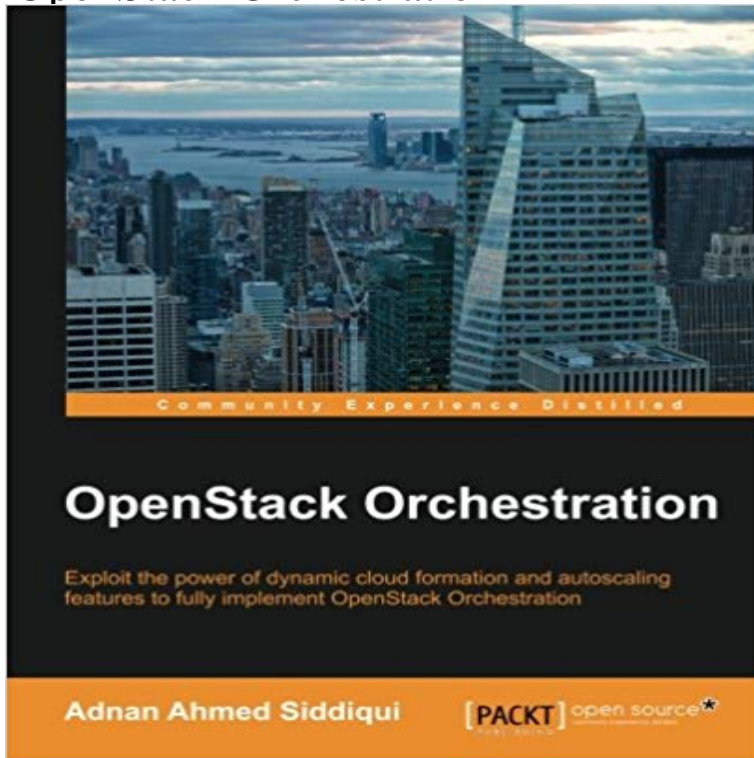


OpenStack Orchestration



Exploit the power of dynamic cloud formation and auto-scaling features to fully implement OpenStack orchestration

About This Book Set up, manage, and troubleshoot Heat and effectively automate your datacenter and cloud-based services Achieve high availability, minimize down-time, and automate the deployment of cloud-based services and resources with minimum effort Upgrade your skills and manipulate resources on virtual machines in an unattended fashion using Heat

Who This Book Is For If you are a System Engineer, System Administrator, Cloud Administrator, or a Cloud Engineer, then this book is for you. You should have a background of working in a Linux-based setup. Any knowledge of OpenStack-based cloud infrastructure will help you create wonders using this book.

What You Will Learn

- Install an orchestration service for a private cloud environment
- Tackle errors that show up during the installation and configuration of heat
- Configure a template for orchestration using the native HOT format
- Configure a template for orchestration using the AWS cloud formation format
- Deploy a stack using the HOT template
- Deploy a test stack using the AWS CloudFormation template
- Automate and orchestrate cloud-based services with OpenStack Heat

In Detail This book is focused on setting up and using one of the most important services in OpenStack orchestration, Heat. First, the book introduces you to the orchestration service for OpenStack to help you understand the uses of the templating mechanism, complex control groups of cloud resources, and huge-potential and multiple-use cases. We then move on to the topology and orchestration specification for cloud applications and standards, before introducing the most popular IaaS cloud framework, Heat. You will get to grips with the standards used in Heat, overview and roadmap, architecture and CLI, heat

which enables you to define different cloud