



# Remote Management Made Simple

One of India's leading and fastest growing private sector financial services companies deployed high-end compact blade server system to help its traders access data with more speed and reliability. However, remote management of the servers posed a challenge.

### ESCALATING BUSINESS DEMANDS

When it comes to buying or selling stocks, timing is everything. The speed of execution – the process of buying or selling stock – is one of the most important challenges that face every financial institution. Seconds can make a difference in the buying or selling price, and traders rely on technology solutions to get their job done quickly and accurately to deliver the best service and investment performance for their clients.

Their business is built on providing global agency trading, advanced order execution, and independent research distribution for asset managers and plan sponsors. As one of the few independent brokerages, the company address the diverse needs of fund managers, money managers, and broker-dealers alike, while remaining objective and unbiased when it comes to providing the best possible execution services.

### BUSINESS SITUATION

The company wanted to improve the speed, availability and efficiency of internal systems. They invested in a compact blade server solution. Almost immediately, their traders experienced increased output and increased screen real estate. The solution also delivered decreased deployment time and maintenance along with better flexibility for the IT support staff.

These servers are hosted at DAKC IDC, 40 Kms away from the head quarters where the server administrators are seated.

As they have made substantial efforts and investments in acquiring the best technology available internationally so as to build the infrastructure for a world-class trading company; managing the same remotely and effectively was an issue.

### THE SETUP AT DAKC IDC

Sr. No.	Console infrastructure.	Nos.	Console
1	Dell Servers / HP / IBM	59	PS2/ USB with VGA
2	Sun Servers	7	Serial DB-9 / DB-25
3	Cisco Router	2	Serial RJ-45
4	Juniper Router	2	Serial RJ-45
5	Blade Servers Dell (2 chassis - 20 blades)	2	PS2/ USB with VGA
6	Blade Servers IBM (2 chassis - 20 blades)	2	PS2/ USB with VGA

### SOLUTION

We proposed the Secured Console Management over IP solution.

Out-of-Band Infrastructure (OOBI). OOBI creates a secure alternative path to remotely access and restore disconnected IT assets – such as Routers, Switches and Servers – increasing network uptime and reducing Operational costs.

We proposed a DSR KVM for their GUI based servers, ACS for their Routers, Switch view for blade servers and to manage all the devices we recommended DSVIEW3 software.

### DETAILING OF THE SOLUTION PROPOSED

Sr. No.	Site situation	Proposed solution
1	GUI servers 59 nos. future expected 30 nos. to be added	DSR2035 – 3 nos.
2	For connectivity between Servers and KVM currently 46 nos. will procure separate DSRIQ in future as and when required	DSRIQ-PS2/USB – 46 nos.
3	Routers 4 nos.	ACS4- SAC – 1 no.
4	Cables for connectivity between serial device and ACS	SPL- DB-9/DB-25 – 4 nos.
5	Blade servers 4 chassis	2SVP10-202 – 2 nos.
6	To view and operate on the servers locally	RKP-115e – 5 nos.
7	Centralized management software	DSV3-SWA – 1 no.

The stability and reliability of KVM over IP solution increased server uptime, minimized downtime and improved employee productivity

### THE INSTALLATION

The proposed solution was accepted by the company and was deployed on time in two phases.

### BENEFITS

- Console Management over IP solution reduces costly site visits for regular maintenance and administration.
- Minimizes downtime of equipment as rectification can happen in real-time.
- Increases Security as compared to software based solution that was in use earlier.
- Affordable IP-based solution with solid performance, quality and reliability. This is important in capping escalating IT costs in a growing business. The acquisition cost in deploying an Over IP solution with Centralized Management software represented savings over its previous solution RDP.
- Console Management solution assisted in having the monitors being removed and saved 30% of valuable rack space.
- The KVM over IP provides them with increased security and more protection against external security issues. This helped them reduce costs spent on resources to address maintenance downtimes.
- The exceptional stability and reliability of KVM over IP solution helped them in increasing server uptime, minimize downtime, improve employee productivity and ensure that business operations and transactions have always been available. Time spent in fleet maintenance was reduced and in turn overall downtime was reduced.

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**APW President Systems Ltd.**

R-2, Technopolis Knowledge Park  
Mahakali Caves Road, Andheri (East)  
Mumbai - 400 093  
Email: sales.mum@apwpresident.com  
Tel : 022-66448888, Fax: 022-66448899  
Web: <http://www.apwpresident.com/>