

Mobility-Aware Application Scheduling in Fog Computing

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Introduction

With new levels of computing capacity provides by Fog computing, new forms of resource allocation and management can be developed;

The grow of the number of devices scattered and connected to Internet, producing and consuming data, requires a scalable resource management at unprecedented levels - focus on IoT.



Introduction

Data also are produced at the edge. Data generation and consumption can occur at many different places and times;

Different applications can have different requirements, especially in terms of response time;



Introduction

The problem

Resource allocation considering the hierarchical infrastructure composed of edge capacity and cloud data centers, analyzing application classes along with different scheduling policies.



- 1 Introduction
- 2 Fog Computing Model**
- 3 Related Work
- 4 Applications
- 5 Allocation Policies
- 6 Challenges and Future Directions
- 7 Conclusions



Fog Computing Model



Fog Computing Model



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Related Work



Related Work



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Applications



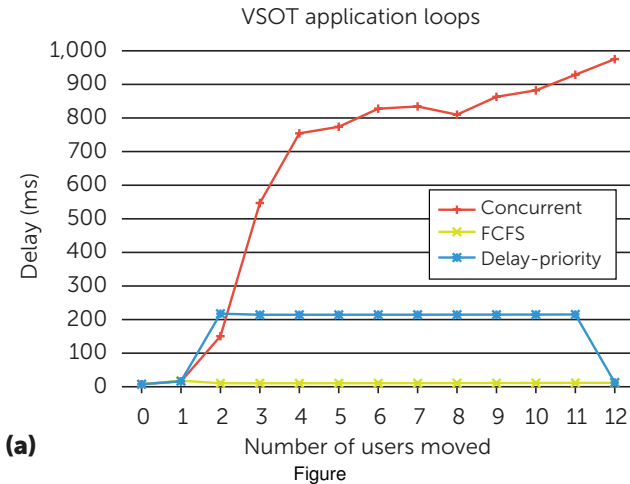


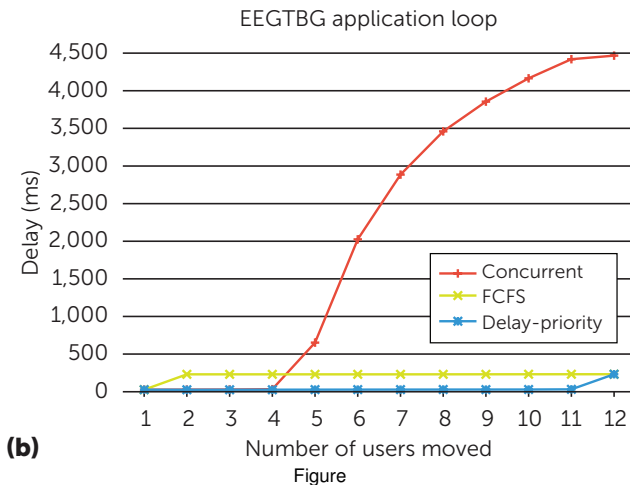


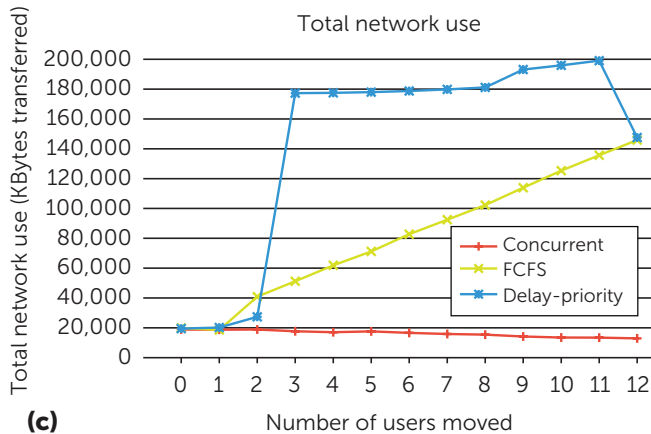
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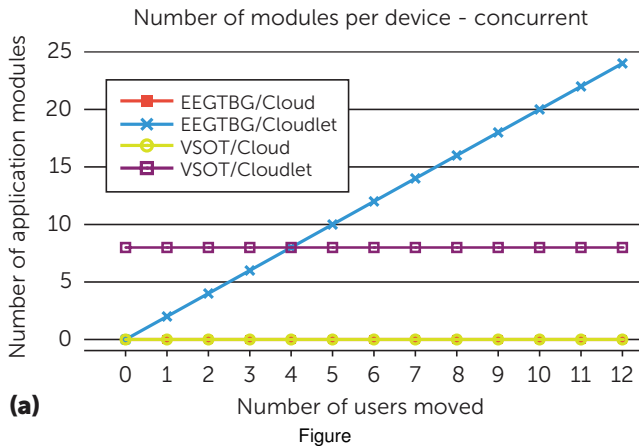


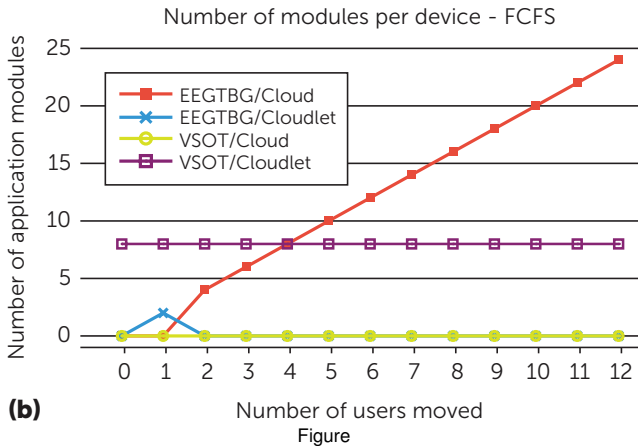




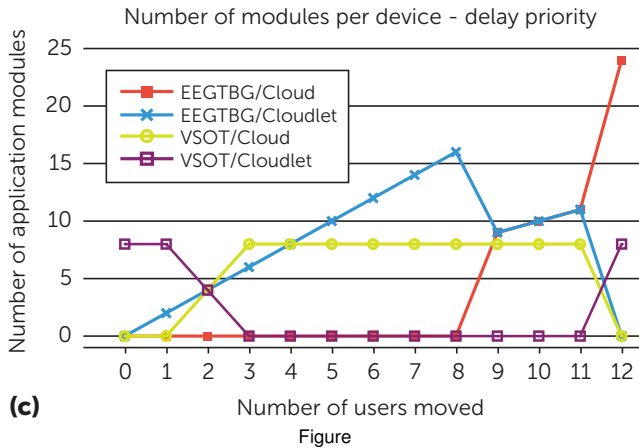


Figure





(b)



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Challenges and Future Directions



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Conclusions



Summary and Conclusions



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