


THE IMPACT OF USING THE CLOUD COMPUTING UPON THE QUALITY OF ACCOUNTING INFORMATION AND IT'S REFLECTION UPON THE DEVELOPMENT OF THE WORLD STANDARDS OF FINANCIAL REPORTS IN JORDANIAN CORPORATIONS

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ARTICLE INFO	ABSTRACT
<p>Article history:</p> <p>Received 09 June 2023</p> <p>Accepted 07 September 2023</p>	<p>Purpose: This study seeks to examine the impact of cloud computing on the quality of accounting information and its alignment with international financial reporting standards. The researcher randomly selected a group of corporations as a representative sample of those adopting cloud computing. The study employed both theoretical and applied research methods, including file and record analysis and interviews with key personnel, to draw conclusions.</p>
<p>Keywords:</p> <p>Cloud Computing; Providers; Service Recipient; Standards; Accounting Informations.</p>	<p>Design/Methodology/Approach: The research methodology involved the selection of a random group of corporations for analysis. The study combined theoretical exploration with practical examination of files and interviews with relevant stakeholders, such as managers and accountants. This approach allowed for a comprehensive assessment of the impact of cloud computing on accounting information quality.</p>
	<p>Findings: The study yielded several key findings; Cloud computing relies on multiple components, including customers, infrastructure, applications, and platforms. The adoption of cloud computing positively influences the quality and credibility of accounting information. However, there are inherent risks associated with cloud computing, including security, contractual issues, and potential human errors. These risks must be addressed.</p> <p>Research, Practical & Social implications: This research carries significant implications; The accounting profession must develop a code of conduct addressing the risks associated with cloud computing. Regulations and procedures governing the relationship between service providers and users need updating, with a focus on contractual and control aspects. Training programs should be implemented to educate both service providers and users about cloud computing, mitigating associated risks. Stringent regulations should be enacted to safeguard the confidentiality of accounting information, preventing unauthorized access or disclosure.</p> <p>Originality/Value: This study's originality lies in its comprehensive exploration of cloud computing's impact on accounting information quality and its practical implications for financial reporting. The research contributes valuable insights for professionals, regulators, and organizations adopting cloud technologies in the field of accounting.</p> <p>Doi: https://doi.org/10.26668/businessreview/2023.v8i9.3771</p>

O IMPACTO DO USO DA COMPUTAÇÃO EM NUVEM NA QUALIDADE DA INFORMAÇÃO CONTÁBIL E SEU REFLEXO NO DESENVOLVIMENTO DOS PADRÕES MUNDIAIS DE RELATÓRIOS FINANCEIROS NAS EMPRESAS JORDANIANAS

RESUMO

Objetivo: Este estudo busca examinar o impacto da computação em nuvem na qualidade da informação contábil e seu alinhamento com os padrões internacionais de relatórios financeiros. O pesquisador selecionou

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aleatoriamente um grupo de empresas como amostra representativa daquelas que adotam a computação em nuvem. O estudo utilizou métodos de investigação teóricos e aplicados, incluindo análise de ficheiros e registos e entrevistas com pessoal-chave, para tirar conclusões.

Desenho/Metodologia/Abordagem: A metodologia de pesquisa envolveu a seleção de um grupo aleatório de empresas para análise. O estudo combinou a exploração teórica com o exame prático de arquivos e entrevistas com partes interessadas relevantes, como gestores e contadores. Esta abordagem permitiu uma avaliação abrangente do impacto da computação em nuvem na qualidade da informação contábil.

Resultados: O estudo produziu várias conclusões importantes; A computação em nuvem depende de vários componentes, incluindo clientes, infraestrutura, aplicativos e plataformas. A adoção da computação em nuvem influencia positivamente a qualidade e a credibilidade das informações contábeis. No entanto, existem riscos inerentes associados à computação em nuvem, incluindo segurança, questões contratuais e potenciais erros humanos. Esses riscos devem ser abordados.

Implicações de pesquisa, Práticas e Sociais: Esta pesquisa traz implicações significativas; A profissão contábil deve desenvolver um código de conduta que aborde os riscos associados à computação em nuvem. As regulamentações e procedimentos que regem o relacionamento entre prestadores de serviços e usuários necessitam de atualização, com foco nos aspectos contratuais e de controle. Devem ser implementados programas de formação para educar tanto os prestadores de serviços como os utilizadores sobre a computação em nuvem, mitigando os riscos associados. Devem ser promulgadas regulamentações rigorosas para salvaguardar a confidencialidade da informação contabilística, evitando o acesso ou divulgação não autorizada.

Originalidade/Valor: A originalidade deste estudo reside na sua exploração abrangente do impacto da computação em nuvem na qualidade da informação contabilística e nas suas implicações práticas para os relatórios financeiros. A pesquisa contribui com insights valiosos para profissionais, reguladores e organizações que adotam tecnologias de nuvem na área de contabilidade.

