

Legacy System Migration to Multi-Cloud: A Systematic Literature Review

Selected Papers for beginning research

Title	Cite
A cloud-migration feasibility advisor (Asthana, S. et al. - 2020, Pos. 2)	Asthana2020
A Commodity-Focused Multi-cloud Marketplace Exemplar Application (Wright, Peter et al. - 2011, Pos. 2)	Wright2011
A dynamic decision support system for selection of cloud storage provider (Mateen, A. et al. - 2021, Pos. 2)	Mateen2021
A review on security issues and their impact on hybrid cloud computing environment (Raza, M. et al. - 2019, Pos. 2)	Raza2019
A Study of Cloud Computing Adoption in Universities as a Guideline to Cloud Migration (Aydin, H. - 2021, Pos. 2)	Aydin2021
A systematic literature review on cloud computing adoption and migration (de Paula, A.C.M. & de Carneiro, G.F. - 2016, Pos. 2)	dePaula2016A
A systematic literature Review: Risk analysis in cloud migration (Maniah et al. - 2022, Pos. 2)	Maniah2022
An Extensive Review on Cloud Computing (Gourisaria, M.K. et al. - 2020, Pos. 2)	Gourisaria2020
An iterative mathematical decision model for cloud migration: A cost and security risk approach (Hosseini Shirvani, M. et al. - 2018, Pos. 2)	Shirvani2018
Approaches for migrating non cloud-native applications to the cloud (Shastri, A.L. et al. - 2022, Pos. 2)	Shastri2022
Architecture Decision on using Microservices or Serverless Functions with Containers (Jambunathan, B. & Yoganathan, K. - 2018, Pos. 2)	Jambunathan2018
Challenges for migrating to the service cloud paradigm: An agile perspective (Stavru, S. et al. - 2013, Pos. 2)	Stavru2013A-ChallengesForMigrating
Cloud and Multi-cloud Computing: Current Challenges and Future Applications (Ardagna, D. - 2015, Pos. 2)	Ardagna2015
Cloud computing in the upstream oil & gas industry: A proposed way forward (Perrons, R.K. & Hems, A. - 2013, Pos. 2)	Perrons2012
Cloud Computing Trends and Cloud Migration Tuple (Ahmad, N. et al. - 2020, Pos. 2)	Ahmad2020
Cloud migration architecture and pricing – Mapping a licensing business model for software vendors to a SaaS business model (Fowley, F. & Pahl, C. - 2018, Pos. 2)	Fowley2018
Cloud migration patterns: A multi-cloud service architecture perspective (Jamshidi, P. et al. - 2015, Pos. 2)	Jamshidi2015
Cloud migration process—A survey, evaluation framework, and open challenges (Gholami, M.F. et al. - 2016, Pos. 2)	Gholami2016
Cloud Migration Research: A Systematic Review (Jamshidi, P. et al. - 2013, Pos. 2)	Jamshidi2013
Cloud requirement framework: Requirements and evaluation criteria to adopt Cloud solutions (Repschlaeger, J. et al. - 2012, Pos. 2)	Repschlaeger2012
Cloudward bound: Planning for beneficial migration of enterprise applications to the cloud (Hajjat, M. et al. - 2010, Pos. 2)	Hajjat2010
Computing resource transformation, consolidation and decomposition in hybrid clouds (Hwang, J. - 2015, Pos. 2)	Hwang2015
Cost Reduction in Hybrid Clouds for Enterprise Computing (Zhou, B. et al. - 2017, Pos. 2)	Zhou2017
Crane Cloud: A resilient multi-cloud service abstraction layer for resource-constrained settings (Bainomugisha, E. & Mwotil, A. - 2022, Pos. 2)	Bainomugisha2022
CSO-ILB: chicken swarm optimized inter-cloud load balancer for elastic containerized multi-cloud environment (Saif, M.A.N. et al. - 2022, Pos. 2)	Saif2022
