

## IT Infrastructures

### Networks

Platform and Network Services solution is essential to manage your data centers and computing platforms from various angles - from service levels and operational efficiency to Total Cost of Ownership (TCO).

Platform and Network Services provide the architecture necessary to support a strong, scalable, and cost efficient infrastructure to enable more advanced capabilities, it is intended to enable rapid development and deployment of new converged infrastructure services.

With Platform and Network Services you can improve the scalability, flexibility, ease of maintenance, and usability of your business-critical applications to increase productivity and reduce costs.

**The benefits of Platform and Network Services can be achieved by using the latest available infrastructure technologies:**

- Directory services
- Storage management
- Server Virtualization
- Remote and rapid deployment
- Hot Patching
- File and Printing Services
- Identity and Access Management
- Rights management
- Remote Access
- End Point System Security
- Routing and Switching

**ISFP provides a wide range of scalable Platform and Network Services including:**

- Reducing total cost of ownership (TCO)
- Providing you with the maximum of service level commitments to your users
- Encouraging employees to be more productive and to use Business Objects in more aspects of their job
- Minimizing operation cost, since when the maintenance and support cost is minimized

**The Platform and Network Services Solution offered by ISFP promotes your business performance and productivity in terms of:**

- Planning Services for new or renovated platforms
- Installing Services and deploying your platform with the least cost
- Platform Maintenance and keeping platform highly available at the highest levels

ISFP uses best in class technologies to deliver its Platform and Network Services Solution.

Technologies used include:

- VMW
- Network Security
- Web filtering
- Routing and Switching
- Network load balance
- UNIX and Linux Administration
- Application Server deployment and administration
- ORACLE RAC
- ORACLE Database
- Windows Server family
- Active Directory
- Microsoft Virtual server
- BDD and Windows deployment services
- Distributed File system
- Windows server updates services
- Internet information services
- Identity management using Single sign on
- File and Printing services
- Name Resolution services
- Windows media services
- Terminal services
- Routing and Remote access
- Dynamic host configuration protocol (DHCP)

## Virtualization

Among the leading business challenges confronting CEOs and IT managers today are:

- Cost-effective utilization of IT infrastructure.
- Responsiveness in supporting new business initiatives.
- Flexibility in adapting to organizational changes.

Virtualization is a fundamental technological innovation that allows skilled IT managers to deploy creative solutions to such business challenges. Today's powerful x86 computer hardware was originally designed to run only a single operating system and a single application, but virtualization breaks that bond, making it possible to run multiple operating systems and multiple applications on the same computer at the same time, increasing the utilization and flexibility of hardware. Multiple virtual machines share hardware resources without interfering with each other so that you can safely run several operating systems and applications at the same time on a single computer.

ISFP provides a wide range of scalable Virtualization Solutions including:

- Sizing and Capacity Planning for servers and storage to host virtual setup
- Design and implementation for virtual environment
- Physical to Virtual conversion and Migration

- Virtual to Physical Conversion and Migration
- Servers consolidation service
- Branch office virtualization

**Virtualization Solutions offered by ISFP promotes your Business performance and productivity in terms of:**

- Consolidating Excess Hardware & Increasing Server Utilization by hosting multiple virtual machines on the same hardware.
- Business Continuity by minimizing the time for new server provisioning and minimizing the time to backup.
- Non-disruptive backup and restore processes.
- Reduced planned and unplanned downtime.
- Hardware independent recovery.
- Simplifying IT management and accelerating provisioning of remote systems.
- Always ensuring on availability and recovering quickly from disasters.
- Reducing IT hardware and operating costs for servers and desktops.

**ISFP uses best in class technologies to deliver its Virtualization Solution. Technologies used include:**

- VMW
- Microsoft Virtual Server
- Microsoft Virtual Desktop
- Microsoft Windows 2008 Server

## **Business Continuity**

A Business Continuity Solution is essential to the continued success of an organization. Clearly, it is intended to provide contingency planning for continuous business operations in the event of unforeseen, difficult or catastrophic circumstances.

In the field of IT, data loss refers to the unforeseen loss of data or information. An occurrence of data loss can be called a Data Loss Event and there are several possible root causes. Data loss must be distinguished from data unavailability that may arise from a network outage.

Although the two have substantially similar effects, data unavailability is temporary while data loss is permanent. Backup and recovery schemes are developed to restore lost data. *Data loss protection* is the process of salvaging data from damaged, failed, corrupted or inaccessible primary storage media when it cannot be accessed normally. Often the data are being salvaged from storage media formats such as hard disk drive, storage tapes, CDs, DVDs, RAID, and other electronics. This can be due to physical damage to the storage device or logical damage to the file system that prevents it from being mounted by the host operating system.