Palavras-chave: Computação em Nuvem, Provedores, Destinatário de Serviços, Padrões, Informações Contábeis.

EL IMPACTO DEL USO DE LA COMPUTACIÓN EN LA NUBE SOBRE LA CALIDAD DE LA INFORMACIÓN CONTABLE Y SU REFLEJO EN EL DESARROLLO DE LOS ESTÁNDARES MUNDIALES DE INFORMES FINANCIEROS EN LAS CORPORACIONES JORDANAS

RESUMEN

Propósito: Este estudio busca examinar el impacto de la computación en la nube en la calidad de la información contable y su alineación con las normas internacionales de información financiera. El investigador seleccionó al azar un grupo de corporaciones como muestra representativa de aquellas que adoptan la computación en la nube. El estudio empleó métodos de investigación tanto teóricos como aplicados, incluido el análisis de archivos y registros y entrevistas con personal clave, para sacar conclusiones.

Diseño/Metodología/Enfoque: La metodología de investigación implicó la selección de un grupo aleatorio de corporaciones para su análisis. El estudio combinó la exploración teórica con el examen práctico de expedientes y entrevistas con partes interesadas relevantes, como gerentes y contadores. Este enfoque permitió una evaluación integral del impacto de la computación en la nube en la calidad de la información contable.

Hallazgos: El estudio arrojó varios hallazgos clave; La computación en la nube depende de múltiples componentes, incluidos clientes, infraestructura, aplicaciones y plataformas. La adopción de la computación en la nube influye positivamente en la calidad y credibilidad de la información contable. Sin embargo, existen riesgos inherentes asociados con la computación en la nube, incluida la seguridad, cuestiones contractuales y posibles errores humanos. Estos riesgos deben abordarse.

Investigación, Implicaciones prácticas y Sociales: Esta investigación tiene implicaciones significativas; La profesión contable debe desarrollar un código de conducta que aborde los riesgos asociados con la computación en la nube. Es necesario actualizar las normas y procedimientos que rigen la relación entre los proveedores de servicios y los usuarios, centrándose en los aspectos contractuales y de control. Se deben implementar programas de capacitación para educar tanto a los proveedores de servicios como a los usuarios sobre la computación en la nube, mitigando los riesgos asociados. Se deben promulgar regulaciones estrictas para salvaguardar la confidencialidad de la información contable, evitando el acceso o la divulgación no autorizados.

Originalidad/Valor: La originalidad de este estudio radica en su exploración integral del impacto de la computación en la nube en la calidad de la información contable y sus implicaciones prácticas para los informes financieros. La investigación aporta conocimientos valiosos para profesionales, reguladores y organizaciones que adoptan tecnologías en la nube en el campo de la contabilidad.

Palabras clave: Computación en la Nube, Proveedores, Destinatarios de Servicios, Estándares, Información Contable.

INTRODUCTION

The world has witnessed in the last two decades of the past century a great technological developments and qualitative shift in the world of technology in all aspects of human life especially in the field of business and information systems, which allowed the organization using the information technology with their most modern techniques to implement their activities.

In addition to the continuous revolution in information technology which affected greatly the accounting informations, so the whole economic organizations as well as the governmental units became using the computer devices in their daily works with efficiency and effectiveness more than before, because of their small volumes, high technological procedures, small volumes and simplicity in using with their few costs.

It should be noticed that the current accounting information systems are described as complex systems with their big volumes to the extent that would make their understanding completely impossible and the traditional information technology which still used in implementing the engagements are not effective, so there is a need to use more technological tools and methods to facilitate their using and accelerate reaching to the whole related parties of organizations and individuals with regardless to their sizes or capabilities to get their resources.

For this purpose, a new technological instrument called “cloud computing” has been created, which is considered as a more modern aspect, and a paradigm leap in the world of business, and a fundamental environment because of its capability to spare secure storage of Data as with the relevant internet services and great computing capability, Since the information included in the financial reports represent a significant component to evaluate the efficiency and effectiveness of those organizations.

Therefore using cloud computing in the field of accountancy, is considered as a modern methodology of preparing the accounts and financial reports, by using an accounting program hosted by.

From this point, this study has been prepared to express the need to develop the international financial reports according to the applications of cloud computing technique with the risks resulted from it, in order to ensure maintaining the quality and to find the accounting standards which would solve all the problems related to transition to the new curriculum, and to manage its procedures by issuing new rules and standards that govern their behavior.

Study Problem

In spite of the various advantages of this new methodology called “cloud computing” which the researcher has tried to mention in the introduction that represents the possibility of using cloud computing in the field of accountancy and the information systems in order to improve the performance and to increase their efficiency in dealing with files and records through the cloud, and not to load the accounting files and records on personal computers, in addition to the unlimited storage capacity for accounting Data and information, but this new curriculum still facing many restraints, obstacles and problems which may affect adversely the quality and the credibility of accounting information, as well as the financial reports which are considered as the final result on which all the users depend to make their decisions.

