Oracle Cloud Infrastructure

Study Guide

Infrastructure as Code

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CLOUD INFRASTRUCTURE

Agenda

- About the Course
- Infrastructure as Code
- The OCI Command Line Interface Tool
- Using the OCI Software Development Kit
- Terraform

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Learning Objectives

- Explain the terms DevOps and Infrastructure as Code
- Describe the Infrastructure as Code categories and where Terraform fits in
- Describe the OCI-CLI tool architecture and install/configure it on your computer
- Use OCI-CLI to manage OCI resources via the command line
- Install/configure the OCI Python SDK and leverage VS Code as your Python IDE
- Use the OCI-SDK with Python to manage OCI resources programmatically
- Explain basic terraform concepts and install/configure terraform on your computer
- Use infrastructure as code principles in terraform to provision and manage OCI resources

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About the Workshop

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Lab Solution Paths

Nr.	Solution Path	Description
1	**For the Brave of Heart**	OK, so you want to have it the tough way. You just read the lab description and task 1 respectively and take it from there. No use of the additional support details in the lab description and the lab solutions in chapter 6. This might take way more time than I estimate in the lab description and you will encounter challenges. You have been warned.
2	**The Middle Way**	You still want to do the lab mostly by yourself but you are willing to accept some guidance to be able to complete in time. You read the whole lab description including the lab guidance for the additional tasks, but the lab solutions chapter 6 remains as a last resort only if you're stuck. You should be able to complete the lab in the time estimated in the description.
3	**Least Resistance**	You are primarily interested in completing the lab but not so much in the details. Obviously this path will also entail the least amount of learnings to be gained, but maybe you just want it to work and will look at the details later? Complete the lab by looking at the solutions guide in chapter 6, you should be able to finish way ahead of time. It's your choice.

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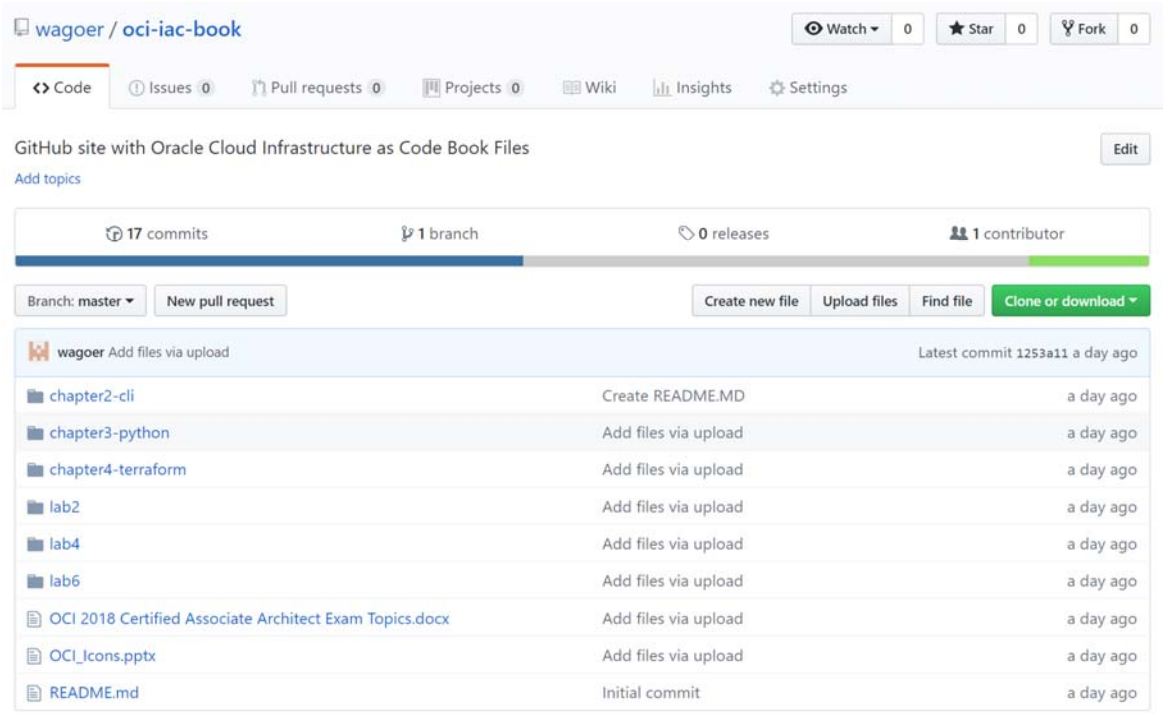
Course GitHub Home Page