Disrupting Healthcare Silos: Addressing Data Volume, Velocity and Variety With a Cloud-Native Healthcare Data Ingestion Service (Ranchal, R et al. - 2020, Pos. 2)	Ranchal2020
DPS-AA: Intranet migration strategy model for clouds (Tona, A.A. & Sharma, D.P. - 2020, Pos. 2)	Tona2020
Emergence of Middleware to Mitigate the Challenges of Multi-Cloud Solutions onto Mobile Devices (Ravi, N. & Thangarathinam, M. - 2019, Pos. 2)	Ravi2019
ERP issues and challenges: a research synthesis (Mahmood, F. et al. - 2020, Pos. 2)	Mahmood2020
EU project SeaClouds adaptive management of service-based applications across multiple clouds (Brogi, A. et al. - 2014b, Pos. 2)	Brogi2014
Exploring the factors influencing the cloud computing adoption: a systematic study on cloud migration (Rai, R. et al. - 2015, Pos. 2)	Rai2015
From Monolithic to Microservice Architecture: The Case of Extensible and Domain-Specific IDEs (Belafia, Romain et al. - 2021, Pos. 2)	Belafia2021
From the desktop to the multi-clouds: The case of ModelioSaaS (Da Silva, M.A.A. et al. - 2013, Pos. 2)	daSilva2013
Healthcare application migration in compliant hybrid clouds (Sailer, A. et al. - 2018, Pos. 2)	Sailer2018
Implementing cloud ERP solutions: A review of sociotechnical concerns (SØrheller, V.U. et al. - 2018, Pos. 2)	SØrheller2018
Information-flow control for building security and privacy preserving hybrid clouds (Shyamasundar, R.K. et al. - 2017, Pos. 2)	Shyamasundar2017
Making the cloud work for software producers: Linking architecture, operating cost and revenue (Rosati, P. et al. - 2018, Pos. 2)	Rosati2018
Migrating Monoliths to Microservices-based Customizable Multi-tenant Cloud-native Apps (Haugeland, S.G. et al. - 2021, Pos. 2)	Haugeland2021
Multicloud service composition: A survey of current approaches and issues (Lahmar, F. & Mezni, H. - 2018, Pos. 2)	Lahmar2018
Multi-cloud Solution Design for Migrating a Portfolio of Applications to the Cloud (Asthana, S. et al. - 2021, Pos. 2)	Asthana2021
PacificClouds: A flexible microservices based architecture for interoperability in multi-cloud environments (De Carvalho, J.O. et al. - 2018, Pos. 2)	deCarvalho2018
Pattern-based multi-cloud architecture migration (Jamshidi, P. et al. - 2017, Pos. 2)	Jamshidi2017
Performance Evaluation of Distributed Systems in Multiple Clouds using Docker Swarm (Naik, N. - 2021, Pos. 2)	Naik2021
Portability in clouds: Approaches and research opportunities (Petcu, D. & Vasilakos, A.V. - 2014, Pos. 2)	Petcu2014
Requirements for a model-driven cloud-native migration of monolithic web-based applications (Lichtenthäler, R. et al. - 2020, Pos. 2)	Lichtenthaler2019
SeaClouds: Seamless adaptive multi-cloud management of service-based applications (Brogi, A. et al. - 2014a, Pos. 2)	brogi2014SeaClouds
Self-management challenges for multi-cloud architectures (invited paper) (Elmroth, E. et al. - 2011, Pos. 2)	Elmroth2011
State-of-the-Art Architectures for Interoperability of Heterogeneous Clouds (Caceres, A. & Globa, L. - 2022, Pos. 2)	Caceres2022
SULTAN: A Composite Data Consistency Approach for SaaS Multi-cloud Deployment (Elgedawy, I - 2015, Pos. 2)	Elgedawy2015
Taxonomical Classification and Systematic Review on Microservices (Weerasinghe, S. & Perera, I. - 2022, Pos. 2)	Weerasinghe2022