

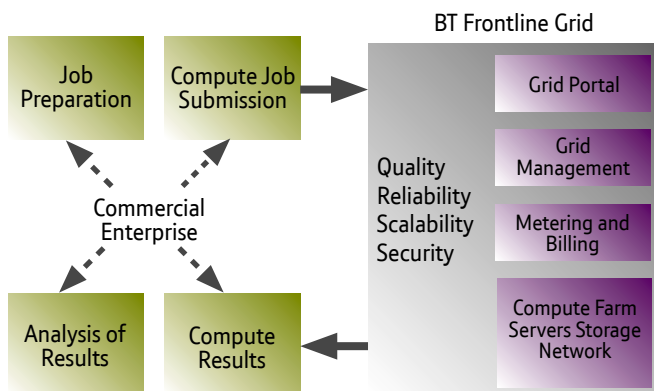
# 9.1.

## BT Frontline Grid Solutions

Tap on the power of Grid technology  
for your business demands

### Business Challenges

Many organisations in the engineering, manufacturing, logistics and transportation, finance and digital media industries run processes that require high computational resources (engineering simulation, financial analysis, optimisation and planning, 3D Animation, etc). These can be met by implementing Grids within the company using BT Frontline's Private Grid solutions. On occasions when computational requirements periodically overlap, creating peak demands or when short term scalability is required, these will typically place a strain on existing infrastructure resources. BT Frontline's Utility Grid can provide the solution to manage these business needs.



BT Frontline Utility Grid

### Our Solution Offerings

BT Frontline Technologies new BT Frontline Grid services provides customers with the ability to tap on the power of Grid technology to meet their business demands for highly compute-intensive processes such as engineering design simulation, optimisation, financial analysis and 3D animation rendering. BT Frontline's Utility Grid services offer customers the ability to remotely access our compute farm resources to help manage their periodic peak computational demands on a per use basis. BT Frontline's Private Grid services enable high performance private Grids to be architected and implemented for customers. These services will enable companies to effectively manage their computational resources, maintain critical service levels, as well as achieve a high job turn around time for critical computational processes.

- **BT Frontline Utility Grid**

The Utility Grid service will enable organisations to remotely utilise a highly available compute farm on a lease or metered basis, enabling them to better manage peak computational loads and maintain the service level commitment to their internal and external customers. The Utility Grid service comprise two service offerings:

- Service Management Consulting
- Remote Compute Farm Services

- **Service Management Consulting**

Our consultants will guide corporations in specifying service policies, objectives and commitments and establish strategies for maintaining the desired service levels through infrastructure provisioning of internal or external infrastructure resources (ie. Remote Compute Farm).

- **Remote Compute Farm Services**

Our remote compute farm service enables the seamless integration of an organisation's compute-intensive processes through infrastructure provisioning and managed services.

- Service planning and integration
- Sun AMD Opteron server clusters with configurable 16, 32 or 64 CPU on Solaris or Linux
- More than 3 TB of SAN storage
- Secured access via leased circuit or VPN
- Engineering and service desk support
- Lease or metered utility model

- **BT Frontline's Private Grid**

The Private Grid service will enable corporations to incorporate highly available Compute GRIDS within their enterprise. Providing architecture, solutions and implementation services, BT Frontline enable companies to establish their own pool of dependable and distributed computational resources to meet their business demands.

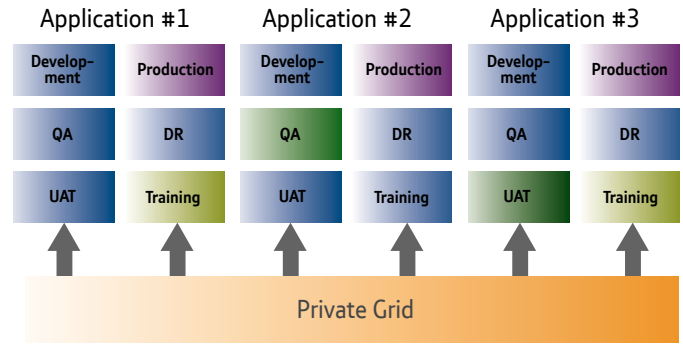
- Grid Architecting and Consulting
- Grid Management and Provisioning
- Grid Solutioning and Implementation

- **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 Solaris and Red Hat Enterprise Linux.

- **Application Areas**

- Engineering Design Simulation
- 3D Animation Rendering
- Optimisation and Planning
- Financial Analysis
- Data processing and sequencing



BT Frontline Private Grid

## Key Highlights

- **Utility Grid**
  - Utilise the power of a remote utility-based compute farm to address intensive computational needs.
  - Quick scalability of compute resources
  - Flexible and enables critical compute jobs to be completed faster.
- **Private Grid**
  - A flexible pool of internal compute resources
  - Automatic load sharing, provisioning and management solutions.

## Key Features

- **BT Frontline Private Grid**
  - Integrated compute environment within the company for compute-intensive processes.
  - Enables scalability and manageability of critical compute-intensive processes.
- **BT Frontline Utility Grid**
  - Enable organisations to manage periodic peak computational loads cost effectively through utility based charging.
  - Enable organisations to achieve a faster turn around time in deploying more resources to complete computational jobs faster
  - Enable organisations to maintain committed service levels on critical processes through service management and infrastructure provisioning.

BT Frontline Pte Ltd  
 750 Chai Chee Road  
 #02-01/02/03 The Oasis  
 Technopark@Chai Chee  
 Singapore 469000  
 Tel (65) 6773 7227  
 Fax (65) 6779 4455  
 www.btfrontline.com.sg

© 2010 BT Frontline Pte Ltd. No part of this document may be reproduced in any form without the express consent of BT Frontline Pte Ltd. All other brands and products names are trademarks or registered trademarks of their respective holders. Information in this publication is subject to change without notice.