

CASE STUDY

TRAFFIC POLICE DETACHMENT OF BENGBU PUBLIC SECURITY BUREAU

» The “Comprehensive Traffic Police Management Application Platform” in Bengbu, Anhui Province Adopts a Fujitsu PRIMERGY BX900 Dynamic Cube Solution to Integrate Multiple Applications for Operating Function Enhancement «



THE CUSTOMER

The Traffic Police Detachment of Bengbu Public Security Bureau, Anhui Province manages 280,000 drivers and 170,000 vehicles across the city. In recent years, the Detachment, in attempting to safeguard traffic availability and safety, help build a model city, and construct an information-based system of traffic police affairs, realized the need for a more comprehensive solution to their information management needs. In addition they also saw that leapfrogging developments in traffic management, including traffic order, service, and innovation ability, would require a new and more integrated approach.

THE CHALLENGE

Operational growth called for collaborative management

With the Detachment responsible for managing vehicle registrations, driver licensing, transportation, accident investigation and vehicle disposals, there was rapid growth. With the rapid development in numbers of drivers and vehicles, also came the need for information integration between the different traffic police functions. This led to the urgent requirements to construct a “Comprehensive Traffic Police Management Application Platform.”

High Reliability, Availability and Scalability

Faced with a rapid increase in traffic management functions, information growth, and the ongoing emergence of new applications, the “Comprehensive Traffic Police Management Application Platform” not only needed to meet current requirements of high reliability and availability, but also required the reservation of sufficient capability for future extension and functional change.

Laying a Solid Foundation for Virtualization

It was also seen that in order to better allocate various traffic management resources the “Comprehensive Traffic Police Management Application Platform” would require an IT-based platform that could effectively support the use of virtualization to best meet the requirements of data sharing and interworking between systems.

CUSTOMER

Customer: The Traffic Police Detachment of Bengbu Public Security Bureau

Industry: Public Service

Duty: Strictly control the traffic situation, ensure road availability, and maintain regular traffic order.

Website: <http://www.bbji.gov.cn>



THE CHALLENGE

The Traffic Police Detachment of Bengbu Public Security Bureau, Anhui province, is responsible for managing traffic, vehicles, drivers, and highway transportation, as well as the handling of accidents and emergencies, across the city. In the face of increasingly complex applications and huge data processing tasks, this detachment was eager to construct a “Comprehensive Traffic Police Management Application Platform.” This would integrate and share information and processes across all the applications, and realize full coordination of data and information across all the different functions.

THE SOLUTION

In order to meet the construction requirements of the “Comprehensive Traffic Police Management Application Platform” Fujitsu provided an IT-based platform solution using PRIMERGY BX900 “Dynamic Cube” Blade Servers at its core. This would enable the Traffic Police Detachment to effectively integrate all their functional application systems and provide flexibility for growth. As a result the management efficiency and services of the detachment would be greatly enhanced.

THE BENEFITS

- PRIMERGY BX900 blade servers, equipped with the latest Intel® Xeon® processors, mass memory and distinctive I/O performance, greatly improved responsiveness and computing power.
- The 'Dynamic cube' attributes provided the high flexibility and scalability for growth and overall investment protection.
- The ServerView server management software supplied as standard also achieved centralized server monitoring, ensured automatic repair of failures and enabled the dynamic distribution of resources.

Attention Paid to Investment Protection and Upgrade Space

The resulting solution would also need to include IT platforms that would provide greater and more flexible scalability to ensure investment protection.

THE BENEFIT

The "Comprehensive Traffic Police Management Application Platform" at Bengbu now integrates six operational systems, including vehicle registration, driving license management, traffic offence handling, traffic accident handling, and an information platform for the traffic police brigade and highly-toxic products transportation system. It is now recognized in the industry as an effective solution in guiding the management and system of modern traffic affairs and the promotion of standardized law enforcement.

In meeting the above requirements, the Fujitsu PRIMERGY BX900, with up to 18 server blades, not only provided the current requirement for each system, its unique stack system design and virtualization capabilities also delivered the flexible high scalability. It allows the Traffic Police Detachment to update the system at any time according to their needs, ensuring comprehensive investment protection.

Furthermore, the standard-configured ServerView server management software provided with BX900 provides solutions to problems that occur frequently during enterprise IT system management. This includes functions to achieve centralized server monitoring, ensure automatic repair of failures, and the dynamic redistribution of resources. This in turn has further reduced the cost and risks of IT maintenance, as well as achieving maximum utilization of all the available resources.

PRODUCT AND SERVICE

- FUJITSU PRIMERGY BX900
- FUJITSU PRIMERGY BX920
- FUJITSU ServerView server management software

Up to 18 server blades



CONCLUSION

The new integrated system has greatly enhanced the management efficiency and services of the Traffic Police Detachment. In addition the use of PRIMERGY BX900 Series blade servers, with their high stacking density, energy conservation, and space saving form factor, has significantly reduced operational costs.

In basing their IT platform solution on the modular design provided by PRIMERGY BX900, the Traffic Police Detachment have also ensured their ability to meet their future requirements, in particular their ability to further scale their applications and add new functions by addition of blades or through virtualization.

Boasting the advantages of flexibility, integration and sharing, as well as scalable modular infrastructure design, PRIMERGY BX900 will enable the "Comprehensive Traffic Police Management Application Platform" in Bengbu City to be added to and its systems expanded in convenient ways that are matched to actual requirements – thereby best meeting the demands of new functional growth.

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