

# Case Study

## Farmasoft LLC

»We saw an interest forming in products and joint, integrated solutions by Fujitsu and NetApp during a visit to the Fujitsu IT Future conference. In light of the lack of internal expertise in building a “private cloud” we relied completely on the recommendation of the manufacturer Fujitsu and the integrator Inforada. In July 2013 a joint project was launched, the results of which exceeded our expectations«

Valentin Evgienko, IT Director, Farmasoft LLC



### The customer

Farmasoft is a leading pharmaceutical company in Ukraine. It has rich experience, dealing in pharmaceutical logistics since 1999. Since 2005 the company has expanded the scale of its operations, adding logistics of clinical research to its portfolio. Farmasoft has its own customs brokers and refrigerated transport for deliveries. The quality of the company's service is guaranteed by the ISO 9001:2008 quality management system (certified by TÜV Rheinland), introduction of rules of Good Distribution Practice (GDP) and Good Storage Practice (GSP), annually performed internal and external audits and the conformity of services rendered to the requirements of the state quality control inspectorate.

### The challenge

Linked with the development of the business, the growth in data volume and the number of operations, Farmasoft had a rising need for updating and standardizing its IT infrastructure. The company had end-of-life servers and obsolete switching units, without warranty or support. In order to overcome these problems it was decided to build a vShape reference IT architecture. When implementing the project the company was faced with the need to consolidate its IT solutions, create the ability for rapid scaling, given the plans for the introduction of new services and their virtualization, build a scalable and flexible IT infrastructure and enhance the system's recyclable level in line with Green IT standards.

### The solution

Farmasoft's management selected Fujitsu solutions for implementing the project as they stand out favorably from the competition in a number of parameters.

After working in detail on options available, it was decided to virtualize Farmasoft's IT infrastructure based on the Intel x86 system. The system is implemented on the basis of Fujitsu PRIMERGY RX300 S7 servers, NetApp FAS2240 data storage systems, VMware vSphere v5 reference architecture and the NetApp Virtual Storage Console integrated module.

### The customer

Country: Ukraine  
 Industry: Pharmaceuticals  
 Founded: 1999  
 Website: [www.farmasoft.com.ua](http://www.farmasoft.com.ua)



### The challenge

Farmasoft had a rising need for updating and standardizing its IT infrastructure. The company had end-of-life servers and obsolete switching units, without warranty or support.

### The solution

Equipment was selected for building the reference architecture allowing for the high requirements for performance, flexibility, fault tolerance and energy efficiency. In doing so it was planned to facilitate the smooth scaling of the enterprise's entire IT infrastructure over a minimum of 3 years. Farmasoft's IT specialists chose solutions by Fujitsu, NetApp and VMware.

### The benefit

- Economic operation
- Maximum scalability to satisfy prospective needs
- Fault tolerance and protection of business-application data
- Increased recyclability and guaranteed protection of investment in IT
- Simplified support and administration
- Guaranteed continuity of business processes
- High performance
- Efficient use of disk drive space
- Deduplication of more than 39% of productive data

### Products and services

- FUJITSU Server PRIMERGY RX300
- VMware ESXi 5.1
- NetApp FAS 2240

Isolated 802.1q data traffic networks (NFS&iSCSI) have been created at the company using Jumbo Frames to obtain maximum performance from the network interfaces. The central network has been rebuilt to enhance security by screening equipment and services management interfaces from the network of users.

Using Fujitsu PRIMERGY RX300 S7 server solutions when implementing the project helped to enhance the fault tolerance of the IT infrastructure and reliably protect the business-application data. The solution has a rapid system of automatic recovery and flexible allocation of IT service resources on demand. In the event of faults in functioning, the NetApp FAS 2240 data storage system protects valuable information resources, by remotely copying data onto other RAID.

The VMware vSphere virtualization environment enables the simple and effective management of network, storage and security system resources. As part of this project using VMware vSphere technologies helped to simplify the administration process of physical systems and enhance maximum operational efficiency.

### The benefit

Fujitsu PRIMERGY servers, combined with the NetApp FAS data storage system, demonstrated an absolute superiority over the competition, both in terms of performance and in functionality, conforming to all requirements of Farmasoft. PRIMERGY systems have already proved themselves worldwide as high-quality IT solutions, maintaining their high level of performance over a long period of time. Fujitsu offers 24-hour technical support, 7 days a week.

Under tight budget restrictions and in-depth testing not only of performance but of functional capabilities, Fujitsu equipment comes out on top in all parameters. To implement the project, Farmasoft's IT specialists chose solutions, the application of which was capable of fundamentally updating the company's IT infrastructure and granting it access to the latest technologies, including service virtualization and BYOD.

The Fujitsu PRIMERGY RX300 S7 rack server is an ideal server solution for its class in terms of performance and functionality. Thanks to an individual cost-effective configuration it has capabilities for upgrades to suit prospective requirements and for data protection using FDE disk integration. Upgrade sets offer budget savings as the system can be updated as the company grows, thus protecting investment into IT.

### Conclusion

In the near future the introduction of the 1C 8 program system will be completed with the stepwise transition to Win 2012 and Exchange 2013. It is planned to increase system reliability through backup copying to a remote platform using SnapVault resources, introduce VDI (Virtual Desktop Infrastructure) technology and the BYOD approach.

*"After visiting IT Future, our interest grew in the products and solutions that Fujitsu had to offer. In July 2013 our joint project got underway. Not everyone is ready to make a decision and take on the responsibility, but we took the plunge and started out. In October we transferred the last server over. The migration between the platforms took 10 minutes. Upon the completion of migration, the backup copying procedures occur far more often and take considerably less time."*

Valentin Evgienko, IT Director, Farmasoft.

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