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(57) Abstract :

The present disclosure relates generally to field of computer networks. More specifically the present invention relates to a system for dynamic provisioning of services in content-centric networks (CCNS) using virtualization. The system (100) includes a virtualization layer (102), a service registry (104), a resource management device (106), a fault tolerance mechanism (108), and a cloud server (116). The virtualization layer (102) is provided for deploying and managing a plurality of services independently of an underlying hardware infrastructure. The resource management device (106) is provided for monitoring resource usage and adjusting resource allocation as needed. Further the present invention relates to a method for dynamic provisioning of services in content-centric networks (CCNS) using virtualization. Advantageously, the present invention relates to a system and method for efficient resource allocation and management, while maintaining scalability, fault tolerance, and security in CCNs.

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