Enterprise Network Architecture

Les Entreprises **Resolutions** Enterprises

Blueprint: Enterprise Network Design

This blueprint outlines the process to use for the design of an Enterprise Network Architecture. It is concentrated on three basic steps:

- Identify Business Requirements
- Identify Technical Requirements
- Design the Solution

Analysis		Solution Design	
Business Requirements	**Technical Requirements**	**Enterprise Network Architecture**	

Business Requirements

1- Business Model
- ❑ Organization Model
- ❑ Organization Goals
- ❑ Products & Services
- ❑ Geographic Scope
- ❑ Organization Processes

2- Organization Structure
- ❑ Management Model
- ❑ Organization Structure
- ❑ Vendors/Partner/ Customer Relationships
- ❑ Acquisition Plans (Business)

3- Organization Strategies
- ❑ Business Priorities
- ❑ Projected Growth and Strategy
- ❑ Legal Implications
- ❑ Tolerance for Risk
- ❑ TCO Objectives

4- IT Management
- ❑ Centralized/ Decentralized Management
- ❑ Funding Model
- ❑ Outsourcing/In-house?
- ❑ Decision-making Process
- ❑ Change Management Process

Technical Requirements

1- Existing/Planned IT Environment
- ❑ Organization size
- ❑ Number of Users
- ❑ Resources Location
- ❑ Network Geographic Distribution and Links
- ❑ Available Bandwidth
- ❑ H/S Performance Requirements
- ❑ Data Patterns
- ❑ Network Roles and Responsibilities
- ❑ Security Issues

2- Impact of Enterprise Network
- ❑ Existing Systems and Applications
- ❑ Planned Upgrades/Rollouts
- ❑ IP Infrastructure
- ❑ Technology Support Structure
- ❑ Current Planned Network & System Management
- ❑ Authentication Services

3- Client/PC Desktop Management
- ❑ End User Requirements
- ❑ Technology Support for End Users
- ❑ Required Client Environment
- ❑ Internal/External Client Base

Enterprise Network Architecture

1- Planning
- ❑ Review Requirements
- ❑ Review new Products Features
- ❑ Create Initial Architecture
- ❑ Prepare for the Installation

2- Installation
- ❑ Preparation
- ❑ Initial Installation
- ❑ Automating Installations
- ❑ Server Staging

3- AD Infrastructure
- ❑ AD Design
- ❑ AD Installation
- ❑ AD Management

4- IP Infrastructure
- ❑ Network Settings
- ❑ Connection Management
- ❑ IP Addressing
- ❑ Name Resolution

5- PC Management Strategy
- ❑ Managing Objects with Group Policy
- ❑ Software Installation
- ❑ Environment Management

6- User Support Infrastructure
- ❑ User Management (Accounts, Groups, Authentication)
- ❑ User Environment Management

7- Shared Resources & Internetworking
- ❑ Sharing Folders
- ❑ Sharing Printers
- ❑ Sharing Applications
- ❑ Auditing Resources
- ❑ Internet Information Server
- ❑ IP Routing
- ❑ Remote Access

8- Security Infrastructure
- ❑ Security Policy Design
- ❑ Security Resources
- ❑ IIS Security
- ❑ Public Key Infrastructure (PKI)

9- Resilience Management
- ❑ Disaster Recovery
- ❑ Troubleshooting Strategy
- ❑ Redundancy Planning

10- Network Administration
- ❑ Administration Design
- ❑ Remote Administration
- ❑ Routine Tasks
- ❑ Performance Management
- ❑ Directory Management

Notes

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Date: _____   By: _____