

Accelerating the Uptake of Smart City Applications through Cloud Computing

Authors : Panagiotis Tsarchopoulos, Nicos Komninos, Christina Kakderi

Abstract : Smart cities are high on the political agenda around the globe. However, planning smart cities and deploying applications dealing with the complex problems of the urban environment is a very challenging task that is difficult to be undertaken solely by the cities. We argue that the uptake of smart city strategies is facilitated, first, through the development of smart city application repositories allowing re-use of already developed and tested software, and, second, through cloud computing which disengages city authorities from any resource constraints, technical or financial, and has a higher impact and greater effect at the city level. The combination of these two solutions allows city governments and municipalities to select and deploy a large number of applications dedicated to different city functions, which collectively could create a multiplier effect with a greater impact on the urban environment.

Keywords : smart cities, applications, cloud computing, migration to the cloud, application repositories

Conference Title : ICEGSCDS 2017 : International Conference on e-Government, Smart Cities, and Digital Societies

Conference Location : Paris, France

Conference Dates : January 23-24, 2017