

DOI: [https://doi.org/10.18371/fp.3\(43\).2021.677680](https://doi.org/10.18371/fp.3(43).2021.677680)

JEL Classification: M42, F1

BUILDING A SYSTEM OF ANALYSIS OF E-BUSINESS SUBJECTS BASED ON THE USE OF CLOUD TECHNOLOGIES

LAKIZA Viktoriia*Ph.D in Economics, Associate Professor**of the Department of Management and International Business,**Institute of Economics and Management of Lviv Polytechnic National University**ORCID ID: <https://orcid.org/0000-0002-6764-8536>*

Abstract. *The relevance of the use of digital technologies, approaches in defining the categories of "cloud technologies", "accounting and analytical support" are studied. The types of cloud services are identified, the requirements for analytical information are systematized, the list of tasks for accounting and analytical systems of e-business entities, alternatives to their use of cloud technologies.*

Keywords: *cloud technologies, analytics system, e-commerce, e-business entities.*

Under the conditions of total globalization of the economy, the transition of business entities to European and world standards, the use of information computer technology becomes extremely important, based on which there is an opportunity to increase the efficiency of their activities in the liberalization of the economic space. The use of the latest Internet technologies in all areas of traditional and e-business is becoming increasingly important, as it allows businesses to be adaptable and flexible, while optimizing costs and avoiding problems of overproduction during periods of economic downturn and shortages during the intensification of business activity.

The object of research is the systems of analytics of e-business entities based on the use of cloud technologies. The subject of the study is to assess the

prospects for the development of analytics systems for e-business entities based on the use of cloud technologies. The purpose of the study is to study the system of analytics of e-business entities based on the use of cloud technologies. The task of the article is to study the prospects for the use of cloud technologies in the systems of analysis of e-business entities, to determine their impact on the results of e-business.

The article examines the interpretation of modern scientists of the concept of "accounting and analytical system", offers its own understanding of this category. The specifics of the formation of accounting and analytical systems of e-business entities are considered, statistical material on the dynamics of the market of cloud technologies for the period 2015-2021 is developed, forecasts of the development of the cloud solutions

industry are given. The market of domestic and international providers is studied, variants of operation of cloud technologies are offered, the positive and negative sides of application of cloud technologies are generalized.

The practical use of the latest technologies in e-business plays an

extremely important role, as it can significantly improve the reliability, quality of work of all users of cloud services, optimize the cost of creating and maintaining services, increase business efficiency with a balanced approach to available resources.

References

1. Aleksandrova, M. A. (2014). Vykorystannia khmarnykh tekhnolohii u biznesi ta pobudova modeli perekhodu do nykh [The use of cloud technologies in business and building a model of transition to them]. *Visnyk Natsionalnoho tekhnichnoho universytetu "KhPI": zbirnyk naukovykh prats. Tematychnyi vypusk: Aktualni problemy upravlinnia ta finansovo-hospodarskoi diialnosti pidpriemstva- Thematic issue: Actual problems of management and financial and economic activity of the enterprise*, 66 (1108), 3-6. [In Ukrainian].
2. Volot, O. I. (2019). Zastosuvannia khmarnykh tekhnolohii v obliku ta upravlinni pidpriemstvamy realnoho sektoru ekonomiky [Application of cloud technologies in accounting and management of enterprises of the real sector of the economy]. *Tsentralkoukrainskyi naukovyi visnyk. Ekonomichni nauky- Central Ukrainian Scientific Bulletin. Economic sciences*, 2(35), 190-198 [in Ukrainian].
3. Shcho take khmarni tekhnolohii i navishcho vony potribni [What are cloud technologies and why they are needed]. edin.ua. Retrieved from: <https://edin.ua/shho-take-xmarni-texnologi%D1%97-i-navishho-voni-potribni/> [in Ukrainian].
4. Korol, S.Ya. & Klochko A. (2020). Tekhnolohii v obliku y audyti [Technologies in accounting and auditing]. *Derzhava ta rehiony. Serii: Ekonomika ta pidpriemnytstvo- State and regions. Series: Economics and Entrepreneurship*, 1 (112), 170-176 [in Ukrainian].
5. Hafiak, A.M. (2018). IT-tekh nolohii ta biznes-analytyka [IT technologies and business analytics]. *Ekonomika i suspilstvo- Economy and society*, 15, 933-937 [in Ukrainian].
6. Shtanhret, A. M. (2015). Oblikovo-analitychne zabezpechennia upravlinnia ekonomichnoiu bezpekoiu pidpriemstva [Accounting and analytical support of economic security management of the enterprise]. *Visnyk asotsiatsii doktoriv filosofii Ukrainy- Bulletin of the Association of Doctors of Philosophy of Ukraine*, 1.

