Survey on Middleware Systems in Cloud Computing Integration

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Abstract— Cloud computing is an increasingly attractive solution to providing cheap, scalable, and easy to deploy computing services. This paper presents a survey on the middleware technology used to integrate different cloud platforms/services, applications running in the cloud, and the cloud with on-premise data centers. We discuss the ongoing research projects and solutions being developed such as Altocumulus, AppScale, Cloudify, and mOSAIC. We analyze the features already available in current solutions as well as the future technology and standards needed to ensure seamless integration and more widespread adoption of cloud computing solutions.

Keyword— Cloud computing, Middleware, Integration

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