TECHPledge®
Connect Consult Content

Advance Youur Career with Cloud Master Ninja Bootcamp

- WINDOWS & LINUX
- ESXI & HYPER-V
- AZURE CLOUD
- AWS CLOUD
- GOOGLE CLOUD
- CLOUD DEVOPS

NEW 2021 PROJECT BASED TRAINING

CLOUD MASTER BOOTCAMP

FOR

ADVANCE CAREER

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TechPledge H20 Cloud Master Career Track

6 MONTHS ONLINE BOOTCAMP

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Program Highlight

- 300 + Hours of Training
- 6 Months Duration
- 9 Projects
- 19+ Assignment
- 6 Hours of CIE

PROGRAM INTRODUCTION

H20 Cloud Master Bootcamp Career Track

Career Path and Growth

Gartner Predicts by the Year 2022, the worldwide public cloud services market will grow by $331.2 billion, which would make the cloud services industry three times bigger than the overall traditional IT landscape.

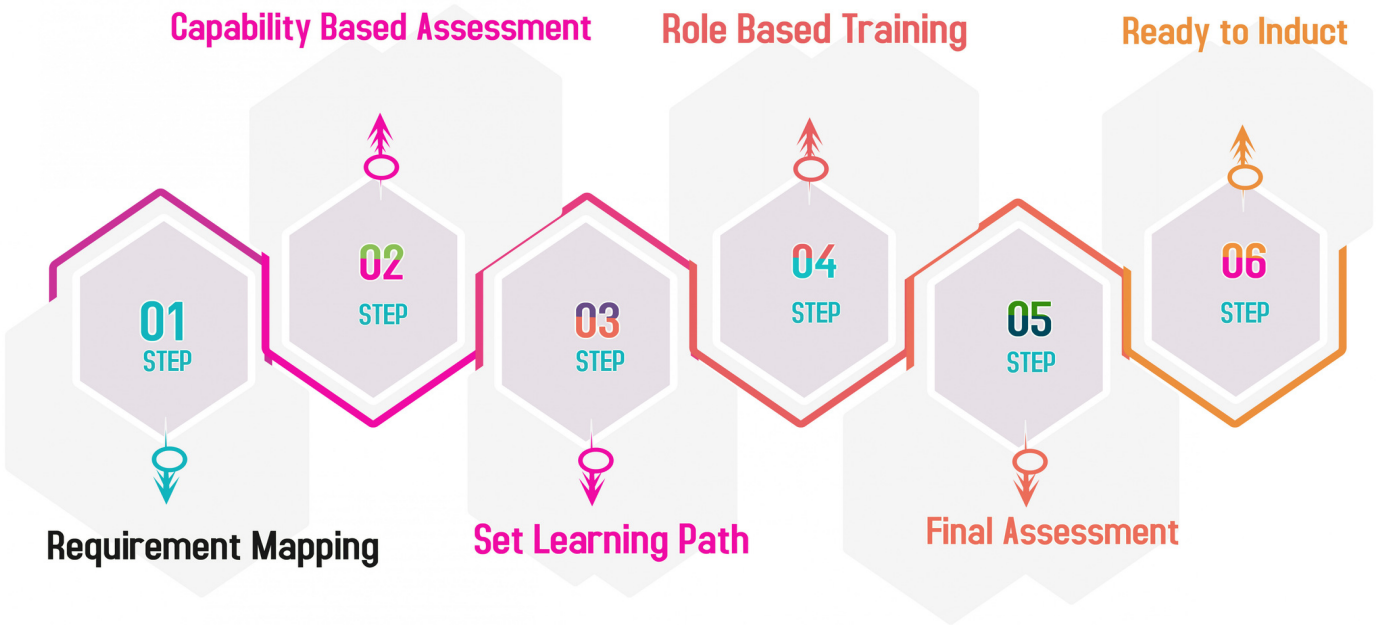
The Typical Job Requirements combine Maintaining Network, App and Databases, Estimating Cost and Automation to continuously deliver valuable products and services that meet end-user needs and business objectives. TechPledge H20 Cloud Master Bootcamp offers a rigorous and potentially beneficial way to advance in the IT world of the Cloud. This Bootcamp is designed to provide more in-depth and advanced knowledge.

The H20 Bootcamp

H20 Cloud Master Courses include training in Windows Server 2019, Linux Server , Vmware and Hyper-V Virtualization , Azure , AWS abnd Google Cloud , IAC , CI.CD, Docker , Kubernetes , Ansible , Terraform and other related monitoring tool with a focus on real-world application. Students will walk away with a portfolio of 9 projects to show to potential employers as well as a capstone project.

The H20 course also includes 3 Mock Interviews and Resume Preparation which spans the last 1 week of the course. The participant will have access to an extensive network of professionals across the industry and post-course career support with TechPledge Tech Community Forum.

TechPledge H20 Bootcamp Path



PROGRAM ELIGIBILITY AND OUTCOME

CLOUD MASTER H20 CAREER TRACK

Who Should Opt for This Program?

