

# PERANGKAT LUNAK ERP

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Purdianta

# Pengantar

- Dewasa ini, terdapat sekitar ratusan jenis software ERP dengan berbagai fitur, versi, skala dan kemampuan.
- Beberapa vendor penyedia software tersebut ada yang membuat sistem ERP untuk berbagai jenis industri, tetapi ada juga yang spesifik untuk industri tertentu.
- Dalam perkembangannya banyak juga vendor ERP yang melakukan penggabung usaha atau merger untuk meningkatkan kualitas produk.

# ERP Vendor



Oracle



# SAP

- SAP AG adalah perusahaan penyedia dan konsultan software yang didirikan di Jerman pada tahun 1972.
- SAP singkatan dari *System, Application And Product In Data Processing*.
- SAP terdiri atas beberapa modul yang saling terintegrasi.
- Produk utamanya meliputi *SAP Enterprises Core*, yang merupakan solusi aplikasi ERP, dan *SAP Business Suite*.
  - SAP SCM
  - SAP SRM
  - SAP PLM

# SAP

- Fungsi-fungsi utama yang terdapat didalam SAP ERP system:
  - Akuntansi biaya : GL, AR, AP dan lain-lain
  - Akuntansi Manajemen: cost center, profitability analysis, dan sebagainya.
  - Penjualan
  - Distribusi
  - Manufaktur
  - Perencanaan Produksi
  - Pengadaan
  - Sumber Daya Manusia
  - Penggajian



# SAP

- SAP ERP adalah satu paket sistem yang terdiri atas submodul:
  - Finance
  - Human Capital Management
  - Operational
  - Layanan Korporat

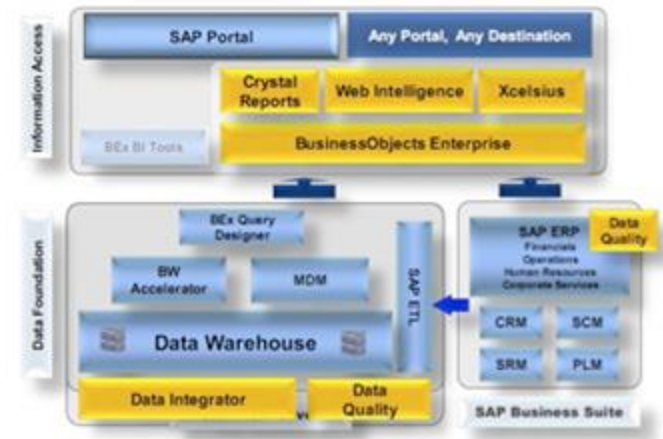


# SAP

- Selain produk utama SPA juga menyediakan berbagai produk tambahan yang dapat diklasifikasikan sebagai berikut:
  - *Add-in* : fungsional detail untuk kemampuan komponen yang sudah ada. Add ini mengakomodasi kebutuhan user yang terlalu spesifik jika harus dipenuhi dalam produk utama.
  - *Add-on*: komponen yang disediakan oleh vendor, pihak ketiga atau konsumen untuk menambah fungsionalitas produk utama. Add-on dapat ditambahkan dan sinkronisasi dengan produk utama.
  - *Bolt-on* : aplikasi pihak ketiga dengan fungsionalitas tambahan yang tidak disediakan oleh produk vendor atau dipilih untuk digunakan oleh konsumen ketika memilih solusi ERP Vendor.

# SAP

- Beberapa produk tambahan yang disiapkan oleh SAP, seperti:
  - *mySAP Business Suite*
  - *SAP xApps*
  - *SAP Manufacturing*
  - *SAP Service and Asset Management*
  - *SAP Solutions for mobile business*
  - *SAP Analytics*





