Asset Management based on Internet of Things

International Journal of Computer Applications
Foundation of Computer Science (FCS), NY, USA

Volume 137
Number 10

Year of Publication: 2016

Authors:
Sanam Kadge, Chaudhary Hasan Ahmed, Abdul Qadir Zilani, Yash Jain

10.5120/ijca2016908906
{bibtex}2016908906.bib{/bibtex}

Abstract

Though IT industry is rapidly growing with the use of recent technologies, IT assets management is semi-automated and unmanaged. Lots of research is carried on and existing asset management software have become intelligent by integrating it with AI (artificial intelligence) but as manual operation is required to manage the system it leads to poor efficiency and security for small and medium enterprise. It can be solved using self-management. IoT provides solution by enabling the design and development of Systems that can adapt themselves to meet the requirements without manual intervention. Internet of Things is the scenario where billions of devices and objects are being embedded with sensors and chips. As these devices gain the ability to communicate using the IoT, the resulting information networks deliver an exponential increase in insight about customer behavior. Organizations can use this insight to create new operating and business models, improve business processes and reduce costs, strengthen security and manage risk, and manage the change that comes with a dynamic environment. When you capitalize upon the insight-rich data
that is generated by the Internet of Things, you can address customer service in a manner that has not been possible before and hence is transformative.

References

3. Nasui, D. Sgarciu.V.Cernian, A., "Cloud-based application development platform for secure, intelligent, interlinked and interactive infrastructure," Applied Computational Intelligence and Informatics (SACI), 2013
10. https://internetofthings.ibmcloud.com/#/.
http://conferencestheiet.org/asset .

Index Terms

Computer Science

Information Sciences
Keywords

Asset management, Internet of Things (IoT), Cloud computing.