Advances in Cloud Computing Security

Techniques and Applications

Dr. Stuti Asthana

Independent Researcher and Analyst

Dr. Rakesh Kumar Bhujade

Head of the Information Technology Department in Government Polytechnic, Daman

Prof. Ghanshyam Prasad Dubey

Associate Professor, Sagar Institute of Science and Technology, Gandhi Nagar, Bhopal.

AG PH Books

2021

First Edition: 2021

ISBN: 978-81-955340-6-7

© Copywrite Reserved by the publishers

Publication, Distribution and Promotion Rights reserved by Academic Guru Publishing House, Bhopal, Madhya Pradesh (Publisher) Despite every effort, there may still be chances for some errors and omissions to have crept in inadvertently.

No part of this publication may be reproduced in any form or by any means, electronically, mechanically, by photocopying, recording or otherwise, without the prior permission of the publishers. The views and results expressed in various articles are those of the authors and not of editors or publisher of the book.

Published by:

Academic Guru Publishing House,

B-6, Shopping Complex, Ground Floor, Hoshangabad Rd, behind Indian Oil Petrol Pump, Vidya Nagar, Bhopal, Madhya Pradesh 462026

Website: https://www.agphbooks.com

About the Book

Cloud computing is a technical and social reality today; at the same time, it is an emerging technology. At this time one can only speculate how the infrastructure for this new paradigm will evolve and what applications will migrate to it. The economic, social, ethical, and legal implications of this shift in technology, whereby users rely on services provided by large data centers and store private data and software on systems they do not control, are likely to be significant.

In the last several years, many books have been published on cloud computing. Each book has attempted to present some element of the topic for a particular audience. In this book, 15 chapters are written by various researchers. And each chapter reflects the different aspect of cloud computing. It is an edited book and many topics in this book are unique to this book and are based on published information that is both current and timely.

Preface

Cloud computing has become a great solution for providing a flexible, on-demand, and dynamically scalable computing infrastructure for many applications. Cloud computing also presents a significant technology trend, and it is already obvious that it is reshaping information technology processes and the IT marketplace.

Cloud computing is a movement started sometime during the middle of the first decade of the new millennium. The movement is motivated by the idea that information processing can be done more efficiently on large farms of computing and storage systems accessible via the Internet. In this book we attempt to sift through the large volume of information and dissect the main ideas related to cloud computing.

The appeal of cloud computing is that it offers scalable and elastic computing and storage services. The resources used for these services can be metered and the users can be charged only for the resources they use. Cloud computing is a business reality today as increasing numbers of organizations are adopting this paradigm.

This book attempts to provide a snapshot of the state of the art of a dynamic field likely to experience significant developments in the near future. This is an edited book; comprises 15 chapters written by different researchers.

- Editorial Team

Advances in Cloud Computing Security: Techniques and Applications

(ISBN: 978-81-955340-6-7)