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(57) Abstract :

Labelling the resources of different resource types based on availability is a crucial practice in cloud computing. Cloud environments offer a wide range of resources such as computing power, storage, and networking, each with varying availability options. This abstract explores the significance of resource labelling in cloud computing and its impact on resource management and optimization. By categorizing resources into different availability types such as on-demand, reserved, or spot instances, organizations can make informed decisions on resource provisioning, ensuring efficient resource utilization and cost savings. Furthermore, resource labelling enables the implementation of high availability strategies, distributing resources across multiple availability zones or regions to ensure continuous service availability and minimize the risk of downtime or data loss. The abstract also emphasizes the role of resource labelling in cost optimization, allowing organizations to select the most cost-effective resource types for their workloads. Through this abstract, readers will gain insights into the benefits of labelling cloud resources based on availability and how it contributes to effective resource management and optimization in cloud computing environments.

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