So the problem of this study could be determined by answering the following questions in order to achieve the study objectives :

- 1-Is there any clear relationship between the application of “cloud computing” and the quality of accounting information.
- 2-Do the accompanied risks of cloud computing applying need developing the international financial reports standards.
- 3-Do the risks resulted from security and procedural gaps need to develop the financial reports standards.
- 4-Do the material risks need to develop the financial reports standards.
- 5-Do the human risks need to develop the standards of financial reports.
- 6- are there any difficulties and obstacles could face applying cloud computing in Jordanian corporations.

Study Importance

The importance of this study coming out from being an attempt by the researcher to review the impact of adopting the developed technological applications represented by “cloud computing” upon the quality of accounting information and the financial reports which represents the accuracy, credibility, relevance and easy communication with the all kinds of users and recommending the development of international standards of financial reports in order to be relevant to those applications and find out the controls and the rules which would govern those procedures with this new methodology at their different kinds and activities.

Study Objectives

A persistent need for the cloud computing as methodology appeared as a result of technological developments and with steady increment in the volume of the Data and information which affected greatly the capability of the company on governing the volume of those information's and managing them, and how to keep and retrieve them and what entails increasing of storage costs, with purchasing new programmes and softwares, in addition to the following objective:

1-finding out the relationship between applying and using the modern technology which represents the cloud computing and the quality of accounting informations with the financial reports.

2-introducing recommendations to developed the standards of international financial reports in order to be relevant to this modern technology, and imposing the rules and foundations which govern the procedures and behavior of this technology in order to achieve the quality of accounting informations with the financial report.

3-Stadying the general frame of applying cloud computing with the most important advantages and risks of various kinds as procedural gaps, material and human risks which may face and challenge the organization especially in the field of accountancy.

LITERATURE REVIEW

There are many previous studies addressed this subject whether they are related to using the cloud computing system as a modern method in the field of business or related to the relationship between cloud computing and other variables just as the information systems and accountancy field, and here are some of them.

study of (Kraimeh,Dina,2020) "The impact to using cloud computing upon the quality of accounting informations with its reflection upon developing the standards of international finical Report"

This study aimed to review the impact of using cloud computing upon the quality of accounting informations and the standards of international financial reports.

- and to achieve, this goal, the researcher used the analytical descriptive method to shed alight and review those previous, researchs, books and other relevant studies, then she used the investigation method by developing a question aire list to collect the data from study society and analyze it to get certain results just as:

1-There is an evidence that the cloud computing has a positive impact upon the quality of accounting informations.

2-The study showed that there is a need to develop accounting standards to manage the risks resulted from the gaps of procedure and security gaps in addition to material and human risks.

According to these results the study recommended certain recommendations as following:

1- it's necessary to update the laws and rules in order to organize the work between the computing service companies and the users of this technology.

2- it's necessary to develop the standards of intentional accounting reports in order to solve the problems of applying cloud computing in the organizations.

3- it's necessary to conduct training courses for the staff with the whole workers in the organization in order to let them know everything about cloud computing.

Amin Bin saeed,et.al (2018) "The future of accounting information systems under cloud computing technology"

This study aimed at shedding light upon the importance of information technology on developing the work of organizations under the cloud computing as a new version to manage the informations in addition to explain the impact of cloud computing upon the accounting informations systems.

to achieve these objectives the researchers used the analytical descriptive method to review and shed light upon the previous researchs, books, and other issues which addressed this topic.

In addition they used the theoretical method and limited their study to this method by reviewing the files and records of the group of companies choosed randomly to represent the whole companies which are expected to use this new methodology so they built their study upon showing the benefits of using the cloud accounting and the risks accompanied it's applying.

Depending on the data had been collected, the researchers found out many results and condusions and here the Important them:

- The cloud computing techniaive still in the first stage of its application.
- The study showed that the cloud computing would helps in developing the accounting information systems, because the service providors invest more money and

big resources to provide the best service in competitive environment which would make these services characterized by quality, developing, ease of using and the little costs.

According to these results, the researchers introduced their recommendations as follows:

- All the organizations of different kinds and activities must turn into using the cloud computing in the operation of developing the current accounting system and restructuring it on technological bases.
- The small and medium organizations must depend thoroughly upon the cloud computing with its programmes in order to develop their activities.

study of (Alzoubi, A., (2017) "The effect of cloud computing on elements of accounting information system"

This study aimed at expressing the impact of cloud computing applying upon the elements of accounting information system with all its sides and aspects whether it represents material possibility and devices or it was financial reports and accounting operations in order to determine its impact upon the accounting informations in the companies.

To achieve these objectives the researcher used the analytical descriptive method by reviewing and shedding a light on the previous studies, books and researches.

But the researcher limited the study to the theoretical methodology to review the files and records of the companies chosen randomly. Then the researcher concluded the study results which referred that the applying of cloud computing resulted in improving the operational performance of accounting operations, and its application will lead to non-required to big material capabilities just as building area and equipment's, and also no need to a large number of employees or programmes, soft wares and equipment's.

