

reviewer4@nptel.iitm.ac.in > NPTEL » Google Cloud Computing Foundations Course Announcements About the Course Ask a Question Progress

Mentor

1 point

Unit 9 - Week 7 : Let Google keep an eye on things. You have the data, but what are you doing with it Course outline Assignment 7

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.

How does an NPTEL online course work? Week 0: Welcome to the Cloud Deployment Manager allows you to specify all the resources needed for your application in a declarative format using YAML. Course True

Week 1: What's the cloud False anyway? Start with a solid

platform No, the answer is incorrect. Score: 0 Feedback: Week 2: Use GCP to build

Due on 2020-04-15, 23:59 IST. 1 point

The answer is True. Cloud Deployment Manager is an Infrastructure as Code (IAC) tool, designed for the

Manager allows you to specify all the resources needed for your application in a declarative format using

automated construction, modification, and destruction of cloud infrastructures. Cloud Deployment

Cloud Deployment Manager is used to automate the building of infrastructure through the use of

Google has a team of engineers available to support third-party, open source IaC tools

Google has a team of engineers available to support third-party, open source IaC tools

Stackdriver Monitoring provides insight into how your applications are performing.

5) What is the Stackdriver service that will store, search, and analyse log files?

Stackdriver is a management suite used to provide monitoring, logging, profiling, error reporting,

When a web server goes down have it send a log entry to stackdriver to alert on the outage

Create an uptime check in Stackdriver to periodically test if the web servers are reachable

Uptime checks can be configured to periodically test the connection to servers from several remote

Create an uptime check in Stackdriver to periodically test if the web servers are reachable

To count, analyze, and aggregate crashes in running cloud services in real time

To count, analyze, and aggregate crashes in running cloud services in real time

Send latency statistics to the Stackdriver Error Reporting dashboard

Collect network latency statistics and publish to a latency dashboard.

Error Reporting counts, analyzes, and aggregates the crashes in your running cloud services in real time

With Stackdriver Trace, you can inspect detailed latency information for a single request or view aggregate

Stackdriver Debugger allows you to inspect the state of a running application in real time, without stopping

Cloud Dataproc is a managed Hadoop Cluster where customers can run their Spark, Hive, Pig, and

Cloud Storage can be used as a replacement for the HDFS. In this example, the cluster can be destroyed

Cloud Dataflow is a managed service that can process both batch and streaming data

The answer is False. Cloud Dataflow uses a Source of information, a series of PCollections that hold data, and a Sink, where the data will be stored or sent. PCollections are the input and output of every transform

14) 'Track' is one of the pipeline components for Cloud Dataflow

11) Which of the following is a managed solution to run Spark, Pig, Hive, and MapReduce in a batch environment with a managed cluster?

12) You want to make your Cloud Dataproc cluster disposable while keeping your data safe. Which of the following is the best option?

13) You are in need of a service that can process both streaming and batch data, but you don't want to manage the infrastructure. Which of the following 1 point

Stackdriver is a partner product that is easily installed through the GCP Console

debugging, and tracing services to GCP. The Stackdriver Logging service allows you to store, search, and

7) You want to automatically perform a test every 5 minutes to ensure your public web servers are up and running. Which of the following is the best

oogle has a team of engineers dedicated to ensuring that GCP support is also available for third-party,

4) Which Stackdriver service provides visibility of the uptime and overall performance of your app?

3) Which statement accurately describes Google's relationship with open source infrastructure as code (IaC) tools?

2) What statement best describes infrastructure as code (IaC)?

Replacing virtual servers with containers.

Using Java scripts to build your systems.

Using Templates to build virtual machines

Automating systems construction using templates

Open source tools are currently in beta.

Open source IaC tools cannot be used with Google

Open source tools can only be used with a valid license

Automating systems construction using templates

your apps

Stuff?

Cloud right?

(continued)

with it

Week 3: Where do I store this

Week 4: There's an API for that! You can't secure the

Week 5: It helps to Network

Week 6: It helps to Network

Week 7: Let Google keep an

eye on things. You have the

data, but what are you doing

Introduction - Let Google keep

Cloud Deployment Manager

Services, Apps, and Infra

Stackdriver [With Lab]

an eye on things

an eye on things

with it?

Labs]

with it?

Monitoring and Managing Your

Recap Quiz - Let Google keep

Summary - Let Google keep

Introduction - You have the

 Intro to Big Data Managed Services in the Cloud

Build ETL Pipelines using

Data Warehouse

Cloud Dataflow [With Labs]

BigQuery Googles Enterprise

Recap Quiz - You have the

data, but what are you doing

Summary - You have the data,

Quiz : Assignment 7

Feedback Form

Download Videos

Google Cloud Computing

Let machines do the work

Foundations Course: Week 7

but what are you doing with it?

data, but what are you doing

 Leverage Big Data Operations with Cloud Dataproc [With

an eye on things

Introduction to IaC

YAML

True

Score: 0

Score: 0

Score: 0 Feedback:

Score: 0 Feedback:

analyse log files

True

False

Score: 0 Feedback:

False

option?

