



## Server Virtualisation Solution and Implementation Analysis and Design



### Our Mission

“Through continual investment in technology and people, DSS deliver innovative business solutions based on a clear understanding of needs and proven project methodologies”

### Server Virtualisation Solution and Implementation Analysis and Design

The objective of this service from DSS is to produce a complete and comprehensive design and plan for implementation of server virtualisation within your organisation. This will identify all the issues and benefits

The purpose is to provide you with a roadmap for the implementation of server virtualisation, a realistic and achievable project plan and schedule for the delivery of the project, a definition of the target virtual infrastructure and a detailed financial analysis including a quantification of the benefits. It will show how server virtualisation can fit into your existing information technology infrastructure and operations.

This will enable you to prepare a business case for server virtualisation safe in the knowledge that the information it contains is accurate and detailed. It will equip you with all the facts you need to understand if server virtualisation will deliver you bottom-line business benefits. It will also allow you to use the plan to monitor the subsequent delivery.

### Scope of Server Virtualisation Solution and Implementation Analysis and Design

The scope of the Implementation Analysis and Design exercise is:

#### Site Discovery

- Server and Application Inventory
- Virtualisation Architecture and Implementation Options
- Identification of Requirements
- Identification of Virtualisation Exclusions
- Quantification of Cost Savings
- Definition of Virtualisation Benefits
- Information Technology Strategy
- Projected Server Requirements
- Capacity Planning

#### Virtualisation Architecture

- Definition of Physical Architecture
- Definition of System Management Model
- Implementation Roadmap and Schedule
- System Availability and Continuity of Operations
- Detailed Delivery Plan
- Infrastructure Acquisition
- Virtualisation Installation, Configuration and Implementation
- Server Migration
- Documentation, Training and Handover Requirements
- Operation, Maintenance, Support and Administration Requirements

#### Virtualisation Implementation

- System Benefits
- Project Costs
- Project Savings

#### Financial Analysis



## Server Virtualisation Solution and Implementation Analysis and Design



### Outputs from Server Virtualisation Solution and Implementation Analysis and Design

The outputs from the Server Virtualisation Solution and Implementation Analysis and Design exercise will be:

1. A detailed report documenting all aspects of the Server Virtualisation Solution and Implementation Analysis and Design
2. Summary material that you can use to present to your management

All material will be produced in draft format for review and agreement prior to a final document being created.

The Table of Contents of the final Server Virtualisation Solution and Implementation Analysis and Design report will be:

1. Executive Summary
2. Introduction, Purpose and Scope
  - 2.1 Objectives of this Analysis
  - 2.2 Summary of Information Sources
  - 2.3 Definitions
3. Site Discovery
  - 3.1 Server and Application Inventory
  - 3.2 Server Configuration
  - 3.3 Data Storage and Access
  - 3.4 Existing Information Technology Structure and Operations
4. Current Issues and Requirements
  - 4.1 Business Requirements and Issues
  - 4.2 Information Technology Requirements and Issues
5. Capacity Planning and Performance
  - 5.1 Server Performance and Capacity
  - 5.2 Server Capacity Projections
6. Server Virtualisation Architecture
  - 6.1 Virtualisation System Architecture and Configuration
  - 6.2 Server Virtualisation Solution Design
  - 6.3 Definition of Physical Architecture
  - 6.4 Virtualisation Architecture and Implementation Options
  - 6.5 Identification of Virtualisation Exclusions
  - 6.6 System Availability and Continuity of Operations
  - 6.7 Backup and Recovery
  - 6.8 Definition of System Operation, Management and Administration Model
7. Implementation Plan and Schedule
  - 7.1 Project Plan and Schedule
  - 7.2 Project Organisation and Structure
  - 7.3 Project Resources
  - 7.4 Project Assumptions
  - 7.5 Project Risks
  - 7.6 Project Issues
  - 7.7 Project Dependencies
  - 7.8 Testing and Cutover
8. Financial Analysis



## Server Virtualisation Solution and Implementation Analysis and Design



- 8.1 Project Costs
  - 8.1.1 Infrastructure Requirements and Costs
  - 8.1.2 Software Licence Costs
  - 8.1.3 Project Costs
- 8.2 Project Savings and Benefits
  - 8.2.1 Server Reuse
  - 8.2.2 Server Acquisition Deferral
  - 8.2.3 Environmental Savings
  - 8.2.4 Operations and Management Savings
  - 8.2.5 Project Benefits

### Financial Analysis

The DSS Server Virtualisation Solution and Implementation Analysis and Design exercise costs between €5,700 and €11,400

The expected duration is between eight and twelve days.

### About DSS

DSS have been providing end-to-end IT infrastructure and technology solutions to the Irish market for the past 20 years. Specialisation in large scale server and storage deployments has been developed around the process driven supply of hardware solutions.

Technical consultancy and project management services are provided around our core capabilities in **virtualisation and consolidation technologies, advanced infrastructure solutions, networking, storage technologies and maintenance services**. DSS is a privately owned Irish company with offices in Ireland, Germany and Poland, has an annual turnover of €40M and employs 110 people.