

Knowledge management in distributed autonomic systems

Mots clés :

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- **Unité de recherche** : Laboratoire Traitement et Communication de l'Information
- **Ecole doctorale** : École Doctorale Informatique, Télécommunications, Électronique de Paris
- **Domaine scientifique principal**: Divers

Résumé du projet de recherche (Langue 1)

Knowledge management is one of the key aspects identified in the IBM founding paper on autonomic computing (refers to the "K" in the "MAPE-K" model). The topic has been explored in the context of centralized autonomic computing, but has been little addressed for decentralized autonomic systems. The goal of this thesis will be to explore what can be done with respect to learning and knowledge management in decentralized systems. The thesis will first identify the specificity of knowledge management in decentralized systems. It will then propose concepts, methods, tools and algorithms that could be made available to support learning and knowledge management in a framework for decentralized autonomic systems.

Résumé du projet de recherche (Langue 2)