# SAP

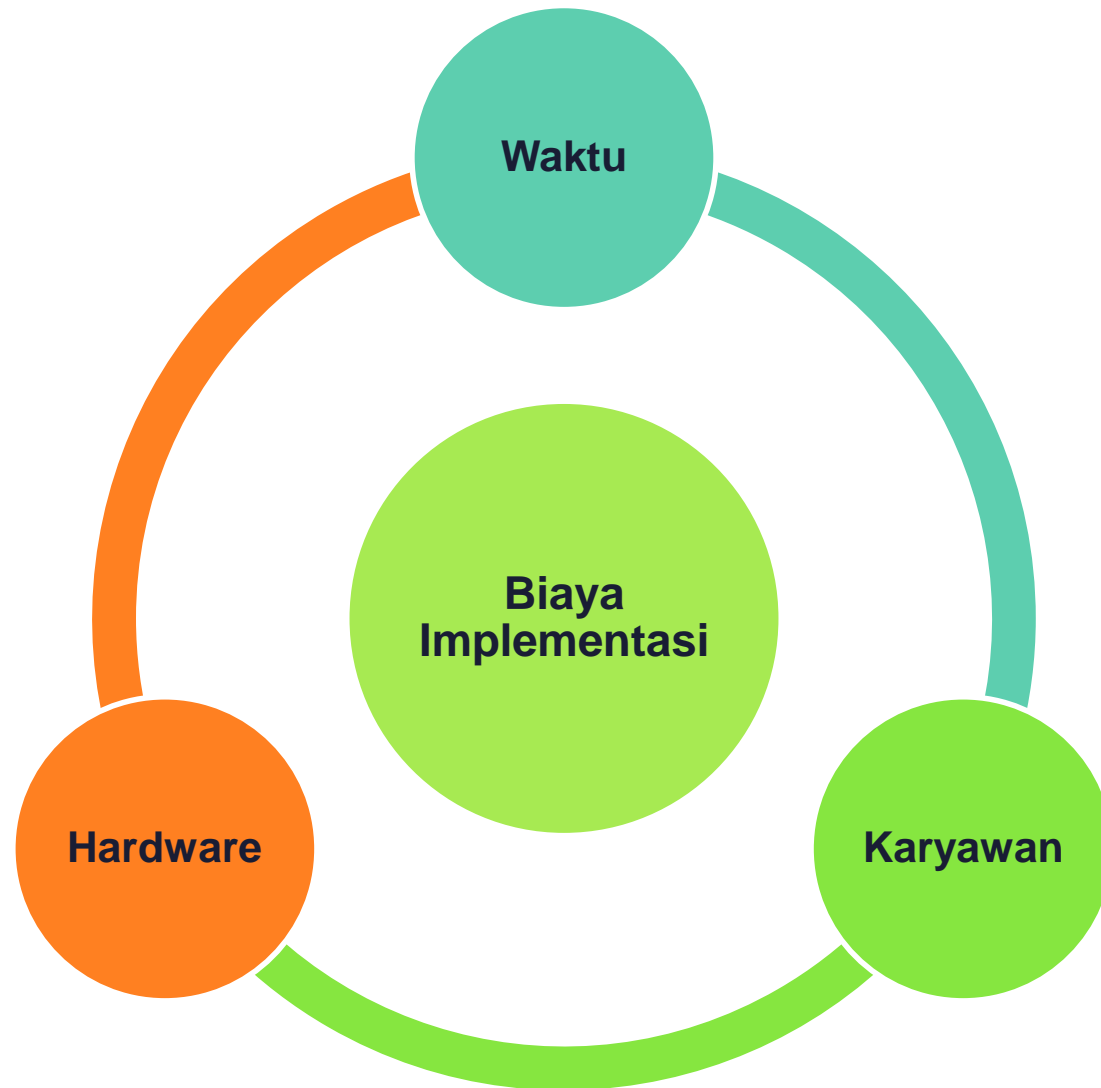
**SAP Business ByDesign is a fully integrated system. All process steps within a business scenario are executed in one single system and all subsequent data is connected to each other.**



