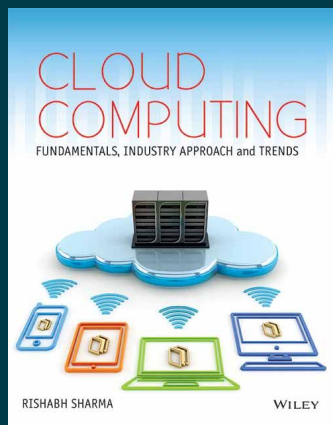


WILEY

Cloud Computing: Fundamentals, Industry Approach and Trends

By Rishabh Sharma

Paperback

ISBN: 9788126553068

Publication: [NOT PROVIDED] *publication_date*

Page Count: 232 pages

₹799.00

• Description

The book provides identification of business requirement for choosing cloud providers and an architectural approach to design cloud solution for the industry followed by best practices for cloud infrastructure setup, cloud capacity management, data and service migration and cost optimization in cloud. It is an easy-to-follow book where only basic knowledge of IT is required to start. In addition, the book is relevant not only to students but also to amateur and experienced IT professionals or anyone who is willing to know about cloud computing.

• About the Author

Rishabh Sharma

Rishabh Sharma is currently working as a CTO in JOB Forward

• Table of Contents

Preface

About the Author

1 Overview of Distributed Computing

1.1 What is Computing?

1.2 Traditional Utilities

1.3 Creation of the Internet

1.4 Computing Paradigm Trends

1.5 Computing Paradigm Evolution

1.6 Next Big Thing: The “Cloud”

1.7 Cloud Computing: A New Paradigm

1.8 Differences and Similarities among Different Types of Computing

2 Introduction to Cloud Computing

2.1 Cloud Computing: Definitions

2.2 Central Ideas Behind Cloud Computing

2.3 Properties and Characteristics of Cloud Computing

2.4 Benefits of Cloud Computing

2.5 Cloud Service and Deployment Models

2.6 Organizational Scenario of Cloud: Cloud Deployment Model

- 2.7 Cloud Architecture
- 2.8 Cloud Vocabulary
- 2.9 Challenges with Cloud Computing
- 2.10 Cloud-Supporting Services
- 2.11 Management and Administration of Cloud Services
- 3 Different Cloud Providers and Comparison of Services
 - 3.1 Infrastructure Service Providers
 - 3.2 Key Benefits of Cloud Infrastructure Services
 - 3.3 Comparison between Infrastructure Service Providers
 - 3.4 Identification of Business Requirement for Choosing any Cloud Infrastructure Provider
 - 3.5 Cloud Infrastructure Setup Procedure
 - 3.6 Platform Service Providers
 - 3.7 Key Benefits of Cloud Platform Services
 - 3.8 Comparison of Platform Service Providers
 - 3.9 Identification of Business Requirement for Choosing any Cloud Platform Provider
 - 3.10 Cloud Platform Setup Procedure
 - 3.11 Cloud Application Development
 - 3.12 Software Service Providers
 - 3.13 Benefits of SaaS
 - 3.14 Comparison between Software Service Providers
- 4 Virtualization Techniques
 - 4.1 Virtualization Technology
 - 4.2 Overview of x86 Virtualization
 - 4.3 Types of Virtualization
 - 4.4 Virtualization Products
 - 4.5 Concept of VLAN (Virtual LAN) and Benefits
 - 4.6 Concept of SAN (Virtual SAN) and Benefits
 - 4.7 VM Migration
 - 4.8 VM Consolidation and Management
 - 4.9 Cloud Interoperability Standards
- 5 Cloud Databases and File Systems in Cloud
 - 5.1 Cloud Database
 - 5.2 Cloud File System
 - 5.3 Cloud Programming Model
- 6 Cloud Security and Existing Security Solutions
 - 6.1 Cloud Security Fundamentals
 - 6.2 Cloud Risk

- 6.3 Cloud Risk Division
- 6.4 Cloud Computing Security Architecture
- 6.5 VM Security Challenges
- 6.6 Vulnerability Assessment Tool for Cloud
- 6.7 Open Source Security Solution Products in Cloud
- 7 Cloud Middleware and Best Practices
 - 7.1 Concept and Need of Cloud Middleware
 - 7.2 QoS Issues in Cloud
 - 7.3 Data Migration and Streaming in Cloud
 - 7.4 Performance Monitoring Tools in Cloud
 - 7.5 Best Practices of Cloud Computing
- 8 Private Cloud Computing Platforms and Cloud Testing
 - 8.1 Private Cloud Computing Platforms
 - 8.2 Cloud-Optimized Linux
 - 8.3 Testing in Cloud computing
- 9 Advance Cloud Application and Supporting Services
 - 9.1 Advance Cloud Applications
 - 9.2 Different Sharing and Collaborative Services in Cloud
 - 9.3 Outside the Cloud Services
 - 9.4 Cloud Analytics
 - 9.5 Software plus Services
 - 9.6 Cloud Content Delivery Network (CDN) Services
 - 9.7 Mobile Cloud Computing
 - 9.8 InterCloud Issues: A Grid of Clouds
 - 9.9 Sky Computing
 - 9.10 Cloud Governance
- 10 Cloud Computing Consumer Case Studies
 - 10.1 Cloud Infrastructure Adoption Case Study
 - 10.2 Cloud Platform Adoption Case Study
 - 10.3 Cloud Software Services Adoption Case Study
 - 10.4 Cloud Simulation Tools
 - 10.5 Future of Cloud Computing?

Summary

Multiple Choice Questions

Review Questions

Answers to Multiple Choice Questions

Bibliography

Index

To purchase this product, please visit:

<https://wiley.indiafin.com/cloud-computing-fundamentals-industry-approach-and-trends.html>



Scan to buy