Score: 0 Feedback:

locations

Score: 0

Score: 0 Feedback:

Score: 0 Feedback:

Accepted Answers:

Accepted Answers: Stackdriver Logging

Feedback:

Feedback:

Accepted Answers:

No, the answer is incorrect.

No, the answer is incorrect.

Stackdriver Debugger

Stackdriver Logging

Stackdriver Monitoring

No, the answer is incorrect.

Stackdriver Debugger

Stackdriver Monitoring

Stackdriver Logging

Stackdriver Trace

No, the answer is incorrect.

or slowing the application down.

Accepted Answers:

Cloud Dataflow

Cloud Dataprep

Cloud Dataproc

No, the answer is incorrect.

MapReduce environments

Leverage persistent disks.

No, the answer is incorrect.

Have the cluster stream data to filestore

Keep the cluster and continue to use HDFS.

Replace your HDFS filesystem with Cloud Storage

Replace your HDFS filesystem with Cloud Storage

Accepted Answers: Cloud Dataproc

Cloud Runner

Score: 0 Feedback:

Score: 0 Feedback:

without losing data

Accepted Answers:

is the best solution?

BigQuery

Score: 0 Feedback:

○ True

False

Score: 0 Feedback:

operation

C++

Java

PHP

Python

No. the answer is incorrect.

To help get started coding.

No, the answer is incorrect.

Accepted Answers:

BigQuery

Cloud SQL

Accepted Answers:

Score: 0 Feedback:

BigQuery

Score: 0 Feedback:

Cloud Bigtable

Cloud Datastore

No, the answer is incorrect.

No, the answer is incorrect.

BigQuery is a NoOps managed service

Accepted Answers:

Cloud Dataflow

Cloud Dataprep

Cloud Dataproc

Cloud Firestore

and streaming data

Accepted Answers: Cloud Dataflow

Score: 0

True

False

Score: 0

True

No, the answer is incorrect.

No, the answer is incorrect.

Accepted Answers:

the BigQuery command line (bq)via the SDK

or manage storage to make use of BigQuery.

BigQuery is a NoOps managed service

BigQuery is a drop-in replacement for Oracle

Before using BigQuery, you have to build a cluster

BigQuery is a SQL database and requires tight schema

To make it easier to use Spark

Accepted Answers:

Ruby

Score: 0 Feedback:

Java Python

Score: 0 Feedback:

False

Accepted Answers:

Cloud Dataflow

Cloud Dataprep

Cloud Dataproc

Accepted Answers: Cloud Dataflow

No, the answer is incorrect.

No, the answer is incorrect.

15) What code can Cloud Dataflow be written in?

Cloud Dataflow code can be written in Go, Java, and Python.

To build pipelines using Cloud Deployment Manager

To rapidly deploy data pipelines without programming expertise

data pipelines without requiring any Apache Beam programming expertise

To rapidly deploy data pipelines without programming expertise

Select the service that is a managed data warehouse in GCP

18) Which of the following statements regarding BigQuery is accurate?

BigQuery is a fully managed service. No operations on your part are required.

19) What service leverages the Apache Beam SDK to perform ETL operations?

Cloud Dataflow leverages the Apache Beam SDK to build pipelines to perform ETL operations on batch

20) Data can be loaded into BigQuery using the BigQuery Web UI, the BigQuery API, or the BQ command line.

The answer is True. BigQuery is a fully managed data warehouse and analytics engine. The user will never have to build servers or manage storage to make use of BigQuery. Loading data into the data warehouse

can be easily completed by using the GCP Console, The BigQuery REST based APIs, or through the use of

16) Google provides quick start templates for Cloud Dataflow. Why would you use them?

Google provides quick start templates for Cloud Dataflow to allow you to rapidly deploy a number of useful

BigQuery is a fully managed data warehouse and analytics engine. The user will never have to build servers

Accepted Answers:

latency for your entire application.

Find performance bottlenecks in production.

Write code tools to interrogate issues.

Investigate the behavior of code in production

10) What is the purpose of Stackdriver Debugger?

Investigate the behavior of code in production

Report on bugs and send notifications to users

Slow down an application and step through the code

Accepted Answers:

Accepted Answers:

The answer is False. Stackdriver is a Google solution

Open Cloud Shell and periodically ping the servers

Write a script and use cron to schedule when it runs

8) What is the purpose of Stackdriver Error Reporting?

To inject errors into an application for testing

9) What is the purpose of Stackdriver Trace?

Find performance bottlenecks in production.

Inject errors in an application so the error can be traced

To send notifications when an Instance crashes

To report on storage issues with persistent disks

Stackdriver Trace

Accepted Answers: Stackdriver Monitoring

open source IaC tools.

Accepted Answers:

declarative templates

Accepted Answers: