



 **Best Training Provider of the Year** Awarded By **The Golden Globe Tiger Awards – 2018** Kuala Lumpur, Malaysia



**World HRD Congress** has awarded for Excellence in Training (Asia) 

  **WORLD HRD CONGRESS** Cognixia is awarded as Training Company of the Year, 2018 

  **ISO 9001:2015 CERTIFIED** ISO 9001:2015 Certified Quality Management System 




  **ISO/IEC 27001:2013 CERTIFIED** ISO/IEC 27001:2013 Certified Information Security Management System 

  **AFRICA C** Best Emerging Technology Training Organization at the Middle East Training & Development Leadership Awards 2018 

 **TOP 5 CLOUD TRAINING INSTITUTIONS INDIA 2016**  **HIGHER EDUCATION REVIEW** 

 **TOP 5 Big Data TRAINING INSTITUTES 2017**  **siliconindia** 

 **TOP 10 IoT TRAINING INSTITUTES PROMISING IN INDIA 2017**  **HIGHER EDUCATION REVIEW** 

 Top 10 IoT Training Companies for the Second consecutive year.  **2017 IoT India MAGAZINE** 

 **siliconindia** BEST TRAINING PROVIDER **BIG DATA HADOOP DEVELOPER OF THE YEAR 2016** 

 Top 10 IoT Training Institutes – 2016  **Analytics India MAGAZINE** 

  **Asian Training & Leadership Award, Dubai** 

 **TOP 5 Emerging Technologies TRAINING COMPANIES**  **siliconindia** 



# AUTHORIZED TRAINING PARTNERS FOR



**Red Hat**



**AUTOMATION  
ANYWHERE**



Silver  
**Microsoft  
Partner**



# Google Cloud Platform Market Outlook

- IDC predicts that the worldwide spending on public cloud services and infrastructure would double over the next five years, with SaaS being the largest spending category.
- Google Cloud Platform holds a strong #3 position in the cloud market with an \$11 billion annual revenue run rate.
- Google Cloud Platform has been building partnerships with key enterprise players like Salesforce, Informatica, VMware, SAP, etc.
- Google matches 100% of the energy consumed by its global operations with purchases of renewable energy so every Google Cloud product has zero net carbon emissions.

## Cognixia's Google Cloud Platform Architect training

Cognixia's GCP Architect Training will help you advance your career in cloud architecture and help you prepare thoroughly to earn the official industry-recognized Google Cloud Professional Cloud Architect Certification. A Professional Cloud Architect can help organizations leverage the Google Cloud Platform and use their understanding of GCP to design, develop, and manage robust, secure, scalable, highly available, and dynamic solutions to drive business objectives. The course also incorporates hands-on projects and exercises for a thorough experiential and practical learning experience.

# Who should take this course?

This GCP training is highly recommended for experienced individuals interested in building a successful career in cloud computing, especially working with the Google Cloud Platform.

## Prerequisites

The prerequisites for this Google Cloud Platform Architect Certification are:

- Knowledge of Google Cloud Platform or any other cloud platform
- Basic knowledge of command-line tools
- Basic knowledge of Linux operating system environments
- Prior experience in managing & deploying applications, either on-premise or on a public cloud environment

## Program Structure

- 36 hours of live online instructor-led training
- Industry experienced instructor
- 24x7 dedicated PoC support
- Multiple hands-on exercises and labs to ensure a thorough understanding of concepts

# DETAILED CURRICULUM : MODULES

## Module 1: Introduction to the Google Cloud Platform

- Fundamentals of GCP
- What is cloud computing?
- How did we get here?
- Every company is a data company
- GCP computing architectures
- The Google network
- GCP regions and zones
- Environmental responsibility
- Customer-friendly pricing offered by Google
- Open APIs
- Why choose the Google Cloud Platform
- Multi-layered security approach
- Budgets and billing

## Module 2: Getting started with the Google Cloud Platform

- The Google Cloud Platform resource hierarchy
- Identity Access Management (IAM)
- IAM roles
- Interacting with the Google Cloud Platform
- The Cloud Marketplace (formerly Cloud Launcher)
- Demonstration: Getting started with Cloud Launcher

## Module 3: Virtual machines in the cloud

- Virtual Private Cloud (VPC) Network
- Compute engine
- Important VCP capabilities
- Demonstration: Getting started with the Compute Engine

## Module 4: Storage in the cloud

- Introduction to the Google Cloud Platform storage options
- Cloud storage
- Cloud storage interactions
- Google Cloud Bigtable
- Google Cloud SQL and Google Cloud Spanner
- Google Cloud Datastore
- Storage options
- Demonstration: Getting started with cloud storage and cloud SQL

## Module 5: Containers in the Cloud

- Containers, Kubernetes, and the Kubernetes engine
- Introduction to Kubernetes and GKE
- Introduction to hybrid and multi-cloud computing (Anthos)
- Lab introduction: Getting started with the Kubernetes engine
- Demonstration: Getting started with the Kubernetes engine

## Module 6: Applications in the cloud

- Introduction to the app engine
- The standard environment in the Google app engine
- The flexible environment in the Google app engine
- Google cloud endpoints and Apigee Edge
- Demonstration: Getting started with the App engine

# DETAILED CURRICULUM : MODULES

## **Module 7: Developing, deploying, and monitoring in the cloud**

- Development in the cloud
- Deployment: Infrastructure-as-code
- Monitoring: Proactive instrumentation
- Demonstration: Getting started with the Deployment Manager and Stackdriver

## **Module 8: Big Data and Machine Learning in the Cloud**

- Introduction to big data and machine learning
- Google Cloud Big Data Platform
- Cloud Dataflow
- BigQuery
- Cloud Pub/Sub and Cloud Datalab
- Google Cloud Machine Learning Platform
- Machine learning APIs
- Demonstration: Getting started with BigQuery

**Project will be on (Implement, Deploy, Migrate and Maintain Applications in the Cloud)**



# Why choose Cognixia?



LIFETIME LMS ACCESS



24 x 7 SUPPORT



REAL-LIFE PROJECTS & CASE STUDIES



INDUSTRY EXPERTS AS TRAINERS



INDUSTRY STANDARD CERTIFICATE



# POTENTIAL CAREER OPTIONS

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**Principal architects**

**Cloud architects**

**Cloud data architects**

**Cloud functions technical architects**

**Cloud solutions architects**

**Sr. database architects**

**Infrastructure designers**

**User experience designers & architects**



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