1. Record Nr. UNINA9910138991203321

Autore	Bauer Eric
Titolo	Service quality of cloud-based applications / / Eric Bauer, Randee Adams
Pubbl/distr/stampa	Hoboken, New Jersey : , : Wiley, , [2014] [Piscataqay, New Jersey] : , : IEEE Xplore, , [2013]
ISBN	1-118-76328-9 1-118-76340-8 1-118-76339-4
Descrizione fisica	1 online resource (340 p.)
Disciplina	004.6782
Soggetti	Cloud computing Application software - Reliability Quality of service (Computer networks)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover; IEEE Press; Title page; Copyright page; Contents; Figures; Tables and Equations; Tables; Equations; 1: Introduction; 1.1 Approach; 1.2 Target Audience; 1.3 Organization; Acknowledgments; I: Context; 2: Application Service Quality; 2.1 Simple Application Model; 2.2 Service Boundaries; 2.3 Key Quality and Performance Indicators; 2.4 Key Application Characteristics; 2.4.1 Service Criticality; 2.4.2 Application Interactivity; 2.4.3 Tolerance to Network Traffic Impairments; 2.5 Application Service Quality Metrics; 2.5.1 Service Availability; 2.5.2 Service Latency; 2.5.3 Service Reliability 2.5.4 Service Accessibility2.5.5 Service Retainability; 2.5.6 Service Throughput; 2.5.7 Service Timestamp Accuracy; 2.5.8 Application-Specific Service Quality Measurements; 2.6 Technical Service versus Support Service; 2.6.1 Technical Service Quality; 2.6.2 Support Service Quality; 2.7 Security Considerations; 3: Cloud Model; 3.1 Roles in Cloud Computing; 3.2 Cloud Service Models; 3.3 Cloud Essential Characteristics; 3.3.1 On-Demand Self-Service; 3.3.2 Broad Network Access; 3.3.3 Resource Pooling; 3.3.4 Rapid Elasticity; 3.3.5 Measured Service; 3.4 Simplified Cloud Architecture

Sommario/riassunto

This book explains why applications running on cloud might not deliver the same service reliability, availability, latency and overall quality to end users as they do when the applications are running on traditional (non-virtualized, non-cloud) configurations, and explains what can be done to mitigate that risk.