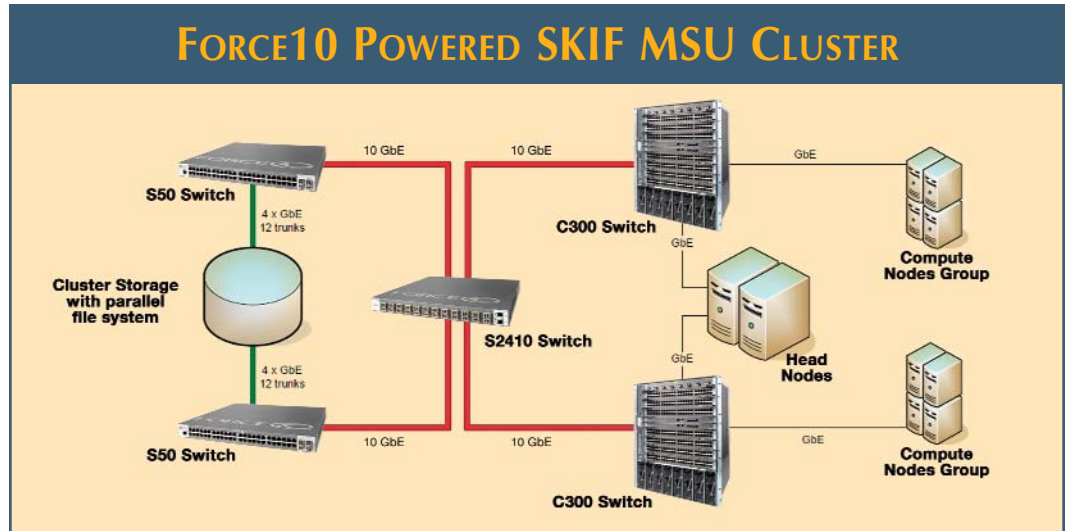


T-Platforms & Force10
Power
the Fastest
HPCC Platforms
in Russia

Accelerate
Complex
HPCC Modeling
Solutions for
Climate Change,
AIDS & Cancer
Research



The Leading Russian-based HPCC Developer

T-Platforms is the leading Russian-based developer and provider of complete turn-key solutions for high performance computing cluster (HPCC) solutions across all industry sectors including government, research and education, and telecommunications. T-Platforms is the only Russian company to have delivered five operational cluster systems ranked in the global TOP500 list of the most powerful super computers in the world.

Since its inception in 2002, T-Platforms has successfully delivered over 100 HPCC systems. Key HPCC customers of the high performance cluster and server solution include:



Russia-Belarus supercomputer government program SKIF

- SKIF Moscow State University (MSU) cluster (TOP500 #22, March 2008)
- SKIF K-1000 cluster (TOP500 #98, November 2004)
- SKIF K-500 cluster (TOP500 #407, November 2003)

Interregional High Performance Computing Center Tomsk State University

- SKIF Cyberia cluster (TOP500 #105, June 2007)








In June 2003 T-Platforms opened the Cluster Solution Center (CSC) in Moscow jointly with the Program Systems Institute at the Russian Academy of Sciences. The CSC offers a full range of services for HPCC customers, including optimized turn-key solutions that ensure the best possible price/performance ratio, customer application software evaluations, education and consulting services, and computer and infrastructure outsourcing.

T-Platforms is the only company in Russia to specialize in the development of turn-key integrated hardware and software solutions for HPCC that are optimized for each customer's specific needs. The company offers a wide range of products for HPCC and data centers, including cluster systems and Linux-based shared-memory supercomputers, servers, storage systems and management software. Technology partnerships with leading vendors and a professional team of experts enable the company to provide solutions of any performance level in record-breaking time, and ensure the best price/performance ratio on the market. T-Platforms offers full production and support services for its HPCC solutions, from project design to warranty and post-warranty support.

SKIF MSU Cluster

In March 2008 the SKIF MSU cluster was the most powerful supercomputer in Russia, the CIS and Eastern Europe when it was deployed at Moscow State University. Force10 Networks is the premier partner selected to deliver 10 GbE switching infrastructure for large multi-node systems, providing 10 GbE solutions that deliver best-in-class density, price and performance.