But the researcher did not mention any of recommendations.

study of Abdulmageed, (2020) "The impact of applying the standards of international financial reports upon the quality and benefits of accounting informations in Egyptian stock exchange market"

to achieve the objectives of this study, he used the analytical descriptive method by shedding a light and review the previous research's, books, and other references in order to support his study then he used the investigative method by developing the questionnaire and distributed the copies through a group of stock exchange companies and collected his data and tested the hypothesis then he reached to certain results that refer to the fact that applying the

standards of international reports would impact positively on the quality and benefits of accounting informations in forecasting the securities prices after applying these standards.

But there are no recommendations have been provided by the researcher.

study of(Abo obailah(2020) ”The impact of using the cloud accounting upon the quality of accounting information in the hospitals of Jordanian royal medical services”

This study aimed to know about the impact of cloud accounting system on improving the quality of accounting information in hospitals of royal medical services.

To achieve these objectives, the researcher used the analytical descriptive method to review the previous. Studies, books and research’s to support his study, and he used the investigative method by developing a questionnaire list consisted of sixty four statements divided in two scopes, first designed for measuring the cloud accounting system, and the second is for measuring the quality of accounting information in the hospitals, Then, the researcher collected his data from the questionnaire list and tested the hypothesis statistically, by using multiple regression .Then the researcher concluded certain results, and here are the important from them.

- The system of cloud accounting which is used in the hospitals of royal medical services is distinguished with high level of (credibility, safety, flexibility, and ease of reaching the data) and the accounting information in these hospitals are distinguished also by a high level of quality because of availability of (reliability and relevance features and with the qualitative characteristics of accounting information).
- There is a positive impact of cloud accounting system on the quality of accounting information in these hospitals.

According the conclusions resulted from collected data, the researcher introduced his recommendations and here are the most important from them:

- It’s necessary to spread enough awareness in the health institutions in the importance of applying the cloud accounting, and to issue the necessary legislations to protect the confidentiality of accounting informations and not to violate the records or reaching them by un legel users.

What Distinguishes This Study

Most of the previous studies addressed the subject of cloud accounting system and technology with its relationship with the information systems and accounting reports.

But this study added to these studies other dimensions by show the impact upon developing the standards of financial reports in order to solve the problems and manage the risks accompanied the computing applying.

- it's necessary to hold training courses for the workers in applying the cloud computing in both of provider companies and users of the service, in order to avoid the risks related to applying the new system.
- it's necessary to issue the regulations and ligislotions needed to safeguard and protect the confidentiality of accounting information and not to breach them or selling them or reaching them by persons not allowed to do

METHODOLOGY

Study Hypothesis

This study depends on developing certain hypothesis in achieving its objectives which is represented in the possibility of applying cloud computing as an information and using the cloud computing as a modern informations system appeared recently, and showing the positive aspects of this Technology and here are the suggested hypothesis.

H1- There is no any clear relationship between cloud computing application and the quality of accounting informations.

H2-There is no any clear relationship between the application of cloud computing and the need of developing the standards of financial reporting.

From this main hypothesis, there are sub hypothesis branched as follows:

H2-A-The risks that result from security and procedural gaps don't need the development of international standards of financial reports.

H2-B- The material risks don't need to develop the standards of the international financial reports.

H3- c- The human risks don't need to develop the international standare of financial reports.

Study Methodology

In order to achieve the objectives of this study, the researcher uses the analytical descriptive method by reviewing the topics, research's and books with other previous studies and issues, in order to support his study.

He also used the applied method, and the study is limited to the theoretical aspect by shedding a light on the companies, files and records to collect the data and by conducting personal interviews in Jordanian corporations.

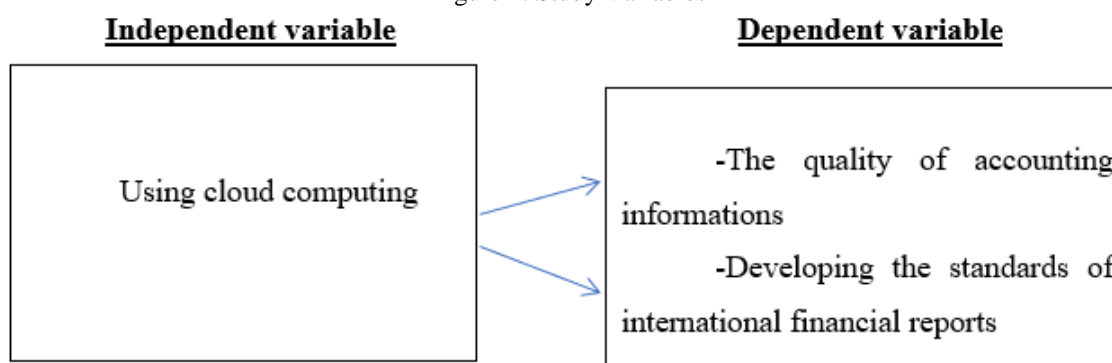
Study Society

The society of this study is consisted of Jordanian corporations listed in Amman stock exchange market, and the researcher choosed the sample randomly consisted of a group of companies represent the whole Jordanian corporations.