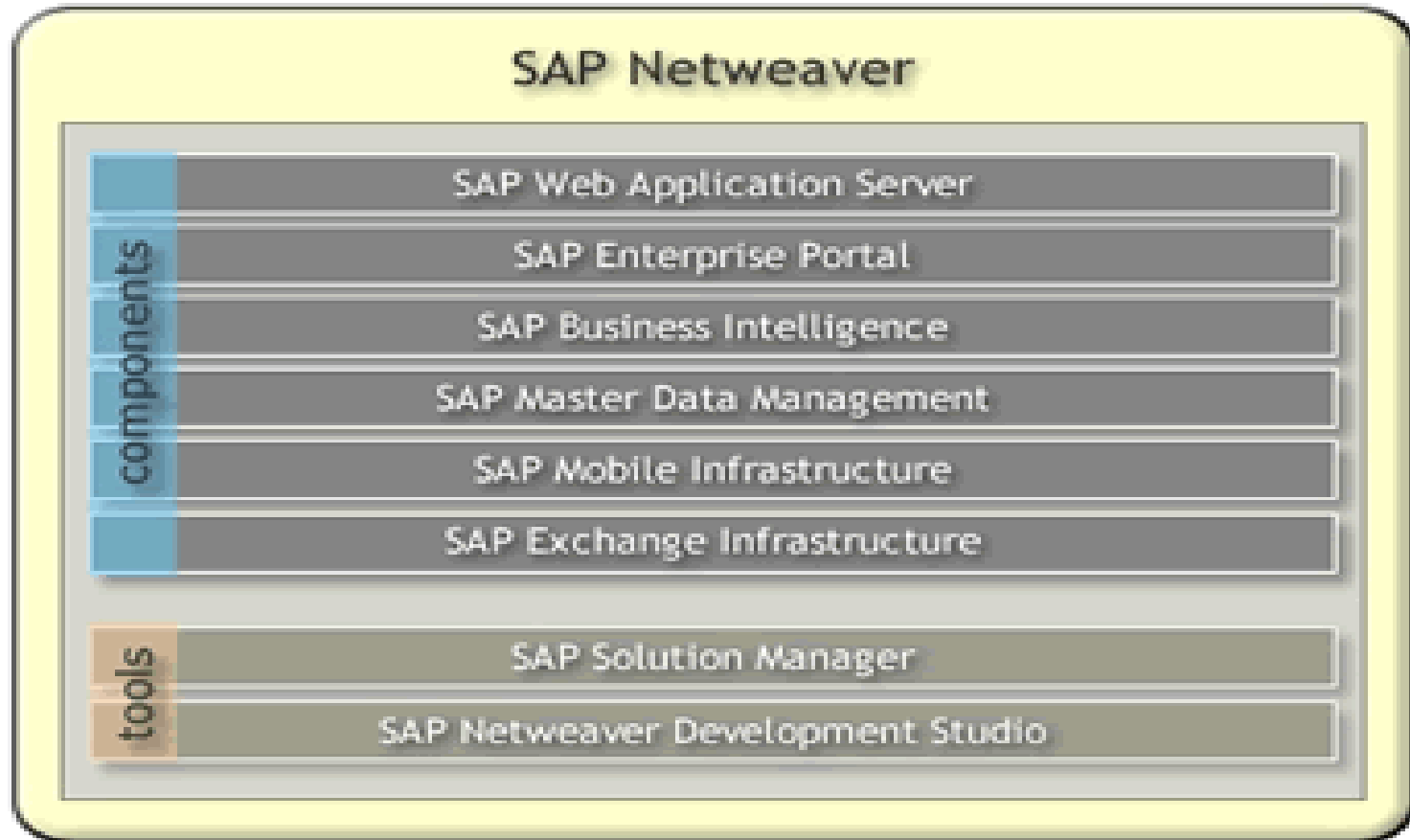
# SAP

- SAP xApps adalah sejenis ekstensi aplikasi yang dikembangkan oleh SAP beserta mitra yang disertifikasi, untuk segmen industri tertentu:
  - SAP xApps Cost and Quotation Management ( SAP xCQM)-Biaya eksternal dan internal
  - SAP xApp Emission Management (SAP x EM)-Konsumsi energi dan produksi karbon dioksida
  - SAP xApp Integrated Exploration and Production (SAP xIEP)- optimasi siklus hidup eksplorasi dan produksi (E&P)
  - SAP xApp Product Definition (SAP xPD)-Mewujudkan ide produk
  - SAP X App Resource and Portofolio Management (SAP xRPM)- Proyek riset dan pengembangan
  - SAP Global Trade Service (SAP GTS)- Otomatisasi garis lintas batas pada proses perdagangan dan pengelolaan resiko