The HPCC cluster is powered by two C300 switches. The storage system consists of 12 modules, each connected to two S50N switches via 4xGbE trunk. All of the four switches are linked together to an S2410 switch by 10 GbE trunks. This architecture delivers a non-blocking fabric with no single point of failure in the storage transport network.

 Ethernet Switches for HPC Solutions	STACKABLE L2/L3 SWITCHES			10 GBE L2 SWITCHES	CHASSIS SWITCH/ROUTERS	
	S-SERIES				C-SERIES	
						
Chassis:	S25P	S25N / S25V	S50N / S50V	S2410CP / S2410P	C150	C300
Chassis Height (RU)	1	1	1	1	9	13
Line Card Slots	—	—	—	—	4	8
Expansion Module Slots	2	2	2	—	—	—
Raw Switching Capacity (Gbps)	144	144	288	480	768	1,536
Slot Capacity - Half Duplex (Gbps)	24	24	24	—	96	96
Forwarding Capacity (Mpps)	95	95	131	360	476	952
40 GbE and 100 GbE Ready	—	—	—	—	—	—
Ports:						
Line-rate 10/100/1000Base-T	20 (SFP) + 4 (Shared)	24	48	—	192	384
Total 10/100/1000Base-T	20 (SFP) + 4 (Shared)	24	48	—	192	384
Line-rate GbE (SFP)	24	4 (Shared)	4 (Shared)	—	192	384
Total GbE (SFP)	24	4 (Shared)	4 (Shared)	—	192	384
Line-rate 10 GbE	4	4	4	24	32	64
Total 10 GbE	4	4	4	24	32	64
Line-rate OC-3c/OC-12c/OC-48c	—	—	—	—	—	—
Power over Ethernet (IEEE 802.3af Class 3)	—	24 (S25V)	48 (S50V)	—	192	384
Power:						
AC + AC Power Redundancy	Yes	Yes	Yes	Yes	Yes	Yes
DC + DC Power Redundancy	Yes	—	Yes (S50N)	—	Yes	Yes
AC + DC Power Redundancy	—	—	Yes	—	—	—

Contact Information

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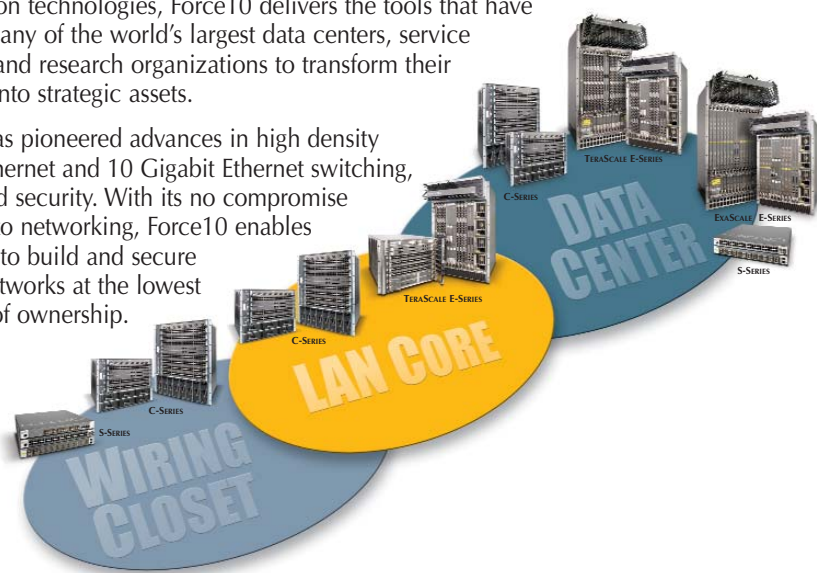
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When Your Network is Your Business

Force10 Networks is the pioneer in building and securing reliable, high performance networks that extend pervasive reliability, network control and scalability from the data center to the enterprise wiring closet to create a unified network fabric that is designed to ensure application readiness and protect long-term investment. With patented advances in high performance system and backplane design as well as switching and routing optimization technologies, Force10 delivers the tools that have allowed many of the world's largest data centers, service providers and research organizations to transform their networks into strategic assets.

Force10 has pioneered advances in high density Gigabit Ethernet and 10 Gigabit Ethernet switching, routing and security. With its no compromise approach to networking, Force10 enables customers to build and secure reliable networks at the lowest total cost of ownership.



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