

Penyempurnaan Rancangan Infrastruktur Disaster Recovery Center dalam Mendukung Disaster Recovery Plan Bank X

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Abstrak

Dalam rangka memenuhi regulasi mengenai persiapan dalam menghadapi disaster, Bank X telah melakukan antara lain membangun continental hot site disaster recovery center, menyusun disaster recovery plan dan melakukan uji coba pengaktifan core banking system di disaster recovery center sebanyak 5 kali dalam kurun waktu 5 tahun. Namun Bank X belum dalam mengimplementasikan disaster recovery plan dan mengaktifkan disaster recovery center jika terjadi disaster di data center. Hal ini disebabkan karena belum terpenuhinya kebutuhan bisnis berupa infrastruktur teknologi informasi dan komunikasi di disaster recovery center. Tujuan penelitian ini adalah memberikan konsep penyempurnaan rancangan infrastruktur disaster recovery center menggunakan konsep data center consolidation. Konsep data center consolidation merupakan alternatif untuk menyempurnakan infrastruktur disaster recovery center Bank X dalam mendukung berjalannya disaster recovery plan dengan cara mengkonsolidasikan server, storage dan jaringan komunikasi tanpa mengurangi performansi. Data center consolidation dapat memaksimalkan fungsi perangkat server, storage, dan komunikasi yang telah ada di disaster recovery center sehingga disaster recovery plan dapat berjalan.

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Fulfilling the regulation about disaster awareness, X Bank build a continental hot site disaster recovery center, make a disaster recovery plan document, and did 5 times test for activating the core banking system in disaster recovery center for 5 years. But until now X Bank still can't activating disaster recovery center and implementing disaster recovery plan when disaster happen in data center. The main problem is the fulfillment of business requirements for the information dan comunication infrastructure in disaster recovery center was not completed yet. The purpose of the research is giving a new concept using data center consolidation concept. Data center consolidation is an effective and efficient alternatif way for completing the infrastructure of disaster recovery center with consolidating server, storage, and communication without decrease the performance. Data center consolidation can increase usage for the server, storage and network in disaster recovery center for implementing disaster recovery plan.