- Working professionals looking to acquire Cloud skills to boost their professional career.
- Early age career starters who looking to develop Datacenter & Cloud with Automation skills for their professional growth.
- Technology Executive and project managers who are responsible to drive Cloud Migration and Greefield Cloud Project within time and budget.
- A Support Enginner/Middleware Engineer looking to transition into Datacenter & Cloud with Automation Career.

What Will You Achieve with This Program?

- Maximize your marketability by pursuing tech skills in demand to boost your professional career.
- Acquire Datacenter & Cloud with Automation skills for your professional growth.
- Execute Cloud Migration and Greefield Cloud Projectproject at your workplace with more confidence and drive better results within time and budget.
- Reboot your career with new skills set you will learnings bootcamp like basic Datacenter & Cloud with Automation skills.

PROGRAM OUTLINE

IT Fundamental - Network

Networking Fundamental
* IT Fundamentals
* The OSI Model
* Network Protocols and Standards.
* Network Types and Tpologies.
* Brief of TCP/IP, DNS, and ports
* Types of Network Devices
* Understanding Network Intrusion

Setting Up and Configuring a PC
* Install Windows 10 or Linux WKS
* Configuring Network and Internet
* Install and Configure Application
* Implement Basic OS security
* Tune for High Performance
* Basic Computer Troubleshooting
* Assignment
* Module Test

Windows Server Administration

Windows Server 2019 Administration
* Windows Server 2019 Overview
* Installing & Configure WS 2019
* Windows Admin Center
* Windows Security (NTFS, ACL, DACL)
* Design and Implement DHCP
* Design and Implement DNS
* Design and Implement Web Server
* Implement Certificate Services
* Install and Manage File & Print Server
* Update Management with WSUS
* Monitoring Windows Server 2019

Active Directory 2019
* Overview of AD DS
* Installing a Domain Controller
* User,Group,Computer Accounts
* Distributed AD DS Environment
* Design and Implement AD DS Trusts
* Configure and Manage AD Replication
* Design and Implement Group Policy
* ADDS Backup and Restore
* Powershell for ADDS Managment
* Assignment
* Module Test

Deplopyment Plateform - Linux and Shell Script

Linux Plateform
* Introduction to the Linux
* Different flavors of Unix/Linux
* Basic Linux Command
* Identity Management in Linux
* Linux Host Based Firewall
* Linux Partition & Filesystem
* File System and Linux File Security
* Install Apache Web serve
* Install NGNIX and Tomcat
* Linux Monitoring and Management

Linux Bash Script for Automation
* Introduction tom Bash Shell script
* Create a sample shell script
* Shell script Input and output
* Shell script variable
* Shell Script Basic Operator
* Shell script If-else statement
* Control Structures: Loop
* User Defined Functions:
* Assignment
* Module Test

Software Defined Datacenter (SDDC)

SDDC with vMware
* Introduction To Virtualization
* Intrduction to SDDC
* Install and Configure ESXi 7 Hypervisor
* Manage ESXi 7 With vSphere Web Client
* Creating & Managing Virtual Machines
* vCenter 7 Installation & Management
* VM Cloning , Snapshopt and Backup
* Virtual Machine Template
* User Permissions And Privilege
* Standard and Distributed Switches
* VMware Storage Technologies
* Assignment

SDDC with Hyper-V
* Install and configure Hyper-V
* Configure Hyper-V storage
* Configure Hyper-V networking
* Creating Virtual Machine
* VM Cloning , Snapshopt and Backup
* Virtual Machine Template
* VM Security
* Introduction to System center Suite
* Assignment
* Module Test

Introduction to Cloud and Service Provider

Introduction to Cloud Computing
- Overview of Cloud Computing
- Benefits and limitations
- Security concerns
- Regulatory Compliance
- Business and IT perspective
- Cloud and virtualization
- Cloud computing characteristics

Public Cloud Services
- Cloud computing services
- Microsoft Azure Cloud
- Amazon AWS Cloud
- Open stack
- Google Cloud Plateform
- Alibaba Cloud
- Assignment
- Module Test

Administration and Architect the Azure Cloud

Microsoft Azure Administration
- Overview of Microsoft Azure
- Azure Resource Manager
- Virtual Machine Models and Components
- Provision , Update and Manage VM
- High Avalability - Scale set , AV Set
- Provision , Update and Scale App
- Configure CI/CD with Git and Slots
- Configure and Manage Azure Storage
- Provision , Update and Scale Azure SQL
- Configure and Manage CosmoDB
- Manage Azure Resoureses with Powershell
- RBAC, PIM/PAM with Azure AD
- Azure Content Delivery Network
- Manage Azure Hyrbrid Scenario
- Monitoring and Troubleshooting

