

Case study

Directorate General Of Treasury

» Fujitsu have laid out a robust foundation to bring IT infrastructure in-line with our business and to support the implementation of ICT integration in Ministry of Finance «

Muhammad Ridzal, ST, MT, Head of Hardware and Software Technical Support Section, Directorate General of Treasury



The customer

Following the national financial management reform for good governance, the government of the Republic of Indonesia formed The Directorate of Treasury (DGT) in 2004 as one of organisations under The Ministry of Finance. Consisting of eight echelon two and 30 regional offices, DGT is responsible for formulating and implementing policies and procedures of the state treasury. The core function of DGT is to oversee the implementation of the state budget asserted in the List of Approved Budget Implementation documents, by around 20,000 working groups throughout the country. Each working group represents a specific government agency or institution responsible for the allocated budget. DGT coordinates the working Group through its 170 state treasury service offices.

The challenge

It is no surprise that IT has been playing a critical role in enabling DGT to perform its core functions. However, because of the large environment, unique business requirements, and implementation of Treasury Single Account (TSA), almost all of the applications are developed by DGT itself. To coordinate tasks and share information to the thousands of working groups and the state treasury service offices, DGT operated a centralized web portal. In addition, an e-learning portal and online library have kept officials up-to-date on the policies, standards and procedures of the government treasury and its accounting. DGT continues to pursue higher goals in IT. "Our vision and mission is to achieve and enable a transparent, accountable, integrated and performance-based state budget management. IT -being the enabler of DGT- has to cope with that, by increasing our IT governance maturity level. The initial step is the laying out of a robust yet flexible IT infrastructure." said Muhammad Ridzal, ST, MT, Head of Hardware and Software Technical Support Section at DGT. "We were looking for a technically advanced and highly scalable solution"

The solution

In 2007, after a stringent government tender process as regulated through the Indonesia Presidential decree No.80/2003, Fujitsu won the project to provide DGT with a complete server and storage infrastructure consist of PRIMERGY, PRIMEQUEST and SPARC Enterprise servers as well as ETERNUS Storage.

The customer

Country: Indonesia
Industry: Government
Founded: 2004
Employees: Above 8000 employees
Website: www.perbendaharaan.go.id

The challenge

DGT needed to upgrade its server infrastructure following the directorate's efforts to improve IT governance to support vision and mission. DGT was looking for a technically advanced and highly scalable solution with excellent after sales support, packed in an offering that balanced technology and value.

The solution

Fujitsu provided DGT with a complete server and storage infrastructure, consisting of PRIMERGY, PRIMEQUEST and SPARC Enterprise servers and ETERNUS Storage.

The benefit

- Blade servers simplified cabling, storage, and maintenance while load balancing and failover management became much simpler.
- Achieved maximum performance, scalability, while reducing complexities and total cost of ownership.
- Fujitsu helped DGT to proceed with a speedy implementation with minimum business disruption.
- The resulting modern server infrastructure serves as a robust platform for DGT to improve further its IT governance.
- DGT have also handled capacity increases multiple times with fewer numbers of hardware and better availability.

The benefit

Speedy implementation with minimum business disruption was necessary in this project as central office of DGT receives state budget reports from the state treasury offices on a daily basis. The innovative, reliable and advanced modern technology of the servers will support an efficient, effective and fast one stop service at all DGT offices all over Indonesia. Fujitsu worked hand-in-hand with DGT's IT team, providing technical support as well as technology knowledge. "Because we were dealing with advanced new technology, we needed to learn as quickly as possible. We did it thanks to Fujitsu who gave us 'mentorship' all the way to the maintenance phase," said Ridzal.

Fujitsu servers host the state budget database, payroll and in-house applications, as well as handling the Intranet and web monitoring. The server infrastructure is now processing millions of records per year. The subsequent benefits DGT experienced were significant. The blade servers allow more processing power in less space which will simplify cabling, storage, and maintenance. Load balancing and failover management are much simpler while power consumption is reduced. DGT infrastructure architecture is a combination of Fujitsu blade servers, rack servers, storage and SAN switches to achieve maximum performance, scalability, but at the same time reduce complexity and total cost of ownership.

"Our capacity increased multiple times but using less hardware and with higher availability than the previous infrastructure," said Ridzal. "We also have the scalability to meet future requirements as the government is pushing initiatives to promote good governance in state budget management in all agencies throughout the archipelago." Fujitsu believe those new capabilities will definitely lead to cost savings in respect of power consumption and cooling requirements.

Having a modern, highly available and scalable Fujitsu server based infrastructure in place, DGT is ready to raise the bar of IT achievements. Future plans include increase of the storage capacity and implements the ICT integration (now already running in Communication Data area) with Pusintek in Secretariate General where Ministry of Finance central data centre is located. DGT is also looking to adopt the latest technology in virtualization and server clustering. "Not only are we more confident in enabling the users, together with Fujitsu we are now better equipped to improve the IT maturity level and IT governance," concluded Ridzal.

Products and services

- Fujitsu PRIMERGY BX 600 S3
- Fujitsu PRIMERGY RX 600 S4
- Fujitsu PRIMERGY RX 300 S6
- Fujitsu PRIMEQUEST 1800E
- Fujitsu SPARC Enterprise M4000
- Fujitsu ETERNUS 4000 M300
- Fujitsu SAN Fibre Channel Switch SN200

Conclusion

Using Fujitsu's advanced technology and expertise, DGT now has the tools it needed to enhance state budget and treasury activities in all of the working groups. Not only that, the modern server infrastructure serves as a robust platform for DGT to improve its IT maturity levels, and improve IT governance – as key components in accomplishing transparent, accountable, integrated and performance-based state budget management.

"We are now better equipped to improve the IT maturity level and IT governance"

Fujitsu's solution was selected through a stringent, objective and independent government tender process because of the balance between the technology and value it provides for DGT. More importantly, Fujitsu has earned the trust of the Indonesian government in one of its critical processes, state budget management.

About Fujitsu Indonesia

Fujitsu Indonesia was established in 1995 under the name of PT. Fujitsu Systems Indonesia. Headquartered in Jakarta and a number of service centers in Jakarta & Surabaya also more than 20 authorized service providers across Indonesia, Fujitsu Indonesia has a vision to become a leading provider in IT, communications and customer-focused business solutions.

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