

Building a Failover Clustering - Hyper V system for the Viettel Thai Nguyen database.

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Abstract: The problem of failover clustering is one of the critical needs in server infrastructure management, especially for enterprises such as Viettel Thai Nguyen. This topic focuses on building a failover clustering system for Viettel Thai Nguyen's database using Hyper V. The main objective is to ensure system availability and continuity through the deployment and testing of the failover server process. Through research, the topic will apply theoretical methods combined with experimentation to design, deploy, and evaluate the system's effectiveness. The expected result is to provide an optimal solution for failover management at Viettel Thai Nguyen, contributing to enhanced information security and improved service quality.

Keywords: Failover Clustering, Hyper V, Database, Viettel Thai Nguyen, Infrastructure Management