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Disconnection modes for mobile databases. (English) Zbl 1030.68698

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Summary: As mobility permeates into today's computing and communication arena, we envision application infrastructures that will increasingly rely on mobile technologies. Traditional database applications and information service applications will need to integrate mobile entities: people and computers. In this paper, we develop a distributed database framework for mobile environments. A key requirement in such an environment is to support frequent connection and disconnection of database sites. We present algorithms that implement this framework in an asynchronous system.

MSC:

[68U99](#) Computing methodologies and applications

[68M10](#) Network design and communication in computer systems

[68P15](#) Database theory

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databases; data consistency; mobility; replication; disconnected operation

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