Abstract

Quick advancement of the pervasive computing era with its underlying sources of contextual data, services and applications persistently attempts to support a variety of independent devices, with different environment, requirements and capabilities. Pervasive computing equipped with many independent collaborating electronic devices like sensors, actuators and complex device capable of sensing, actuating, computing and communicates. These devices belong to different administrative domains and users. As the number of interacting devices grows, there is a need of devices to group with common interest of users. Existing research on grouping approaches dealings with domain specific application, resulting of inflexible and incompatible. In this paper, we propose Device Categorization and capable of dynamic
grouping of devices based on a user request. A grouping may contain any number of devices based on the application and its functions need.

References

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Index Terms

Computer Science  Pervasive Computing

Keywords

Inflexible  Incompatible  Device Category  Dynamic  Device Grouping