A framework for information systems planning for e-business

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Abstract
E-business information systems are computer applications that leverage intra- and inter-firm process and systems integration. Considering the growth and strategic importance of e-business, while it is important for organizations to carefully plan for and architect e-business systems, none of the existing information systems planning models is adequate for the task. An e-business architecture planning model is developed by identifying 12 generic e-business models and three axes on which drivers of the information architecture needs of e-business firms fall. Sowa and Zachman's information architecture is augmented to further facilitate e-business information systems architecture planning.

Keywords
Information systems | Electronic commerce | Internet | Computer architectures | Strategic planning

Citation

E-business information systems are computer applications that use the Internet technology, its universal connectivity and the capabilities of the Web browser to integrate business processes within and beyond an enterprise. The use of the Internet technologies to manage information is a substantial improvement over traditional information systems and conventional uses of the Web (Applegate, 1995; Hsu and Pant, 2000; Venkatraman, 1994). We develop a framework for e-business information architecture planning that allows organizations to explicitly focus on the unique information management needs faced by e-businesses. E-business information systems are computer applications that leverage intra- and inter-firm process and systems integration. Considering the growth and strategic importance of e-business, while it is important for organizations to carefully plan for and architect e-business systems, none of the existing information systems planning models is adequate for the task. Proposes a framework for developing an information system model to fit the business model of electronic commerce. This framework is structured around three domains: EC business model, information system model, and object-oriented methodology. View. Show abstract.