Microsoft Azure Architecture
- Azure Management Architecture
- Azure Data Architecture
- Azure Network Architecture
- Azure HA Architecture
- Azure Messaging Architecture
- Building Azure IaaS Based Solutions
- Authoring Serverless Applications in Azure
- Design Azure Solutions with Storage
- Design Networking on Azure
- Design Security for Azure Solution
- Disaster Recovery Planning
- Migrating Workloads on Azure
- Assessment, Proposal and Costing
- Assignment
- Module Test

Administration and Architect the AWS Cloud

Amazon AWS Administration
- Introduction to AWS
- Provision and Administer EC2
- EC2 Auto Scaling and Load Balancing
- Managing AMI , Snapshot and Backup
- Provision and Manage AWS Storage
- Configure and Manage AWS VPC
- Provision , Update and Scale RDS
- Provision & Update Elastic Bean Stalk
- Manage Serverless Services
- Configure and Manage Cloud Front
- Configure and Manage IAM
- Configure CloudWatch for Monitoring
- Daily Administration Task

AWS Solutions Architect
- AWS Management Architecture
- AWS Data Architecture
- AWS Network Architecture
- AWS HA Architecture
- Building AWS IaaS Based Solutions
- Backing AWS Solutions with AWS Storage
- Design VPC on AWS
- Design Security for AWS Solution
- Disaster Recovery Planning
- Migrating Workloads on AWS
- Assessment, Proposal and Costing
- Assignment
- Module Test

Administration and Architect the Google Cloud

Google GCP Administration
- Google Cloud Plateform Overview
- Creating projects and Enabling APIs
- High Avalability and Load Balancing
- Provision the Compute Instance
- Manage and Update Compute Resources
- Deploying and implementing App Engine
- Provision and Manage GCP Storage
- Provision and Manage Cloud SQL
- Configure vNet on Google
- Configure and Manage IAM
- Monitoring with Stackdriver workspaces

GCP Solutions Architect
- GCP Management Architecture
- GCP Data Architecture
- GCP Network Architecture
- Design vNet and Security on Google
- Disaster Recovery Planning
- Migrating Workloads on AWS
- Assessment, Proposal and Costing
- Assignment
- Module Test

Manage Resources on Cloud with IAC

Cloud Native IAC Tool

- Understand Json and YAML
- ARM Template Design and Structure
- Manage Azure Resources with ARM
- Overview of AWS CF
- Manage AWS with Cloud Formation
- GCP Cloud Deployment Manager
- Manage GCP with CDM

Infrastructure-as-code (IaC)

- Introduction to Terraform
- Install Terraform
- TF Script Basic Syntax
- Terraform Plan, show, Apply, Destroy
- Introduction to Ansible
- Ansible YAML Script Basic
- Ansible Module and Playbook
- Assignment
- Module Test

Cloud Native Technology - Containerization

Containerization with Docker

- Introduction to Docker
- Components of Docker Ecosystem
- Perform Basic Docker Operations
- Committing changes in a Container
- Maintain the Container Lifecycle
- Pushing a Container Image to Registry
- Docker File and Docker Compose
- Monitoring, Inspecting and Fixing
- Manage Container with Azure ACI
- Manage Container AWS ECS
- Assignment
- Module Test

Kubernetes for Container

- Kubernetes Core Concepts
- Setting up a Kubernetes Cluster
- Kubectl Common Commands
- Services and Controllers
- Configure and Manage Azure AKS
- Configure and Manage AWS EKS
- Implement Google Kubernetes Engine
- Assignment
- Module Test

Cloud Based DevOps Practice

Cloud Based DevOps Tool

- Introduction to DevOps
- Cloud Based DevOps Vs On-Prem Tool
- GitHub and GitLab Introduction
- Git Repo Vs Cloud Based Registry
- Configure Azure Build Pipeline
- Configure Azure Release Pipeline
- Configure AWS Code Build Pipeline
- Configure AWS Code Deploy
- Assignment
- Module Test

DevOps Monitoring Tool

- What is Continous Monitoring?
- Overview of Nagios
- Install Nagios on Cloud VM
- Nagios Configuration
- Monitor Remote Server with Nagios
- Monitoring URL , HTTPS status, Contentt
- Assignment
- Module Test

Industrial Project and Interview Preparation

Live Industrial Project

- Cloud Migration Project
- CI/CD Pipeline Project
- Cloud Secure Network Project
- Cloud New Infra Deployment Project
- Cloud Identity Management Project
- Cloud Database Managment Proiect

Interview Preparation

- Resume Preparation Service
- Linkdin Profile Preparation
- 3 Mock Interview
- Customer Immersion Experiance
- Placement Consultant Connect.

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CLOUD MASTER BOOTCAMP

MOST EFFECTIVE BOOTCAMP TRAINING FOR YEAR 2021

SCHEDULE AND PROGRAM FEE

- 6 Months
- 300+ hrs Program
- 2.5 hrs on Weekday
- 4 hrs on Weekend

- USD 3742 (Incl Tx)
- 4 Equal Installment *

ABOUT US

We are Global #No 1 Online Job Based IT Training & Certification Provider focused on helping people acquire the new skills they need to thrive in the new digital world.

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