Abstract

A semantic network formed relationships and structures for ubiquitous computing which provide mobile services from one node to another. Mobile agents – a kind of ubiquitous computing, entitle service driven architecture with context awareness regardless of the physical interaction and location of users. Based on conceptual service model, context awareness semantic can easily be developed for service description, publishing and discovery for mobile agents discussed in this paper. Context awareness semantics using service based model is a function for every mobile agent to invoke and a necessary foundation of the ability of service adaption for computing everywhere.

References

- Shenghong Yang, Jia Yan. Ontology Component Development. 2009 International Conference on Computational Intelligence and Natural Computing, pp. 92-95.
Service based Model using Context Awareness for Ubiquitous Computing

- Wei Wei, Saiyu Qi, Yong Qi, Wei Wang, Min Xi. Allotropy Programming Paradigm for Ubiquitous Computing Environment. 2007 International Conference on Convergence Information Technology, pp. 514-521.

Index Terms

Computer Science

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Keywords

Requirements  context-awareness semantic  mobile agents  ubiquitous computing  service adaption