Study Variables

The title of the study is consisted , of two variables, the first one is called independent variable and refers to the using of cloud computing, but the second is the dependent variable and is consisted of two components: one is the quality of accounting information and the other is the developing the standards of international financial reports. As shown in the following diagram

Figure 1: Study Variables



Source: prepared by the researcher.

Procedural Definitions

1- cloud computing: is one of the technological aspects depends on conveying the treatment and storage available in the computer to a saving device, called” cloud computing” which can be reached by internet every time and everywhere, and specifically it is consisted of a group of services available in data centers in order to serve all kinds of users (individuals, and organizations) unlike what the traditional computing need of all data and programs, with applications which the user establishes in his own devices.

Accordingly, the users don't need to store their data in their own devices, and no need to. Various complicated programs (Kraimeh, Dina Abdulaleem,2021).

2- computerized accounting information system: This system can be defined as one of the administrative organizations, components, which is specialized in collecting, classifying, treatment, analyzing and communicating the quantitative and financial informations to make decisions to the internal and external parties.

But the computerized accounting information systems, as applying and using the information technology in treating, producing, and communicating the informations to their customers, so they are consisted of a group of compositions of hardware's and software's with data which work to gather in order to record, treat, and storing the data regularly to control the informational procedures in the organization.(Amin Ben Saeed and others,2018).

The Concept of Cloud Computing Technology

Cloud is an expression used preliminary to refer to internet as a scheme of networks which is defined as a cloud used to represent data transmission from data centers to its final location in the other side of the cloud.

The cloud computing is a thought came into view in the middle of past century, but it was not known well until the beginning of this century, when it appeared again as one of the computing called "cloud computing" in which the computing resources techniques introduced as services allow the users reach it through the internet(cloud) without any need to have a knowledge or an experience to deal with it so the cloud computing known as a comprehensive concept includes the soft wares as a service, with other modern instructions in the world of technology which participate in the idea of depending upon the internet to meet the needs of computing to the users.

Cloud Computing Concept

Cloud computing is a kind of technology depends upon transferring the treatment and the storage area belongs the computer to the "cloud" which is a device of serving that could be reached by internet.

So the programs of information technology are converted from products to services, and the infrastructure of the cloud computing depends on developed data centers which provide a large storage area for the users and it spares some softwares as services to the users depending upon the possibilities saved by website. Technology(kraimeh,2021).

Cloud computing also defined as an idiom or, term refers to the sources and systems of computing available under demand throughout the network and which can secure the computing services from data storage areas with backing up in order to facilitate the operation for the users also it's defined as a group of systems consisted of connected computers, introducing and offering services on agreement between the users and the provider (Al-Awamreh, 2020).

But national center of standards and technology defined the "cloud" as a sample provides the suitable and permanent reaching to the network at any time with participating a large group of computing resources, which could be distributed and saving them with little efforts of interact with the service provider (Khanom.T,2017).

Therefore cloud computing works without any need for storing any of the user's data in his own devices and no need for various or complicated programs, but he may need some of them only so whatever is used or happened from operations or programs and reaching to his files and stored data in computers through far networks, therefore information technological programs converted form production into services, and the infrastructure of the cloud computing depends upon developed centers of data which provide large storing area as for users, and it spare some programs as services for users at any time (Amin Ben saeed, et, al, 2018).

Finally, cloud computing was defined by national institute of standards and technology (NIST, 2011) as a group of mutual resources which depend on internet just like areas of storage with applications and networks which don't need much efforts by the provider of this service.

The institute designed some of properties which must be available for the company as a provider of cloud computing services that represent the following:

- The possibility of getting the services by the user at any time without any interfering by others.
- The quick reach of the service by using the ordinary internet line.
- The capability of cloud environment to enlarge in order to meet the needs of the users.
- The low costs with the high flexibility.
- The possibility of measuring the rendered service quantitatively, just like measuring the service by time term.
- Therefore the cloud computing considered as new developing computer services at any time by using the security connected computer devices.

So it's a computing system depend on internet through which the user benefits from all applications and services without any interfere from the user when managing and maintaining them(Kraimeh,2021).

Cloud Computing Origin and Development

Cloud Computing is not considered as a new idea, but it dates back to the sixties of the last century as a thought of the scientist(John makarthy) who was forecasting that “computing may be organized to become a common service in the coming days”.

He saw that the technology of time sharing could lead to a future in which the energy computing or the applications could be sold as a service through commercial or business model.

So this idea enjoyed a great popularity in the end of the sixties, but it vanished in the seventies of that century due to more technological difficulties.

But the idea came back finally to become a common idiom in the technological departments and establishments nowadays(Hamed,et,al2017).

