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Distributed proxy cache technology based on autonomic computing in smart cities

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## Highlights (for review)

Highlights:

- Autonomous management framework of proxy cache by taking advantages of autonomous perception and autonomous decision was proposed.
- Autonomous decision realizes high-efficient automatic cache management.
- Cache status adjustment strategies used to predict content hot-rank as to reduce loads of cache nodes.
- Cache Hot Spots Migrate (CHSM) algorithm have implemented dynamic migration and integration of virtual nodes on the Hash ring.

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