以web service為基礎的行動協同商務之研究

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摘 要

隨著企業行動工作者的增加，其對於「無線化」與「行動化」的資訊需求與日俱增。然而，現有的企業有線資訊系統在設計開發時並沒有依據行動使用者需求及行動裝置特性來加以考量，也就無法有效支援行動工作者之動態資訊需求。因此，如何整合無線通訊技術企業資訊系統與行動裝置，讓行動工作者可以有效地藉由行動資訊裝置來相互溝通、協調、合作及分享彼此的資訊，以利行動工作過程中即時資訊之取得與決策制定之依據，是現今電子化企業面臨的一大挑戰。所幸，隨著Web Service概念的興起，它提供企業解決此問題的一個可行方案。 本研究根據行動工作者的使用需求及行動裝置特性，來分析設計行動協同商務情境，並運用Web Service開放性與模組化的優點，將各個行動物件功能及其間之關係封裝成Web Service物件，以建立一個以Web Service為基礎之行動協同商務框架。亦即，本框架定義行動協同商務進行中所需的功能與機制，如訊息通知、訊息互傳、工作協調及工作派遣。再則，為了減輕企業伺服器的負擔，本研究框架也支援同儕運算，來提昇行動工作者的工作效能與效率。本研究框架提供企業MIS人員一個具有彈性且動態的程式開發架構。此意味者，企業在邁進行動協同商務領域時，不但不需放棄原有資訊系統，更能藉由本研究框架之協助來與原有系統整合，節省系統開發時間與成本，加速企業內外資訊流通的速度，進而提昇企業整體競爭優勢。

關鍵詞 : 網路服務 ; 行動裝置 ; 同儕運算 ; 行動商務

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