

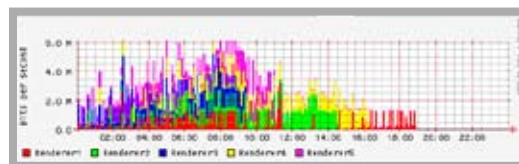
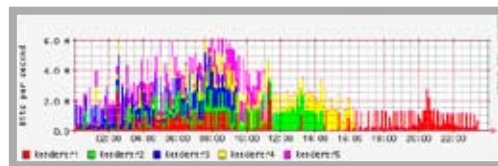
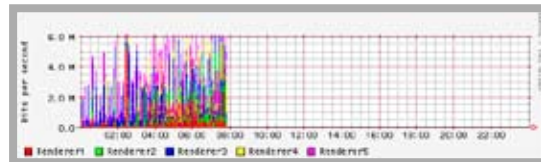
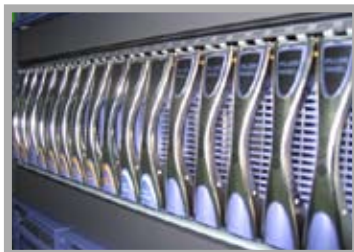
9.1.1.

BT Frontline Grid: Remote Rendering Services

Remote access to highly scalable computing resources for your animation needs

Business Challenges

Rendering is an essential part of the lifecycle in 3D computer animation development. It is the process where an artist's view of a 3D model is converted into a realistic image, which includes the application of textures to surfaces and applying lighting effects that simulate shadows, reflection and refraction. Rendering is a highly compute-intensive process that requires specialised skills for the setting-up and managing of server farms with specialised software and workflows.



Our Solution Offerings

BT Frontline Technologies Pte Ltd has established a utility-based environment for local and international users to submit 3D animation jobs for secured remote rendering. The target market would include companies producing 3D animated feature films or TV series, visual effects, games, etc.

The BT Frontline Technologies Grid's Remote Rendering Service provides users with easy access to its rendering farm, enabling outsourcing of rendering projects. This eliminates the excessive costs involved in the building of a high-quality technology infrastructure, its maintenance, as well as the technology obsolescence that is inherent in managing such infrastructures.

The BT Frontline Technologies Grid's state-of-the-art Remote Render infrastructure enables animation artists to reduce rendering time substantially. The ability to render a scene

on a larger compute resource will significantly reduce the job turnaround time. Feedback can then be obtained faster, allowing more time for the improvement of animation quality within the project deadline.

Easy access to highly scalable computing resources for complex animation and special effects renders, enables independent animators and smaller postproduction houses to compete with much larger companies for the same project. With the BT Frontline Grid's utility-based computing platform, users can tap the rendering service on a pay-per-use model and incorporate the cost in their project bid. This enables the companies in the animation industry to focus their resources on their core competency — content creation — rather than the management of a large IT infrastructure.

Our Solution Offerings *continued*

- **Grid Technology**

Managed by the Sun Grid engine and powered by the latest range of 64 bit AMD Opteron Sun Fire X4100/ X4600, Sun Fire V20z/V40z from Sun Microsystems, these versatile Grid compute nodes, provide functionality, performance, scalability and management, providing an ideal platform for running compute-intensive applications, over Red Hat Enterprise Linux.

- Service planning and integration
- Sun AMD Opteron server clusters with configurable 32 or 64 CPU on Linux
- More than 3TB of SAN storage
- Secured access via leased circuit or VPN
- Engineering and service desk support
- Lease or metered utility model
- Maya, Mental Ray renderers

Key Highlights

- Utility-based grid computing for secured remote rendering
- State-of-the-art remote render infrastructure for compute-intensive applications
- Easy access to highly scalable computing resources for complex animation and special effect renders
- Pay-per-use model.

Key Features

- Easy access to state-of-the-art rendering farm
- Secured computing environment to protect your creation
- Ready access to highly scalable computing resources to cater to demanding loads as and when needed
- Eliminates investment to build and upgrade technology infrastructure when business requirements scale
- Dispense with infrastructure maintenance cost
- Transforms fixed cost to variable cost with pay-per-use model
- Faster job turnaround time for better competitiveness
- Enhance ability to focus resources on core competencies rather than management of large IT infrastructure

For more information, please contact our sales hotline at **(65) 6490 4884** or email, sales@frontline.com.sg.

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