Troubleshooting Ubuntu Server

Skanda Bhargav

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Make life at the office easier for server administrators by helping them build resilient Ubuntu server systems

About This Book

- Tackle the issues you come across in keeping your Ubuntu server up and running
- Build server machines and troubleshoot cloud computing related issues using Open Stack
- Discover tips and best practices to be followed for minimum maintenance of Ubuntu Server 3

Who This Book Is For

This book is for a vast audience of Linux system administrators who primarily work on Debian-based systems and spend long hours trying fix issues with the enterprise server. Ubuntu is already one of the most popular OSes and this book targets the most common issues that most administrators have to deal with. With the right tools and definite solutions, you will be able to keep your Ubuntu servers in the pink of health.

What You Will Learn

- Deploy packages and their dependencies with repositories
- Set up your own DNS and network for Ubuntu Server
- Authenticate and validate users and their access to various systems and services
- Maintain, monitor, and optimize your server resources and avoid tremendous load
- Get to know about processes, assigning and changing priorities, and running processes in background
- Optimize your shell with tools and provide users with an improved shell experience
- Set up separate environments for various services and run them safely in isolation
- Understand, build, and deploy OpenStack on your Ubuntu Server

In Detail

Ubuntu is becoming one of the favorite Linux flavors for many enterprises and is being adopted to a large extent. It supports a wide variety of common network systems and the use of standard Internet services including file serving, e-mail, Web, DNS, and database management. A large scale use and implementation of Ubuntu on servers has given rise to a vast army of Linux administrators who battle it out day in and day out to make sure the systems are in the right frame of operation and pre-empt any untoward incidents that may result in catastrophes for the businesses using it. Despite all these efforts, glitches and bugs occur that affect Ubuntu server's network, memory, application, and hardware and also generate cloud computing related issues using OpenStack.

This book will help you end to end. Right from setting up your new Ubuntu Server to learning the best practices to host OpenStack without any hassles. You will be able to control the priority of jobs, restrict or allow access users to certain services, deploy packages, tackle issues related to server effectively, and reduce

downtime.

Also, you will learn to set up OpenStack, and manage and monitor its services while tuning the machine with best practices. You will also get to know about Virtualization to make services serve users better. Chapter by chapter, you will learn to add new features and functionalities and make your Ubuntu server a full-fledged, production-ready system.

Style and approach

This book contains topic-by-topic discussion in an easy-to-understand language with loads of examples to help you take care of Ubuntu Server. Plenty of screenshots will guide you through a step-by-step approach.

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Betty Walsh:

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