

CREATING A SUPERIOR CLOUD DATA SERVICE FOR BUSINESS ENVIRONMENT

為營商環境打造卓越雲數據服務

Towngas Telecommunications Company Limited

名氣通電訊有限公司

Cloud computing has become part of the modern enterprise infrastructure. IT departments, no matter small or large, are making use of cloud services in one way or the other. However, many companies, including those already embraced the cloud services, are concerned on external data storage, data security and privacy issues, hindering the realization of the full potential of cloud.

Towngas Telecommunications Company Limited (TGT), as an excellent telecommunications and cloud services provider, adopts a data centric approach in cloud services strategy to provide the optimal cloud platform to address these companies' concerns on putting data to cloud environment. TGT Cloud Data Services strategy focus on data backup, cloud testing and cloud based analytic environment.

TGT Cloud Data Backup service enables data backup from any desktop or on premise server to cloud, as well as data restoration from cloud back to the desktop or server. Companies are able to control the whole backup and restore process with ease.

Big Data Analytic Environment to Ensure Data Privacy

TGT is developing a big data analytic environment. This service aims at addressing data privacy concerns when placing sensitive company data to the cloud through manipulation of original data yet not affecting the quality of analysis on the manipulated data.

Cloud Testing Environment Services

What is "cloud testing"? How will testing and management for cloud services differ from "traditional" IT testing? What special challenges do cloud testing face?

"Cloud testing" is basically testing applications from cloud resources (hardware, software, virtual machine, storage and network infrastructure). It provides an end-to-end environment the same way as either traditional application architecture environment or cloud environment.

The common application testing challenges include availability of resource (hardware, storage), data (source of data, size, and versioning), network (separation from production network), and scalability (for load and stress testing). Wide Area Network

雲計算已成為現代企業不可或缺的基本需求，不論各企業IT部門的規模如何，都在使用不同類型的雲服務。然而許多企業都會考慮數據安全和私隱問題，令企業對數據存儲在雲端的應用有所保留。

名氣通電訊有限公司（名氣通），作為香港電訊和雲服務供應商之一，通過以數據為主導的雲服務策略，為各種類型和規模的企業提供最合適及卓越的雲計算平台。名氣通的主要雲服務包括數據備份，雲測試及大數據分析環境等。

名氣通雲數據備份服務可以從任何桌面電腦或服務器的數據備份到雲端，也可以把雲數據恢復回到桌面電腦或服務器等，讓企業能輕鬆操作及管理備份和恢復其重要數據。

大數據分析環境服務能確保資料私隱

名氣通正開發便於解決資料私隱問題的大數據分析環境服務。這服務是以通過實時處理原始數據的方法避免將敏感數據直接傳到雲端，同時也不會影響數據分析的質量，可讓客戶特別是中小企業無憂地處理大數據分析。

雲測試環境服務

什麼是“雲測試”？“傳統”的IT測試與雲測試有什麼不同？做雲測試有什麼挑戰？

“雲測試”基本是以使用雲資源（硬件，軟件，虛擬機，存儲和網絡基礎設施）測試應用程序。雲測試的環境可以是傳統的IT應用架構環境或以雲平台環境作端端的測試。

常見的應用程序測試需考慮多方面因素包括資源（硬件，存儲）的可用性，數據（數據源，大小，版本控制），網絡（與生產網絡分離），可擴展性（負載和壓力測試）。廣域網（WAN）也是在任何雲測試環境中的關鍵考慮因素。

雲測試的明顯好處包括減少測試成本，降低測試和生產

(WAN) is also a critical resource consideration in any cloud testing environment.

Cloud testing transforms the way testing is done. The obvious benefits include reducing the cost of testing, reducing any interdependency between testing and production environment, shortening test environment provisioning time, readily available resource for stress and load testing, and a finer control on fail over testing.

TGT Achieves 3 Areas of Superior Cloud Testing Environment Services

1. From network and WAN perspective, TGT has its own direct connections to HKIX ensuring high speed and reliable Internet connectivity. Further, TGT has an extensive fibre network enabling companies to have a direct connectivity to the TGT cloud.
2. From cloud environment perspective, TGT has its own networked data centers and partners with world famous vendors in building and maintaining cloud environment. TGT cloud offers both private and public environment to suit different business and testing needs.
3. In addressing data sensitivity and privacy concerns, TGT is able to assist companies to manipulate production data and send the manipulated data to a cloud testing environment as test data. All data are being manipulated on premise, thus avoids data leakage issue. The “test” data is production grade, thus avoids data quality issue. Manipulated data also hides out all sensitive and personal information, thus avoids privacy issue.

Moreover, TGT can also assist companies to setup subsets of test data to enable a faster data load time to further reduce the time taken between test cycles.

TGT offers a full range of telecommunications and cloud services for companies of any sizes. There are already voices in renaming Information Technology to Data Technology. The unique data centric cloud services of TGT addresses the various concerns around data sensitivity and privacy. It would greatly benefit companies in realizing the full potential of cloud and, more importantly, being more successful in business.

環境之間的相互依存度，縮短測試環境配置時間，提供一個平台測試資源的壓力和負載力等。

名氣通在三個層面實現了卓越的雲測試環境服務

1. 從網絡和廣域網的角度來看，名氣通已經直接連接到HKIX，可保證高速可靠的互聯網連接。此外，名氣通擁有廣泛的光纖網絡，令我們的客戶可通過光纖直接連接TGT的雲測試平台。
2. 從雲平台環境的角度來看，名氣通擁有自己的數據中心集群，並與國際知名廠商合作建立和維護雲平台環境。同時名氣通也提供私有雲和公有雲平台環境以滿足客戶不同業務和測試的需要。
3. 在處理敏感數據和私隱問題上，名氣通能夠協助客戶處理生產數據並把已處理的數據上傳至雲測試環境。所有的原始數據都是在客戶的公司內完成處理後才上傳，從而避免數據洩漏的問題。“測試”數據是基於生產數據，大大的避免了數據質量問題。因為“測試”不包含敏感信息和個人信息，從而避免私隱泄露。此外名氣通也可以協助客戶設置測試數據的子集，可以加快測試數據的導入導出，以進一步減少測試環節使用的時間。

名氣通對不同規模的企業都能提供全方位的電訊和雲服務。資訊科技（Information Technology）已慢慢的往數據科技（Data Technology）的方向發展，名氣通以數據為中心的雲服務不單解決圍繞數據的敏感性和保密的各種考慮，同時也令我們的客戶能通過各種雲服務讓業務發展更壯大成功。

