

## Yatish Trading

### ClearCube Solution Increases Security and Reduces Downtime



Yatish Trading is a leading securities firm trading on the Bombay and Indian National Stock Exchanges, with operations in Mumbai (India), Dubai, Moscow, London and Hong Kong. Their services include securities trading, asset management and investment research/analysis.

As a high growth company, Yatish Trading understood the critical necessity to use technology to help them grow in a strategic, cost-effective manner. They also needed a way to support users in multiple locations around the globe. In addition, the firm was exploring the possibility of using grid computing to support financial modelling.

Yatish Trading recognised they had reached the limits of performance and efficiency with their traditional box PC solution. Standard desktop PCs were also impractical for grid computing due to their disparate nature and large physical size. The firm wanted a proven yet innovative solution that would help them increase their competitiveness.

#### OVERVIEW

##### ► The Challenge

Find a way to support twice the number of PC users, strengthen security, improve productivity, provide compute-intensive financial modelling and reduce support cost.

##### ► The Solution

Deploy a ClearCube PC Blade solution for traders during the day. Use the same PC Blades to create a processing grid for financial modelling applications during non-trading hours.

##### ► The Benefit

A comprehensive solution by ClearCube: strengthened hardware and data security, improved uptime, increased manageability and reduced operating cost by 40%.

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**“We have high requirements for performance, flexibility and cost-effectiveness. ClearCube meets these requirements at every level.”**

**- Shridhar Venkatesh  
Executive Director  
Yatish Trading**

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## Box PCs to PC Blades - a Smart Trade

Yatish Trading turned to ClearCube to deploy a comprehensive PC Blade solution. Working with ClearCube's business partner, they implemented a solution that delivers dedicated, Intel-based PC functionality from a centralised, rack-mounted environment to the company's local and remote employees.

Desktop PCs were replaced with a small ClearCube I/Port about the size of a VHS tape. The I/Ports are connected via the existing cabling infrastructure to PC Blades located at a central location, increasing security of the firm's hardware and data assets. Using an intuitive set of management applications called the ClearCube Management Suite™, centralised IT staff manage all PC Blades efficiently and cost-effectively.

Yatish also leveraged the centralised location of powerful PC Blades to enable dual use computing. Traders used the PC Blades running Windows XP as trader workstations by day. After trading hours, IT rebooted the PC Blades to serve as a Linux grid computing cluster. ClearCube provides a common hardware platform that enables a dual use environment, by making it simple to set up grid computing networks. Grid computing with the dense, rack-mounted PC Blades offers an inexpensive alternative to buying costly servers to process large financial models.

## Benefits for the Bottom Line

Mr. Shridhar Venkatesh, Executive Director at Yatish Trading, is very pleased with the deployment. Commenting on the ClearCube solution, he said, "Using ClearCube for computing at Yatish Trading not only increased the security of our data assets and reduced downtime but also centralised our maintenance processes, and lowered our overall IT costs. These are benefits that a traditional PC just cannot offer."

More specifically, these benefits include:



PC Blades secured in data centre.

## Strengthened Security

The ClearCube solution has helped Yatish Trading protect sensitive financial data and expensive hardware. Since the PC assets are centralised in a secured data centre, the risk of theft or accidental damage is limited. The I/Ports at the user's desk are diskless so all company and client data is locked down.

## Increased Availability - Up to 99.9% or Better

ClearCube solutions increase PC availability from the industry standard of 96% to an unprecedented 99.9% or better.

This helps reduce downtime expenses and boost productivity. In case of a hardware or software failure, the helpdesk can simply "hot swap" the user to a spare PC Blade in seconds. The user's data can also be restored in minutes.

## Effective, Multi-Location Management

The centralised switching architecture enables IT to deliver high service levels to multiple locations at a fraction of the cost. IT managers can react to problems at remote locations with centralised control and switching of blade hardware, eliminating the need to travel to branch locations. Furthermore, all blades can be in one central location supporting I/Ports located in multiple branches connected over a WAN.

## Powerful, Cost-Effective Grid Computing

The PC Blade supports Wake-on-LAN and can be easily configured as a dual boot system, allowing the firm to provide end user computing by day and a grid computing solution by night. ClearCube supports Beowulf, an open source clustering application, along with software from Gridlogics to enhance performance.

## Cost Reductions Up to 40%

Yatish Trading anticipates that centralisation of the computers, coupled with remote switching, will help reduce their PC user costs by 40% and dramatically increase the productivity of IT support staff. In addition, the same PC Blades will be used nightly as a financial modelling grid, eliminating the cost of additional computing infrastructure.

Yatish Trading looks forward to continued benefits from their ClearCube solution now and in the years ahead.