But at the beginning of the year 2000, through Google company, and in 2007 through introducing a quantity of packages and applications after then, “Nebula” made a program, who presented a number of could computing services freely without any charges.

Then microsoft company presented office program and with apple company which launched its cloud computing in the year of 2011.(Khanom, T,2017)

Finally, cloud computing became one of the computing techniques, in which the computing resources are introduced as services, and the users can reach to it through internet(cloud)with no need to own the Knowledge or even control the infrastructure which support these services

in addition, cloud computing could be considered as a common concept contains the soft wares as a service with other modern trends in the technology world which participates in the idea of depending on the internet to meet the users, computing needs (Klue,2016).

Cloud Computing Advantages and Disadvantages

There are many advantages of cloud computing which could be classified into two groups(Alzoubi,za,2017)

First: level of performance which is consisted from many advantages as:

- The user can deal with his files and applications which contains all the accounting data and information's through the cloud without any need for using his own device.
- The accounting information's could be available through the financial reports very quickly to ensure accurate decision making in the relevant time.
- It causes a high level of performance due to never loading the accounting programs and data files in the private computers, and the user never be late in receiving the service because of using his own computers.
- Cloud computing allows the user to reach his data files and accounting information from any place and loading them on the users, personal accounting, which would help in analyzing the financial information's which are necessary for investment decision making.

Secondly: The cost level which clearly shows:

- Saving much cost need for publishing programs so what all the user needs is a computer connected with internet line.
- There is no need to purchase expensive equipment's for using the cloud computing, so all the treatment operations and running the applications and reconciliations with preparing the account all of them will happen in side the cloud(Kraimeh,2021).
- Cloud computing would reduce the costs of infrastructure of information technology with reducing the costs of maintenance gratefully with no matter how many hardwares or programs available in the company.
- Reducing the costs of updating the programs with no matter was the size of stored accounting information's, or the information's. Available in the financial reports, because all the programs would be updated auto automatically.

But(Amin Ben Saeed,2018) mentioned some advantages as following:

- It represents a mechanism to keep and store a permanent information's in computers connected to internet. In addition to temporary storing and keeping in the end devices which are connected with them.
- It allows to provide guaranteed and cheap loading on the end devices connected with them.

- Enables the user to secure access to the devices and get benefit form huge servers in proceeding complicated operations which need devices with high specifications, even though the user has no enough experience.
- Cloud computing is considered as one of the most important advanced technologies which respect the environment as a friend, as the increment in the age of the servers through continuing using them even though they became old. As long as it's subject to regular maintenance results in reducing the ratio of consumable electronic parts, which are specified as one of the most environ mental contamination if it is not spelled correctly.

In addition, the long hypothetical age of these devices means sparing more energy which is needed to produce new servers.

- Finally, cloud computing provides a creative model for organizations to use the applications of programs, in addition to the great storage capabilities with the treatment of the cloud with any investment in the basic infrastructure(Andraws,2016).

Disadvantages and Risks of Cloud Computing

In spite of its advantages and properties, but it may faces many drawbacks and risks, which would be classified into four risk groups as follows:

First: risks related to material capabilities, which represent:

- The weakness and slow of internet, so the disconnection of internet without any alternative cause failure to perform the required service in certain applications which need connecting with internet.

Also the slaw of internet especially in the developing countries would hinder providing the necessary information to decision making in the relevant time.

- Cloud applications deficiency, where some applications still on it's limited level, and it wouldn't cover all the procedures, settlements and the accounting operations.
- There is a lack of technological infrastructure that would help companies to identify the accounting services needed from cloud computing.
- There is a lack of measurements to help the company that uses the applications to control the risks of using the cloud computing as the risks of distorsing information's and data which are included in the financial statements and reports or impersonate the beneficiary.

Secondly: risks related to legislations and laws which represent:

- Risks of lack of laws and regulations or accounting standards which identify the terms of the contractive procedure between the users and the company which provide the cloud computing.
- Risks of lack of laws or accounting standards which determine the extent of the commitment of the two parties, both of the company used the service and the company provided it in the contractive procedure.
- Risks of lack of laws or standards of protecting intellectual property of accounting data and informations of the company using the service.

Third: Risks belonging the procedural loopholes or gaps:

they mean the loopholes which happened when dealing with the cloud computing, and this will result in the insecurity and privacy of the data will increase the risks as:

- when the user puts all his information and accounting files and records in the company providing services may be subjected to penetration, or the provider may sell the information to others or get benefit from them anyway.
- The user may not know the place where he keeps his information's and confidential accounting information and the user may keep it in a sarver of hostile country, but this matter must be controlled by the service provider.
- Omitting or deleting the files and records which contain accounting information by the user due to certain virus, so it may not found on the server after deleting, and these informations must be kept in privacy.
- failure to protect intelectual property rights, therefore there are no guarantees of not violate these rights, or after reaching to the financial information.
- failure to control the records and accounting information's be long the user, because all of these information's became under the control of service provider and he knows the password.

