

## Impact of Extended Enterprise Resource Planning in the Context of Cloud Computing on Industries and Organizations

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**Abstract :** The Extended Enterprise Resource Planning (ERP) system usually requires massive amounts of storage space, powerful servers, and large upfront and ongoing investments to purchase and manage the software and the related hardware which are not affordable for organizations. In recent decades, organizations prefer to adapt their business structures with new technologies for remaining competitive in the world economy. Therefore, cloud computing (which is one of the tools of information technology (IT)) is a modern system that reveals the next-generation application architecture. Also, cloud computing has had some advantages that reduce costs in many ways such as: lower upfront costs for all computing infrastructure and lower cost of maintaining and supporting. On the other hand, traditional ERP is not responding for huge amounts of data and relations between the organizations. In this study, based on a literature study, ERP is investigated in the context of cloud computing where the organizations operate more efficiently. Also, ERP conditions have a response to needs of organizations in large amounts of data and relations between the organizations.

**Keywords :** extended enterprise resource planning, cloud computing, business process, enterprise information integration

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