https://github.com/wagoer/oci-iac-book

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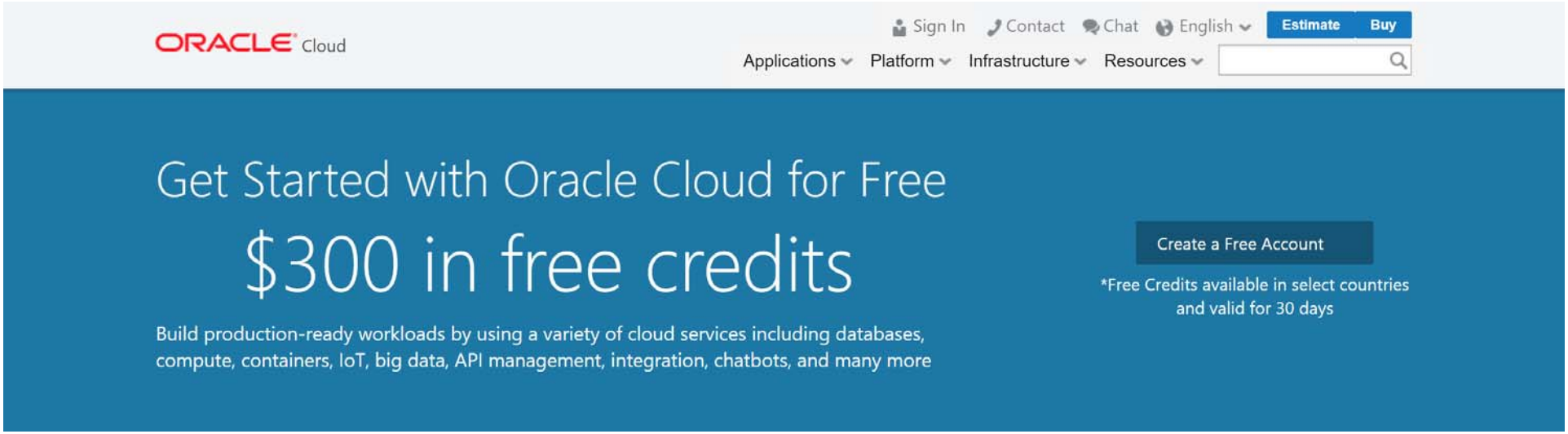

https://cloud.oracle.com/tryit

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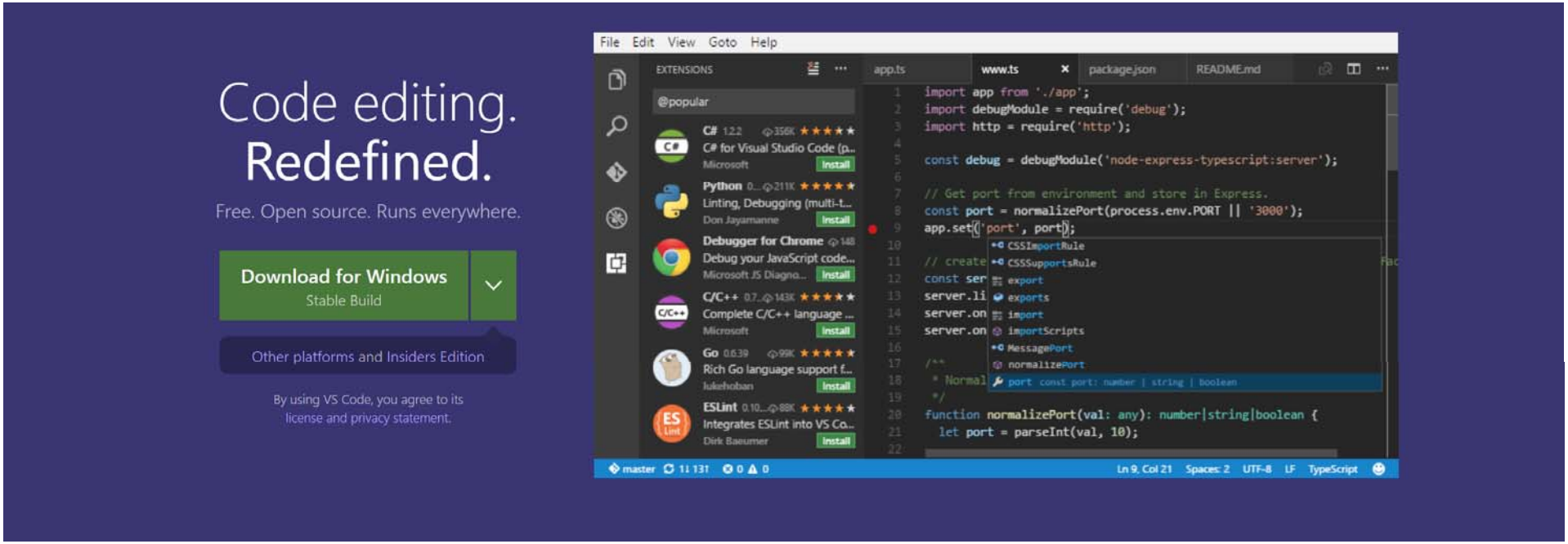
Course Prerequisites

Visual Studio Code



Download PuTTY

PuTTY is an SSH and telnet client, developed originally by Simon Tatham for the Windows platform. PuTTY is open source software that is available with source code and is developed and supported by a group of volunteers.

You can download PuTTY here.

PuTTY

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thank you
danke
謝謝
ngiyabonga
teşekkür ederim
gracias
merci
obrigado
dziękuję
bedankt
спасибо
Баярлалаа
рахмат
dank je
go raibh maith agat
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