Fourth: risks belong the scientific and professional qualifications of the work team:

- Risks of knowledge and integration, where using the cloud need the knowledge of great technology and experience of dealing with the soft wares by the users, in addition to accounting experience in recording and preparing the financial reports.
- Risks caused by intering the accounting data and the numbers of the financial statements wrongly in the applications of cloud computing.
- Risks resulted from the lack of programs of qualifying and training the workers and users to prepare accounting data and analyzing them with preparing the needed

financial reports by using the cloud computing and in this regard an organization of cloud security alliance came up in 2013 which aims to provide the best practices to ensure saving safety in side cloud computing network.

The organization indicated to the most famous risks which face the cloud computing, and here are the most important of them:

- Leakage of confidential information to competetors.
- Data loss because of mistakes committed by service provider or because of data breaching mis using the services of cloud computing, therefore the availability of cloud computing services to get some services against few amounts, and this will encourage the others to exploit the matter in an improper way.
- Incompetence and carelessness in using.

The cloud computing system, and without understanding(Alzoubi,2017)

- the whole cloud capabilities with dificiancy of security systems from all these expressions regarding the evaluation of cloud computing application in the field of accountancy, the researcher can point out that the cloud computing application is considered as a great transference or major shift in the field of accountancy from the side of the control of the devices and software. Resources and the control on the data and applications, in addition to the effective using of the devices without any need to purchase any other hardwares or softwares, and this will result in reducing the costs of updating or maintaining the softwares, in addition, the important information's can be kept on company's website.

But in spite of all these benefits, there are many and various risks resulted from applying cloud computing in the field of accountancy, even though they are related to material capabilities, or risks of unavailable laws and legislations to control these applications, or the risks of security and information confidentiality due to certain procedural gaps in applying the system or risks require the availability and development of standards to prepare the financial reports to cover all there risks and tighten control on the companies which are providers or users when applying the cloud computing and not leave the scope opened without binding rules and legislations.

Kinds of Cloud Computing

There are three kinds of cloud computing:

- 1-Public cloud: it indicates to the whole of infrastructure

- available with the provider of cloud computing service, and the company can't reach it physically.

It represents an infrastructure which provides computing resources of the internet for many customers, and usually the customers, applications are mixed to gather upon the cloud servers, so in cloud storage services, the service provider designs a certain software, and every customer has his own advantages through his membership, as a storage area, and the customers participate in the same server and storage area, and the provider separates in formations of every customer in a safe way.

2-private cloud computing:

It represents an infrastructure that is rented by a single customer, and it works for his own account under his full control on the data and information security, so he can shift his local network, servers and others to a certain external place, and it is usually a data center, and in this case the responsibility of this center is to secure your devices and keeping them safety and to be ensure that they are always connected to the network in order to allow you reach to it always, and all what you need is to connect to internet.

3-Hybrid cloud computing combines samples of common and private clouds.

Hybrid cloud shows the complex process to determine how to distribute the applications through both of private and common cloud.

This kind of cloud computing allows the possibility of data and applications participating between the two kinds of cloud.

That means, you can employ one of the soft wares on a common cloud and the other part upon a infrastructure with the resources, in addition to increase the capability of computing.

Cloud Computing and the Quality of Accounting Informations

financial reports are considered as the final production of accountancy profession and used as a means of communicating information to the users whether it represent financial statements or attached reports, which are additional reports prepared by the organization, optionally or based on accounting recommendations from professional organizations to meet certain conditions or arranging certain cases generally.

The financial reports aim at:

- Providing the information needed to make economic and commercial decisions of the internal and external users.

- Providing clear information to help the investors and creditors to predict the cash flow of the company.
- Providing information related to economic resources and with claims on these resources.

The Concept of Accounting Information and Financial Reports

- The financial reports are considered as the most used forms to present accounting informations to the users, therefore they are communicating tool between the accounting information and the users, hence the reactivity of information system is related to the quality of reports and it's suitability for users, and the accounting information must lead to the following:
 - connecting the primary and subsidiary goals by tools of their means and tools of their achieving which represent the financial reports.
 - The possibility of evaluating the performance of the organization from the side of the users through presenting and analyzing the results of the activities in the financial reports.

This would confirm that the quality of accounting information will only be achieved by achieving quality of financial reports, where the accounting information quality which included in the financial reports are considered the most important pillars which may depend on them to evaluate the extent of the effectiveness and efficiency of the accounting system in the company (Azar, mzakria-z (2019)).

