Huawei Assists China Telecom (Jiaxing) to Build up Cloud Service Platform for Jiaxing Government

"Jiaxing government cloud was jointly constructed by China Telecom and Huawei in 2014 and has brought great economic and social benefits. The project was finished and delivered to the Jiaxing government in May 2014, enabling the first batch of 50+ applications to be migrated to the cloud and implementing our service migration."

– China Telecom

**Executive Summary**

**Industry**

Government

**Challenges**

- **Stovepipe-style architecture:** Constructed separately by sub-bureau bodies whereby resources are difficult to share.

- **Many types of services:** Various application systems used different data and middleware, complicating O&M.

- **Too many outdated and unreliable devices:** Most systems were old, with no DR with only simple backup measures, resulting in low reliability.

**Huawei Solution**

- **Government cloud services:** Huawei built the platform and provided the products. Jiaxing Telecom was the integrator that provided government resources and services.

- **One cloud system for the city and counties:** Central government cloud covered all five counties and two districts and enabled one-stop online transactions of 50+ services. Moved 13 core services to the cloud and linked them to the social insurance system, simplifying processes.

- **Unified planning & phased construction:** Production center at phase 1; DR center at phase 2, and remote DR/industries/Big Data at phase 3.

**Introduction**

Jiaxing is a prefecture-level city in the northeast of Jiangsu province. Situated at the center of the Hangzhou, Jiaxing, and Huzhou plain in the Yangtze River Delta, Jiaxing borders Hangzhou to the southwest, Huzhou to the west, and Shanghai to the northeast. In terms of economy, it is one of the most important cities in this area, with a GDP of 314.7 billion Yuan, and ranks in at number 51 in the country. Jiaxing invests 1 billion Yuan annually in the IT field, among which 60 million Yuan is used for IT infrastructure construction.

Leaders of Zhejiang provincial party committee and the provincial government focused on the e-government construction and commented on the advantages such as low utilization and repeated construction of the e-government infrastructure. They required that e-government resources should be integrated to save administrative costs and to eliminate issues such as rigid deployment of e-government applications and complexities associated with operation and maintenance.

**Challenges**

- Among the fifty-one municipal organizations, thirty of them have 39 equipment rooms where services are independent while a further eighteen have no rooms at all. The equipment rooms host multiple devices and operating systems. As services are separated, it was challenging to centralize O&M.

- Although Jiaxing e-government extranet covers all city, county, and town–level governments and departments under its scope, most organizations have independent and dedicated networks, which are not managed in a centralized manner. In addition, information was not shared, which significantly hindered the development of information-based governments.

**Huawei Solution**

- **IT consulting services:** Provided design services in the areas of target network architecture, cloud service capabilities, cloud O&M commercial process, and security.

- **IT integration services:** Provided integration services in the IT system, cloud platform, network, security, core service migration (migrating office data of more than 10 departments to the cloud platform), as well as backup and disaster recovery of critical data.
Secure services: Isolated sub-bureau bodies used the VDC feature, HA for reliability, and centralized DR.

Customer Benefits

- Lower total cost of operation (TCO): Cloud services reduced construction costs and saved investments by 30%.
- Increased resource utilization: IT systems formed a unified resource pool, and raised resource utilization to 60%.
- Service focus: O&M services were handed over to third parties. Government departments focused on their own services, improving public satisfaction.

IT service integration: Provided services such as desktop cloud and e-government portal integration.

Customer Benefits

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