Retrieved from <http://aphd.ua/publication-31> [in Ukrainian].

7. Hudzynskyi, O. D., Kireitsev, H. H. & Pakhomova T. M. (2008). Teoretychni aspekty formuvannia oblikovo-analitychnoho mekhanizmu menedzhmentu [Theoretical aspects of the formation of accounting and analytical management mechanism]. *Oblik i finansy ahropromyslovoho kompleksu- Accounting and finance of the agro-industrial complex*, 3, 89–93 [in Ukrainian].

8. Titarenko, Gh. B. & Korinjko, M. D. (2010). Metodychni pidkhody dlja pobudovy oblikovo-analitychnoji systemy z vykorystannjam ekspertnykh ocinok [Methodical approaches for building an accounting and analytical system using expert assessments]. *Oblik i finansy ahropromyslovoho kompleksu- Accounting and finance of the agro-industrial complex*, 4, 66-69 [in Ukrainian].

9. Sadovsjka, I. B. Oblikovo-informacijne zabezpechennja upravlinsjkogho analizu [Accounting and information support of management analysis]. *Visnyk NU «Lvivjsjka politehnika»: «Menedzhment ta pidpryjemnyctvo v Ukrajinii: etapy stanovlennja i problemy rozvytku» - Bulletin of Lviv Polytechnic National University: "Management and Entrepreneurship in Ukraine: Stages of Formation and Problems of Development"*, 647, 498–503 [in Ukrainian].

10. Karlbergh, K. (2013). *Byznes-analyz s yspoljzovanyem Excel. Reshenye byznes-zadach [Business analysis using Excel. Solving business problems]*. Moskva: «Vyljjams» [in Russia].

11. Khmarni tekhnologhiji pidvyshhujutj efektyvnistj roboty ta dopomaghajutj zmenshyty vytraty [Good technology to improve the efficiency of the robot and to help to change the VALUE of STAINLESS]. cloudfresh.com. Retrieved from: <https://cloudfresh.com/ua/cloud-blog/hmarni-tehnologij-pidvyshhuyut-efektyvnist-roboty-ta-dopomagayut-zmenshyty-vytraty/> [in Ukrainian].

12. Jaku 1S vybraty: v khmari chy lokaljnu? [Which 1C to choose: in the cloud or local] golossokal.com.ua. Retrieved from: <https://golossokal.com.ua/cikavo/yaku-1s-vybraty-vkhmari-chy-lokal-nu.html> [in Ukrainian].

13. Rynok khmarnykh servisiv v Ukrajinii v 2020 roci [Cloud services market in Ukraine in 2020] ua.interfax.com.ua. Retrieved from: <https://ua.interfax.com.ua/news/blog/708733.html.html> [in Ukrainian].

14. Kobjeljev, V. M. & Kuchma, V. D. (2017). Vykorystannja khmarnykh tekhnologhij v marketynghu ta elektronnij komerciji [Use of cloud technologies in marketing and e-commerce]. *Visnyk Nacionaljnogho tekhnichnogho universytetu "KhPI". Seri: Ekonomichni nauky- Bulletin of the National Technical University*

"KhPI". Series: *Economic Sciences*, 24 (1246), 35-39 [in Ukrainian].

15. Gartner. [www.gartner.com.
https://www.gartner.com/
en/industries/high-tech](https://www.gartner.com/en/industries/high-tech) Retrieved from:
[in Ukrainian].