
SEAMLESS MIGRATION TO A NEW VERSION OF A CRM SYSTEM BY MEANS OF EMPLOYING ARIS SOFTWARE METHODOLOGY AND NOTATIONS

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Abstract

Today, when the connection between information technology and business processes is growing closer, the impact of business process modelling has significantly increased, meaning that it is more and more often considered to be a yet another aspect of business management. In this case, the basic objective of business process modelling is to describe actual progress of the business processes in a company. A large number of means for describing business processes is present on today's market, for instance, CRM (Customer Relationship Management) software applications. The authors consider the architectural methodology of the ARIS integrated information systems and the principles behind the problems that this system can help to solve, using a specific problem of migrating to a new CRM version as an example.

Keywords

Analysis, interface, information space, scalability, efficiency, modeling, business process, ARIS, process migration, IDEF0 model, CRM

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References

- [1] Scheer A.-W. *Biznes-protsessy. Osnovnye ponyatiya. Teoriya. Metody [Business processes. Basic concepts. Theory. Methods]*. Moscow, Vest' – Metatehnologii Publ., 1999. 114 p.
- [2] ARIS Express. Perfect tool for occasional users and beginners in Business Process Management. Free of charge. Available at: <http://www.ariscommunity.com/arис-express> (accessed 12.10.2017).
- [3] Repin V.V., Eliferov V.G. *Protsessnyy podkhod k upravleniyu. Modelirovaniye biznes-protsessov [Process approach to management. Modeling of business processes]*. Moscow, Mann, Ivanov i Ferber Publ., 2013. 544 p.
- [4] Tsikl stately na sayte "Intuit". Available at: <http://www.intuit.ru/studies/> (accessed 12.10.2017).
- [5] Kamennova M., Gromov A., Ferapontov M., Shmatalyuk A. *Modelirovaniye biznesa [Business modeling]*. Moscow, Vest' – MetaTekhnologiya Publ., 2000. 327 p.
- [6] Repin V.V., Maklakov S.V. *ARIS Toolset / BPwin: vybor za analitikom [ARIS Toolset / BPwin: choice for the analyst]*. Komp'yuter Press, 2002, no. 1.
- [7] Il'in V.V. *Modelirovaniye biznes-protsessov. Prakticheskiy opyt razrabotchika [Business processes modelling: developer's practical experience]*. Moscow, Vil'yams Publ., 2006. 166 p.

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- [8] Tsikl stately na resurse “Khabrakhabr”. Available at: <https://habrahabr.ru/hub> (accessed 09.11.2017).
 - [9] Scheer A.-W. Instrumentariy ARIS. Metody [The ARIS tool and *methodology*]. Moscow, Vest'-Metatekhnologii Publ., 2000. 228 p.
 - [10] Voynov I.V., Pudovkina S.G., Telegin A.I. Modelirovanie ekonomicheskikh sistem i protsessov. Opyt postroeniya ARIS-modeley [Modeling of economic systems and processes. Experience of creation of ARIS models]. Chelyabinsk, YuUrGU Publ., 2002. 392 p.

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