

Virtualization Consulting Services

Introduction

In a recent study, Gartner estimates that data centers are on an average idle 85% of the times, and thus are notoriously underutilized.

In most cases this is due to

- Over provisioning (provisioning for peak loads)
- Insufficient capacity planning and sizing
- Improper estimation of scalability requirements

In order to counter this we need to design systems to be always running at near peak load, so the investments made on the hardware, software, the data center infrastructure and the people running them are justified.

This technology is called Virtualization.

Virtualization is the creation of a virtual subset within a larger superset of a physically superior hardware. It could be an operating environment such as a server, a storage device or a network or combination of all.

Business Challenges of traditional IT infrastructure

- Underutilization of available resources - CPU and memory capacity (<15%)
- Over provision of servers, higher support / acquisition costs and provisioning timelines
- Complex architecture, difficult to manage, personnel overhead
- Higher downtime due to disparate infrastructure inter-dependencies
- Higher time to launch new applications, upgrade or migrate
- Higher operating costs
- Large physical data center foot print

Benefits of Virtualization

- Reduced CapEx and OpEx
- Green IT, reducing the carbon footprint
- Increased efficiency and flexibility
- Lower time to market for new applications
- Enhanced disaster recovery capabilities
- Enhanced data and application resiliency

Virtualization Technologies

Server Virtualization

- Hyper-V
- VMWare ESXi / ESX
- VMWare Server
- Xen Server
- KVM
- Microsoft Virtual Server 2005

Application Virtualization

- VMWare Thinapp
- Citrix Xen App
- Microsoft SoftGrid

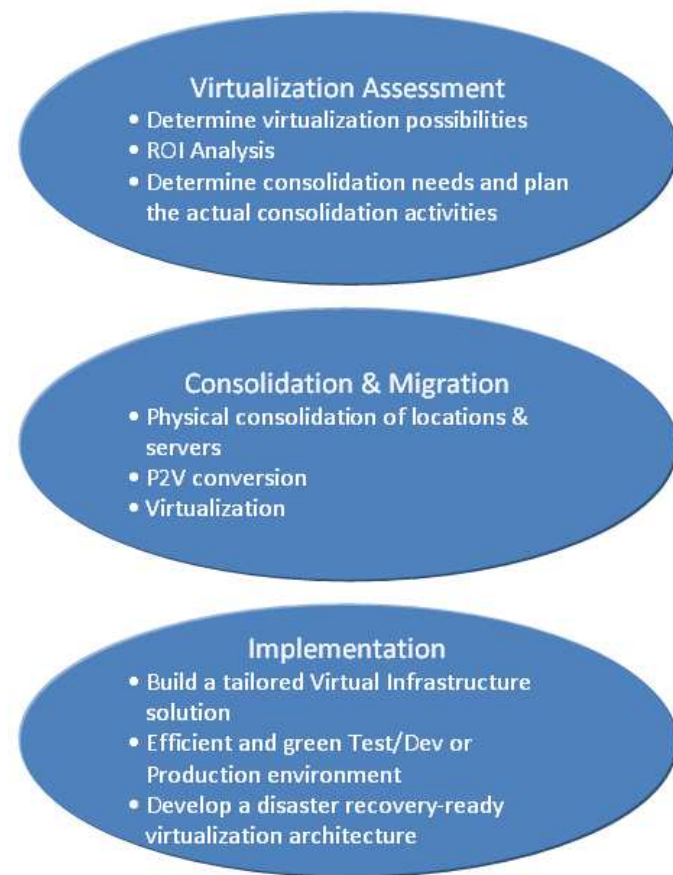
Presentation Virtualization

- MS Terminal Services

Desktop Virtualization

- VMWare Workstation
- VMWare View
- Xen Desktop
- Microsoft Virtual PC

Intelligroup Services around Virtualization



Intelligroup Packaged Virtualization Services Offering

- Consolidation of 100 physical servers to 20 physical servers (guaranteed)
- Could be to lesser servers depending on hardware configuration and applications
- 8 weeks, \$ 30,000/-

The process involves four distinct phases

- Assessment
- Planning
- Consolidation
- Virtualization

Assessment

- Information gathering
- Data collection tools for Performance analysis
- Identifying the roles of the servers
- Hardware upgrade analysis
- Workload analysis
- Applications and compatibility analysis
- Prioritization of applications

Planning

- Solution Design and Hardware Sizing
- Product recommendation
- Disaster recovery considerations
- Hardware & Licensing considerations
- Additional investments
- Proof of concept
- Project plan

Physical Consolidation

- Consolidate IT assets and data centers
- Standardize and centralize management
- Phase out inefficient hardware

Virtualization

- Migrate Non-Production Instances
- Validate Timelines and Fall back Options
- Publish Estimated Downtimes
- Freeze Go-live dates
- Prepare and migrate production instances

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About Intelligroup

Intelligroup is an ERP-focused enterprise applications systems integrator providing consulting, implementation, testing, application management, infrastructure management, and other IT services for global corporations. The Company possesses deep expertise and proprietary tools in industry-specific enterprise solutions and has been recognized by clients, partners including SAP and Oracle and IT industry analysts for consistently exceeding expectations. Intelligroup won the 2009 global annual Pinnacle Award from SAP, was a finalist in Oracle 2009 Titan Awards, and was recognized by NASSCOM as a Top 100 Innovator. Intelligroup's global service delivery model combines onsite teams and offshore development capabilities to deliver solutions that accelerate results, reduce costs and generate meaningful ROI for clients. For more information please visit www.intelligroup.com.