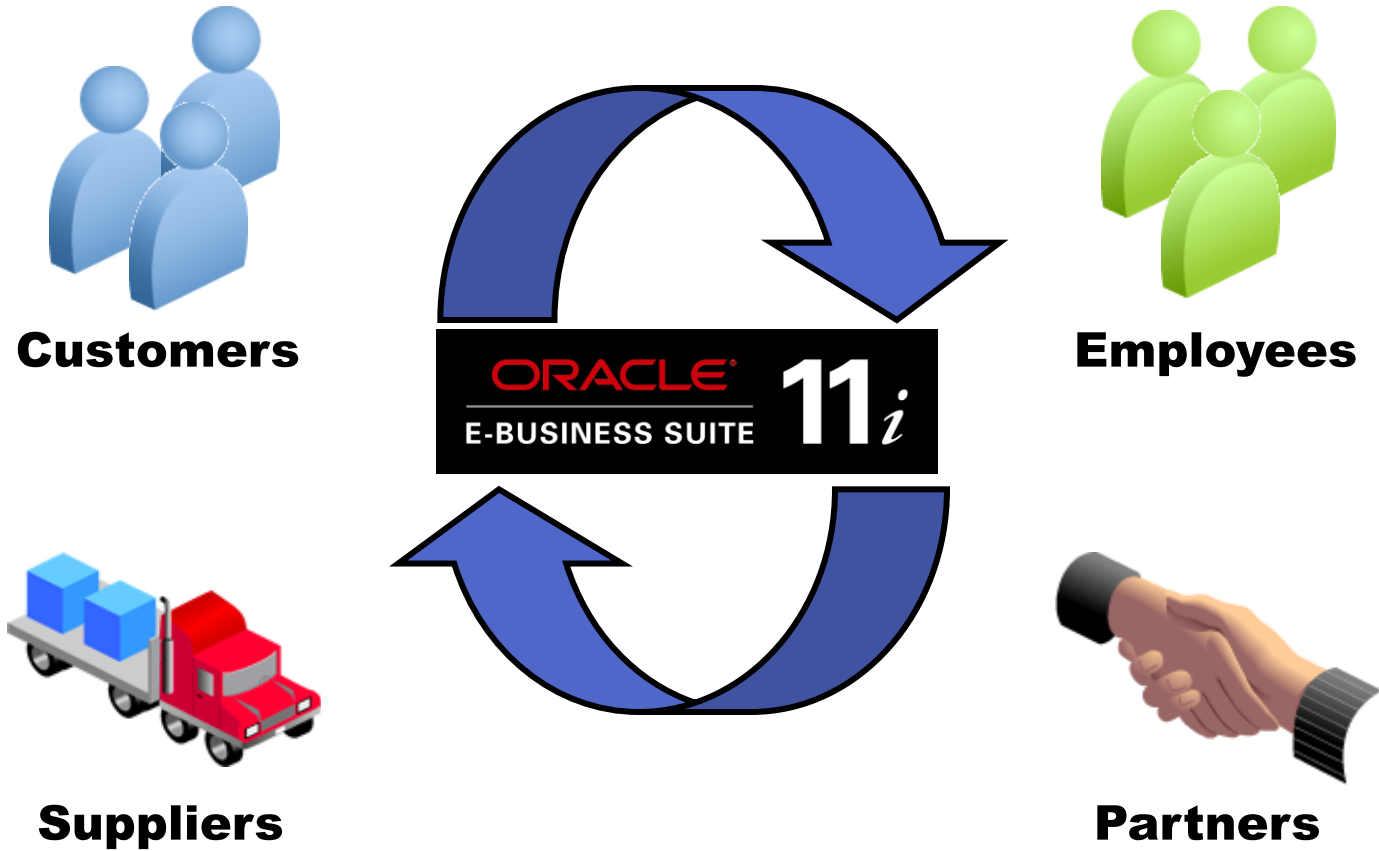
# SAP



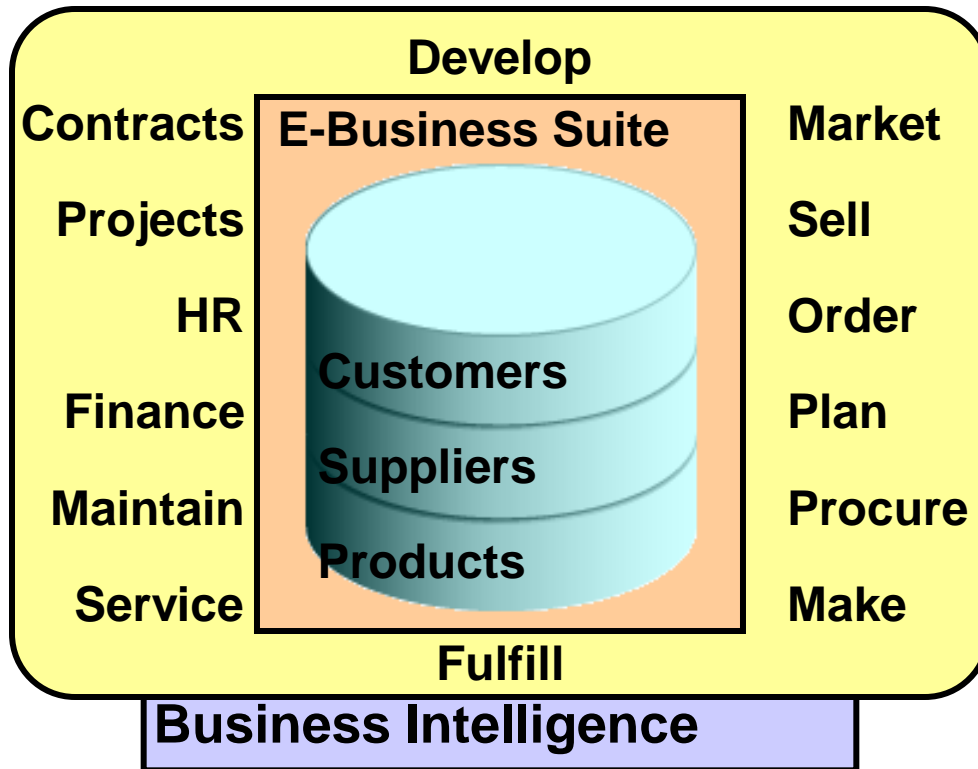
# SAP



# Oracle E-Business Suite



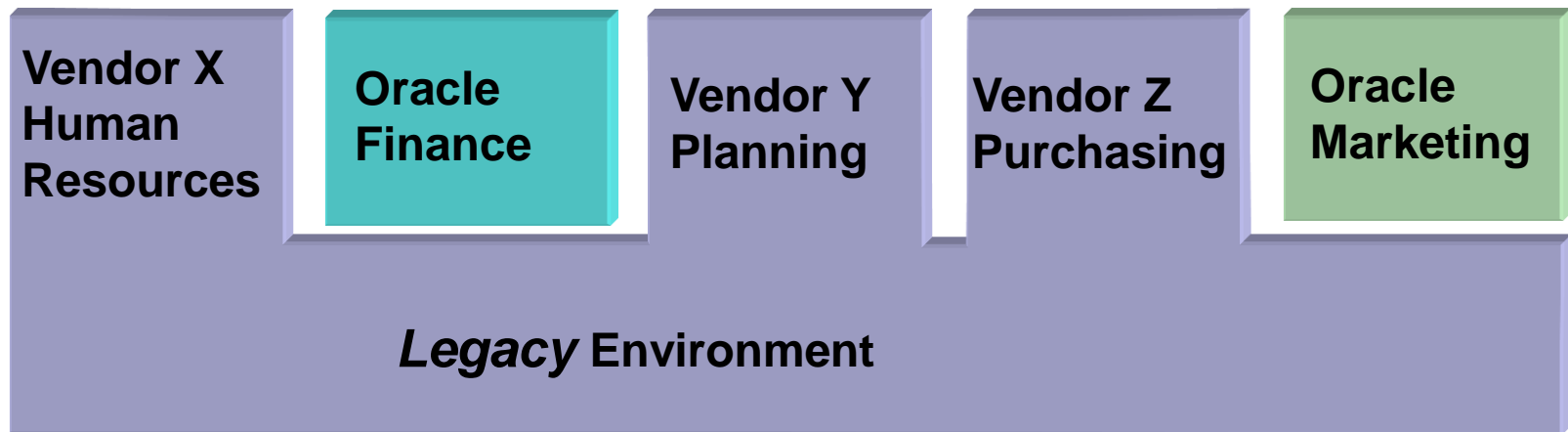
# Oracle: Complete E-Business Suite



- Automate key internal business processes
- Extend automation and collaborate with your trading partners
- Drive continuous improvement with real-time intelligence

# Integrated, Yet Modular

*Fits into Legacy Environment*



Open applications solution enables you to:

- Leverage investment in existing technology
- Eliminate disparate systems as needed

