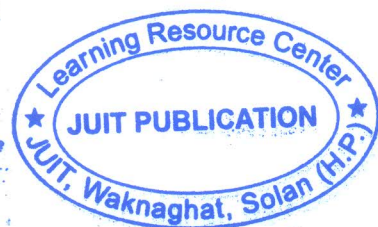


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Trust & Fault in Multi Layered Cloud Computing Architecture

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Trust & Fault in Multi Layered Cloud Computing Architecture

This book discusses various aspects of cloud computing, in which trust and fault-tolerance models are included in a multilayered, cloud architecture. The authors present a variety of trust and fault models used in the cloud, comparing them based on their functionality and the layer in the cloud to which they respond. Various methods are discussed that can improve the performance of cloud architectures, in terms of trust and fault-tolerance, while providing better performance and quality of service to user. The discussion also includes new algorithms that overcome drawbacks of existing methods, using a performance matrix for each functionality. This book provide readers with an overview of cloud computing and how trust and faults in cloud datacenters affects the performance and quality of service assured to the users.

- Discusses fundamental issues related to trust and fault-tolerance in Cloud Computing;
- Describes trust and fault management techniques in multi layered cloud architecture to improve security, reliability and performance of the system;
- Includes methods to enhance power efficiency and network efficiency, using trust and fault based resource allocation.

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