The Impact of Cloud Computing Upon the Specific Characteristics of Accounting Information, Quality

There are many characteristics, which measure the quality of accounting information whether it is related to the decision making or to the accounting information itself (Blodstein, e (2020))

So, the researcher tries to distinguish between the two characteristics:

- Characteristics related to the decision makers According to these characteristics, the decision maker must have the ability of understanding the information content with the best using of them in the relevant decision and he must have a wide experience in dealing with different kinds of accounting information so the researcher sees that applying the cloud computing and with the risks resulted from it shed light upon the

importance of the practical qualifying of the work team, and it's very necessary to them to have an accounting capabilities, in addition to their capabilities in dealing with the technologies related to using and loading the information on the cloud and retrieving with analyzing the information with other skills, in spite that applying the cloud computing itself reduced the depending on the human element, because most of the accounting practices could be done through the cloud.

- specific characteristics of accounting information.

The quality of accounting information could be judged correctly, if it has two basic characteristics, which are convenience and reliability:

1-convenience: The information is described as a relevant if it made a change in the user's decision, and if it has the relevant time in order not to loose its impact upon the decision making.

- The ability to predict the future.
- The reverse feed, that means the ability to change and correct the ordinary expectations.

2-credibility: that means the possibility of relying on the information, that would be the basis for decision making, and these informations.

- informations to be described with the credibility it must be described as: neutral and impartial so every user can get the same benefit.
- The ability to validate, so the dependence of the users on the same methods of accounting measurements result in the same results.

The Role of Accounting Professional Organizations in Evaluating the Best Practices Under the Cloud Computing System

Several attempts have been proceeded by the professional organizations(Alaryani,2017)

In 2012 the American institute(AICPA) presented technologically the best practices technologically which must be followed by the companies using the cloud computing to obtain the best out comes which represent financial reports, that contains very high quality and credibility, and here are the steps:

- Setting up best infrastructure to obtain the highest level of cloud service.
- Dealing with wired and wireless devices to ensure the effectiveness of operating.
- Depending upon aids to replace the paper documents.

- Relying on documentary management systems to maximize the efficiency of digital records of data and accounting information.
- owning modern programs to prepare accounting trial balance with various accounting reports.
- making the company's website available for all the customers, where they can reach it through their accounts
- introducing good system of cloud and accounting information
- providing control system to ensure safety and the speed of providing information

The second organization is the financial accounting standards board (FASB):

This organization focused the report no.15 which was issued in 2018 and updated in 2020 upon providing the best practices of the company using cloud computing-in the scope of reducing the costs with other advantages of cloud service.

so the organization(FASB) focuses on two kinds of cost which are purchasing the assets connected to the cloud computing or purchasing assets connected to the cloud computing or purchasing the service itself.(Goldstein.2020)

But the report doesn't refer to the accounting applying the computing generally, but it indicated that applying the cloud computing in the field of accounting contribute significantly in improving the financial reports due to standardize programs of preparing the financial statements and reports among the companies, and that is reflexed upon the quality and credibility accounting information of the companies.

RESULTS AND DISCUSSION

This part of study represents the empirical part which supports the objectives by discussing the impact of cloud accounting upon the quality of accounting informations and its reflex on developing the standards of international financial reports.

The researcher tries to support the theoretical results of the impact of applying the cloud computing upon the quality of accounting informations with concentration on the importance of developing the standards of international financial reports.

So This Empirical Study Aims At

- studying impact of applying the cloud computing on the quality of accounting information with the financial reports.

- studying the impact of applying the cloud computing with its accompanied risks upon the importance of developing the standards of preparing the financial reports, and from this objective there are sub objectives branched from the main objective as:
A- studying the impact of security and procedural risks under the cloud computing upon the development of standards of preparing financial reports.
B- studying the impact of material risks and with human risks under the cloud computing upon the development of the standards of preparing the financial reports.

CONCLUSION

The researcher choosed his study society from Jordanian corporations which are expected to use the methodology of cloud computing and he choosed his study sample from a group of corporations randomly to represent the whole companies, and proceeded his empirical study by making certain interviews with the financial managers, accountants, and other specialists, in addition to reviewing the files and records in these companies so the researcher limited to theoretical methodology. And found out certain results and conclusions as follows:

- Applying the cloud computing has a positive impact upon the quality and credibility of accounting informations.
- There are different risks resulted from misusing the cloud computing and need developing the standards of preparing financial reports such as risks of security and contractual gaps and misunderstanding with human risks which accompanied the applying of cloud computing.
- There is no any negative impact of material risks when applying the cloud computing lead to develop the standards of international financial reports depending on the conclusion resulted from the study, the researcher provided certain recommendations, and here are some of them:
• The standing and permanent committee of accounting standards, and with code of conduct attached them must concern and take care of risks related to applying the cloud computing in the accountancy field.
- It is necessary to up data the needed issues and regulations to organize the work between the company which provides the service and the company uses this service wether it is from the side of contractual procedures or the control procedures which are needed in the case of breaching the contract terms.

- It is necessary to hold training courses for the workers in applying the cloud computing in both of providers and users of the service, in order to avoid the risks related to applying the new system.
- It is necessary to issue the regulations and legislations needed to safe guard and protect the confidentiality of accounting information and not to breach them or sell them or reaching them by un legal persons, or not allowed to do.

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