# Benefits of Oracle E-Business Suite

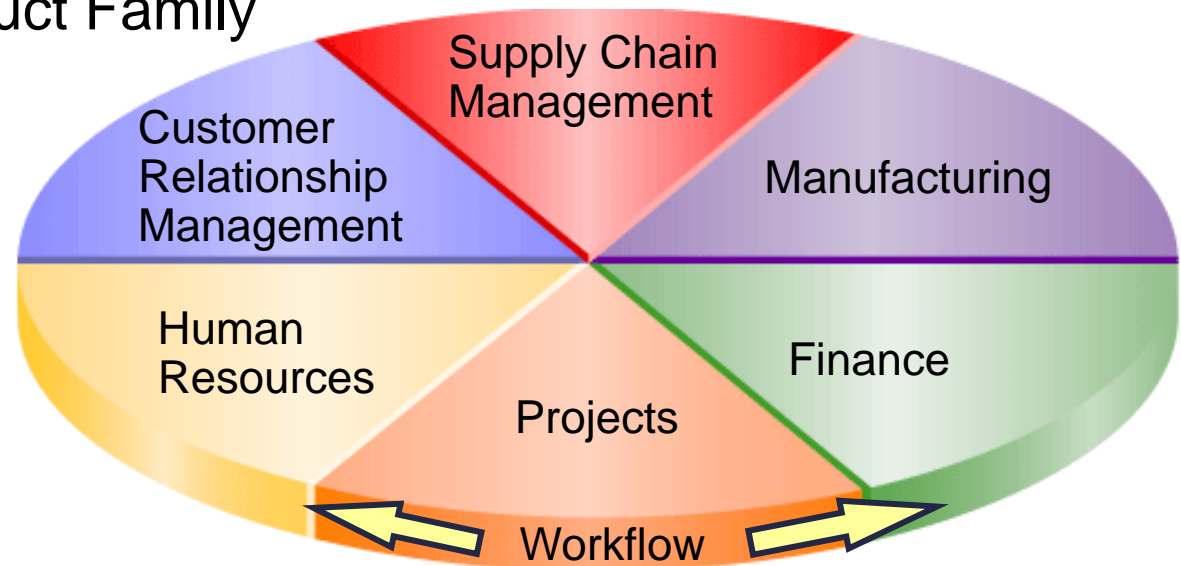
- Available in 30 languages
- Supports multiple currencies
- Supports flexible management of business processes
- Has a common data model
- Supports statutory and customary local requirements
- Is built on open standards
- Collaborates with trading partners





# Some Oracle Application Product Families

- Oracle Financials
- Customer Relationship Management Suite
- Project Management Product Suite
- Supply Chain Planning and Management Suite
- Manufacturing – Discrete and Process and Order Management
- HRMS Product Family



# 11i10 EBS Footprint

## Automate All Business Processes Across All Functional Areas

### Order Management

- Order Management
- Configurator
- Advanced Pricing
- iStore
- TeleSales
- Quoting and Proposals
- Trade Management
- Release Management
- Sales Contracts

### Supply Chain Planning

- Demand Planning
- Advanced Supply Planning
- Constraint Optimization
- Global Order Promising
- Manufacturing Scheduling
- Inventory Optimization
- Collaborative Planning
- Transportation Planning

### Procurement

- Purchasing
- iProcurement
- Sourcing
- iSupplier Portal
- Procurement Contracts
- Services Procurement

### Manufacturing

- Discrete Manufacturing
  - Project Manufacturing
  - Flow Manufacturing
  - Project Contracts
  - Shop Floor Management
- Process Manufacturing

### Logistics

- Inventory Management
- Mobile Supply Chain Apps
- Warehouse Management
- Transportation Execution

### Service

- TeleService
- iSupport
- Service Contracts
- Depot Repair
- Field Service
  - Spares Management
  - Advanced Scheduler
  - Mobile Field Service

### Maintenance Mgmt

- Enterprise Asset Mgmt
- Self-Service Work Requests
- Property Manager

### Product Lifecycle Mgmt

- Advanced Product Catalog
- CADView-3D
- Project Mgmt / Collab Suite
- UCCNet Trading Connector

New in 11i.10

# 11i10 EBS Footprint

## Automate All Business Processes Across All Functional Areas

### Finance

#### Financials

- General Ledger
- Receivables
- Credit Management
- Payables / *i*Payment
- Cash Management
- Assets
- Property Manager
- [Bill Presentment Arch.](#)

Internet Expenses

[iAssets](#)

*i*Receivables

Advanced Collections

Treasury

Lease Management

Internal Controls Manager

Activity Based Management

### Customer Data Mgmt

Customer Hub

Customer Spoke

Customer Data Librarian

### Human Resources

#### Human Resources

- Self-Service HR
- Payroll
- Advanced Benefits
- Time and Labor
- Training Administration
- i*Learning
- i*Recruitment

### Projects

Project Management

Project Collaboration

Project Resource Mgmt

Project Costing

- Project Billing

Project Contracts

[Portfolio Planning \(11i.10+\)](#)

### Marketing and Sales

#### Marketing

- Trade Management
- Partner Management
- Advanced Pricing
- TeleSales
- Field Sales
- Quoting
- Proposals
- Incentive Compensation
- [Sales Contracts](#)

### Interaction Center

- Advanced Inbound Telephony
- Advanced Outbound
- Scripting
- eMail Center

### Intelligence

- e-Business Intelligence
- Balanced Scorecard
- Financials & Sales Analyzers
- [Enterprise Planning & Budgeting](#)

**New in 11i.10**

# Automate All Business Processes

Across All Industries



# Understanding the 11*i* Architecture

- Business Architecture
- Technical Architecture



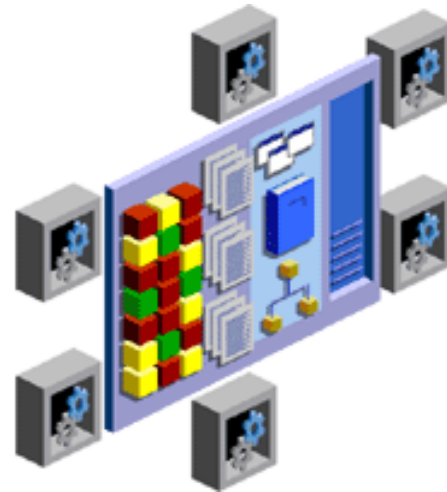
# The Business Architecture of 11i

- Modern Foundation
- Complete
- End-to-end Integration
- Global
- Rapid Implementation

