ABSTRACT

Information Technology these days play a big role in all sectors, but there are some difficulties and problems faced by users of Information Technology of the most important cost and the lack of sufficient flexibility when there is a need to develop, for this cloud computing took great importance in the world of technology, because its services are trying to provide solutions to the problems and difficulties of traditional computing. Especially in developing countries, such as Middle East countries, which are the case study for this thesis, this thesis aims to develop a decision model helps in making the decision to move to cloud computing for companies and organizations in the Middle East and analyze the results of decision model to determine the readiness of the Middle East countries to move to cloud computing. The studies and previous research not provide decision model of a special in the Middle East, but studies was dependent on the analysis of data cloud computing in developed countries, so that this thesis is trying to provide a decision model special for companies and organizations in developing countries. Data were collected in this thesis by conducting interviews with specialists in information technology and business in the Middle East, in addition to the questionnaire online participated in 119 participants used the data to develop a decision model of the which was applied to 73 companies and organizations in the Middle East is the main findings of analysis of the results of model application is that the countries of the Middle East are ready to move to cloud computing from the business and technical perspective but there are problems in side cloud computing services providers for the geographic dimension of their data centers for the region and the absence of large agencies provide services in the region.

Keywords: Cloud Computing, Technology, Middle East, Decision Model, Distributed Computing, Grid Computing.