

DEDICATION

I dedicate this effort to my parents, brothers,
friend and all people aim to knowledge

ACKNOWLEDGMENT

I would like to thank my supervisor **Dr.Omar Ishag Eddai**. Without his continuing guidance and help, this thesis has been an impossible to do.

Thank my all friends.

All praise and Thanks is to Allah before an after.

ABSTRACT

The new-emerging Web Services concept was designed to meet the requirements of business-to-business (B2B) application interaction. Web Services are based on a set of open, platform independent standards to reach a high level of acceptance.

This master's thesis primarily examines the Web Services concept and its enabling technologies and standards. It describes the possibilities for development of new Web Services and for exposing existing applications as services. A case study demonstrates all tasks related to Web Services development, publication, and invocation at runtime. In addition, this work provides a discussion of both the benefits of this approach and the problems that may occur. Finally, an assessment about the importance of Web Services today and in future is provided.

ملخص البحث

ظهرت خدمات الويب (Web services) كمفهوم جديد صمم لتلبية متطلبات الأعمال التجارية (B2B) وتطبيق تفاعلاتها. خدمات الويب بنيت أساساً بصورة مفتوحة للعمل على المنصات (platform) بصورة مستقلة للوصول إلى معايير عالية المستوى ومقبولة.

تدرس أطروحة الماجستير هذه في المقام الأول مفهوم خدمات الويب، والتكنولوجيا الممكنة لبنائها ومعاييرها. و تصف كيفية تطوير خدمات ويب جديدة وكيفية الكشف عن الخدمات المتوفرة لتطبيقها. كما توضح دراسة الحالة جميع المهام المرتبطة بتطوير خدمات الويب من: نشرها ، ونداء أثناء التشغيل. وبالإضافة إلى ذلك ، يناقش هذا العمل كل من فوائد هذا المنهج والمشاكل التي قد تحدث. وأخيراً، تقييم أهمية خدمات الويب في الوقت الحاضر والمستقبل.

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