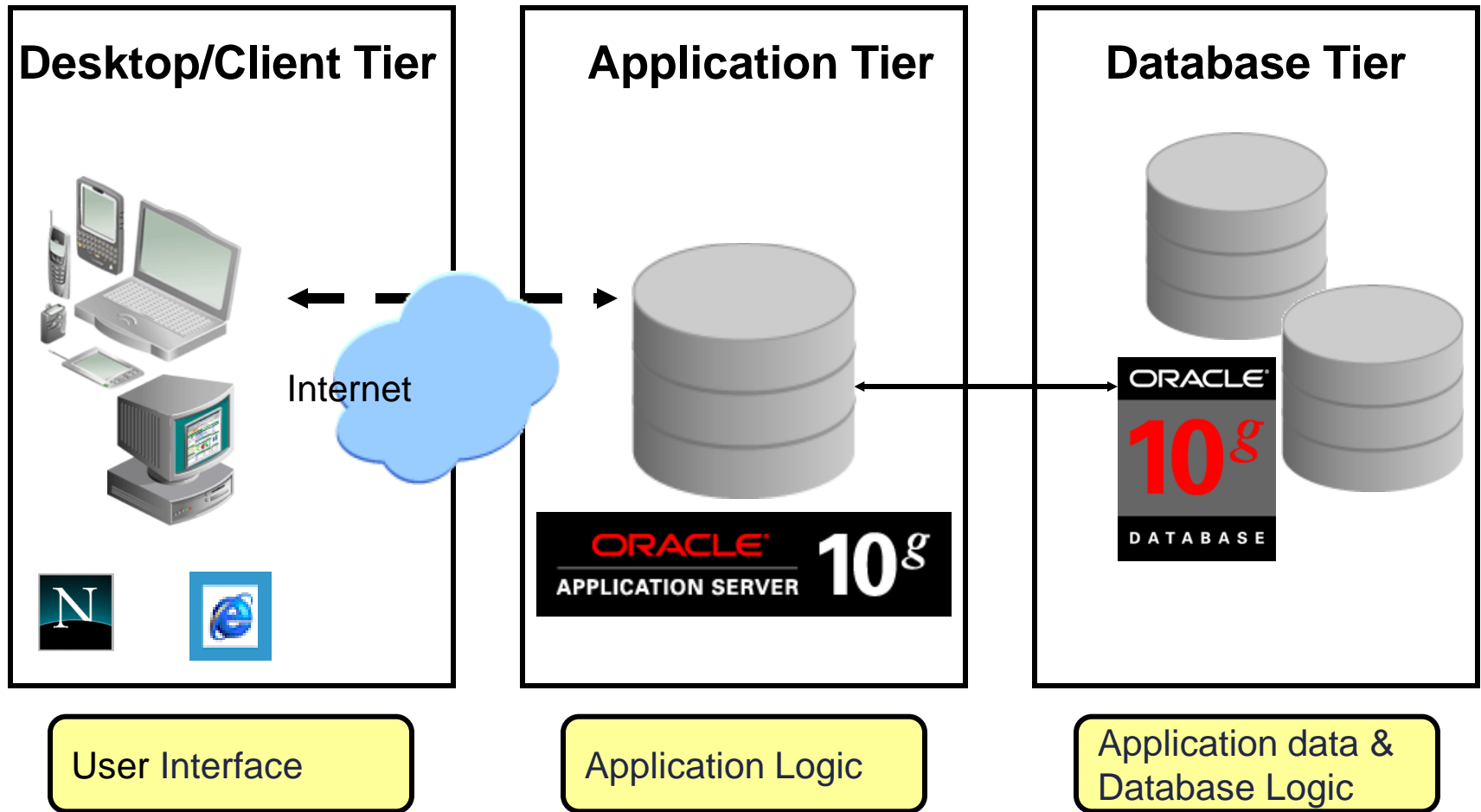


# The Technical Architecture of 11i

- Forms-based
- Self-service (HTML/JSPs)
- Business Intelligence
- Mobile

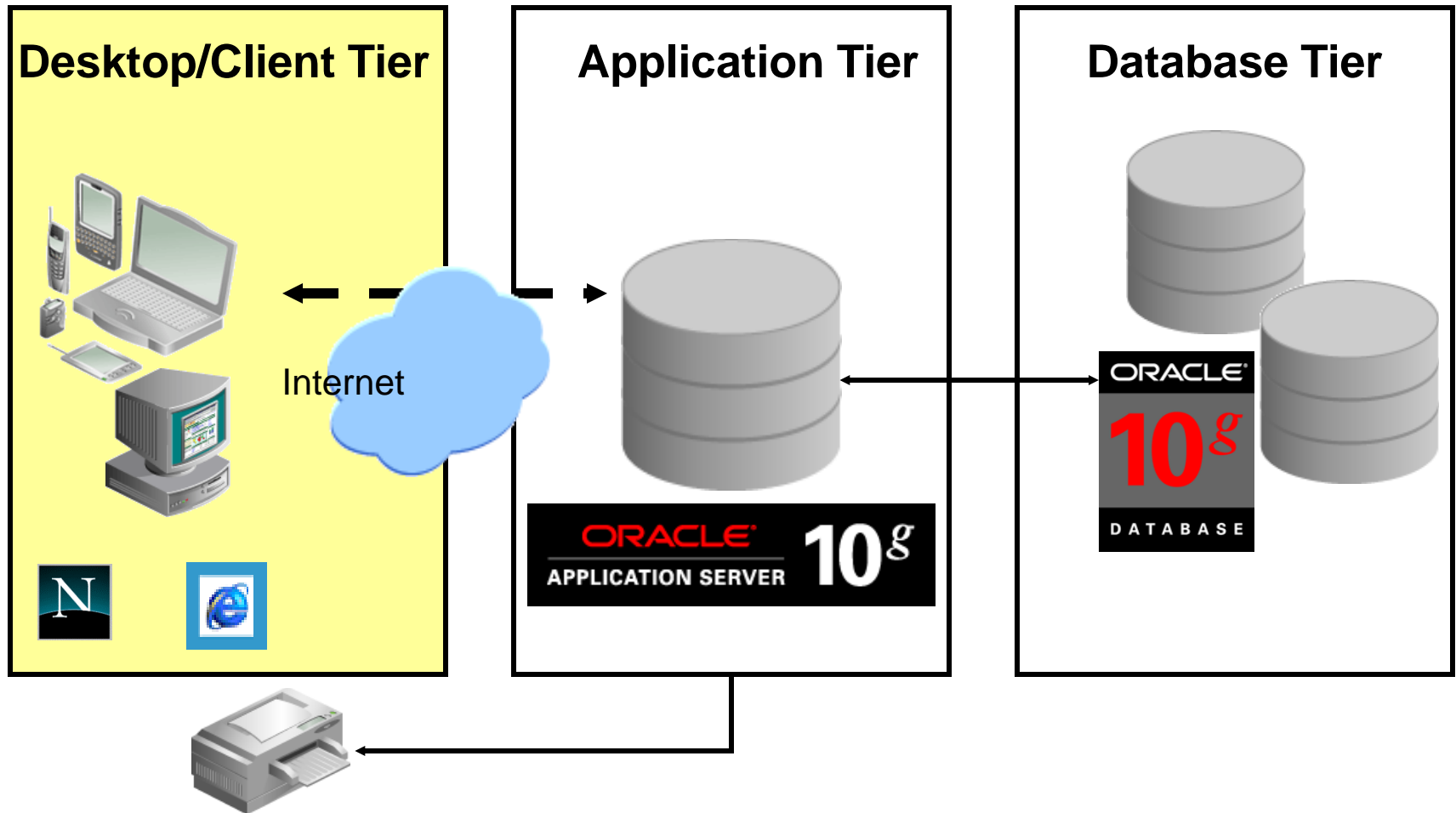


# Basic Technical Architecture of Oracle E-Business Suite

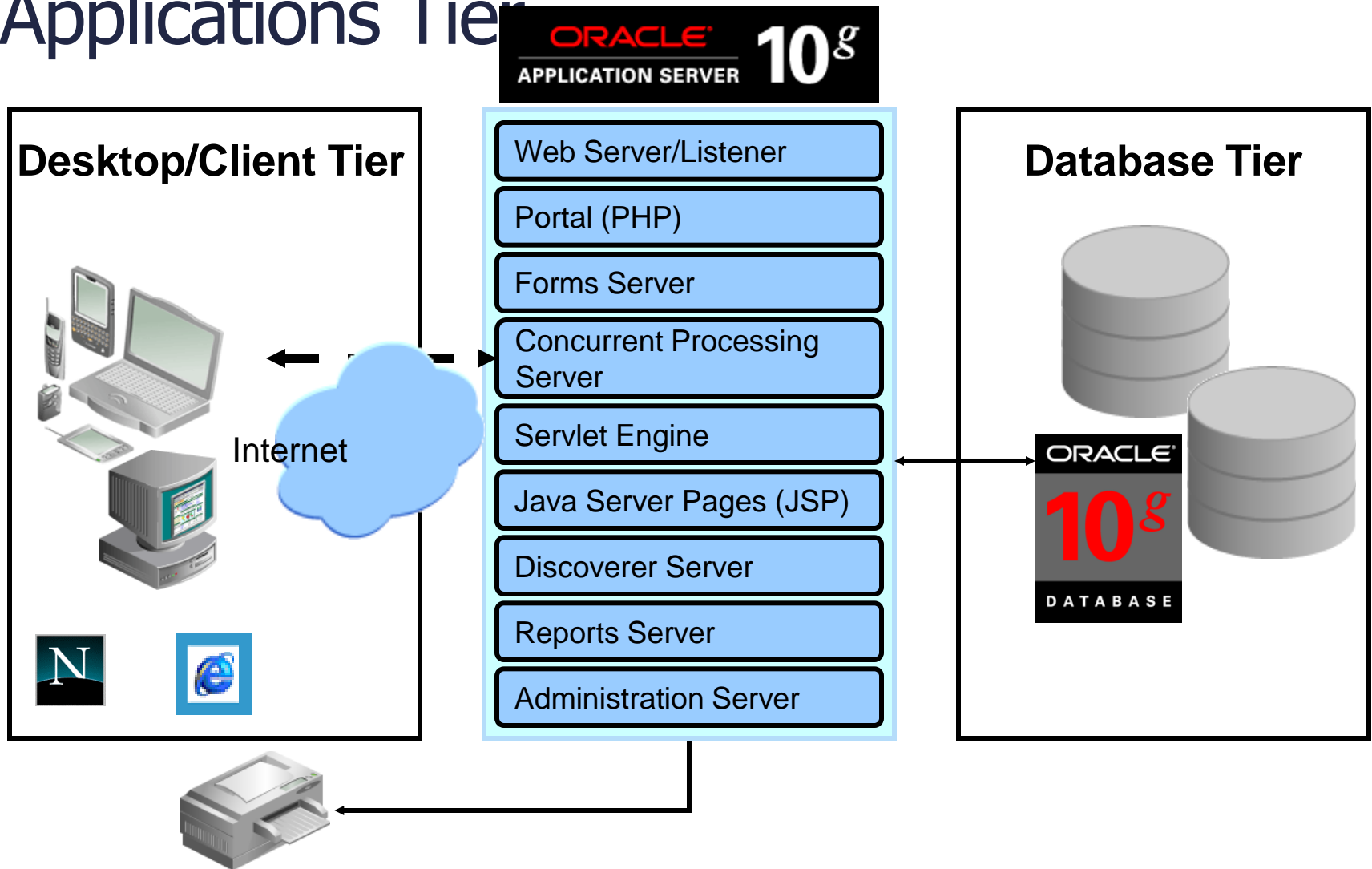




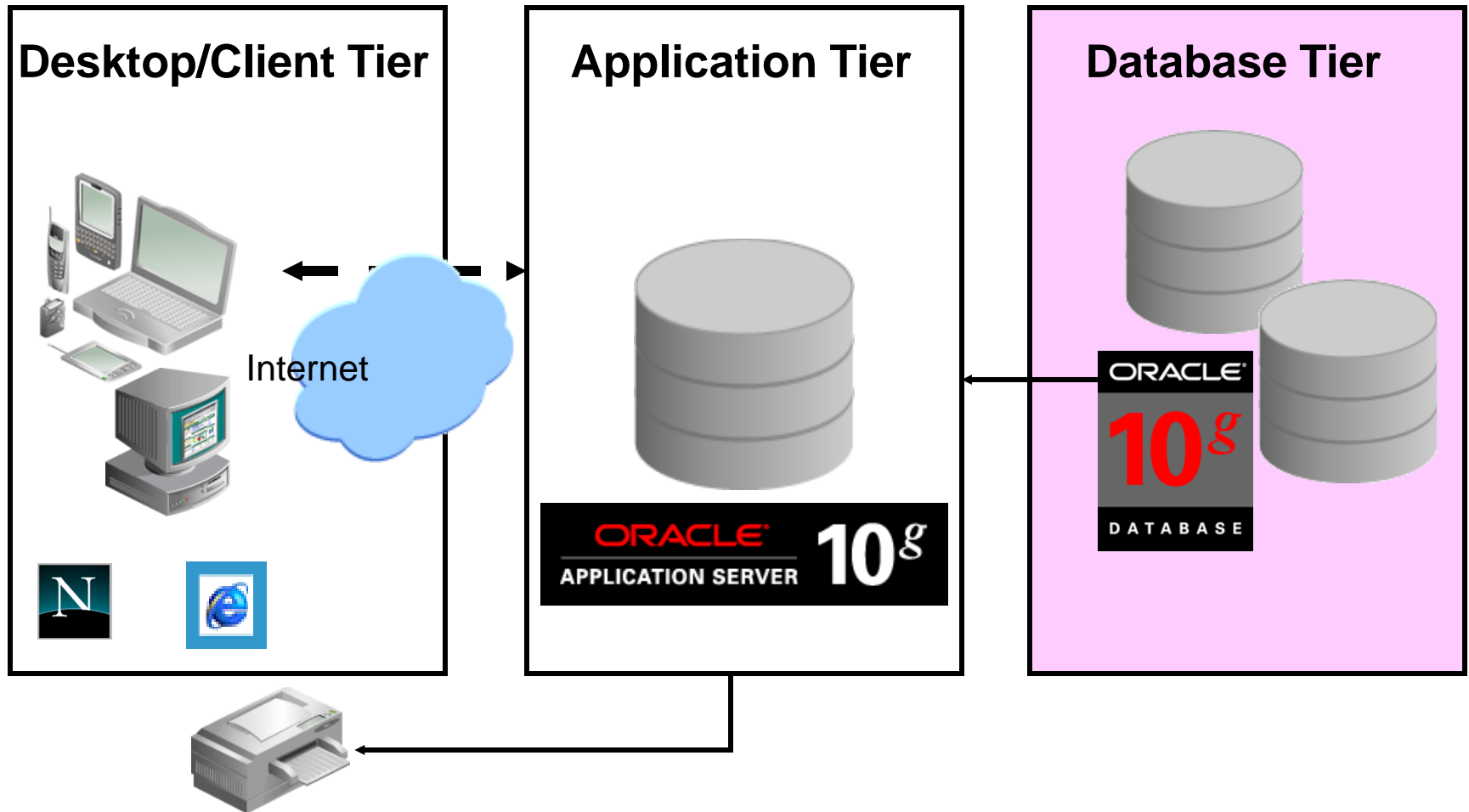
# Desktop/Client Tier



# Applications Tier



# Database Tier



# The Network

- While the network is not a tier of the *11i* E-Business Suite's 3-tier architecture, it is a critical (possibly THE critical) component of making it all work.
- *11i* allows access through multiple channels including internal networks (LANs/WANs) and external networks (Internet/VPNs). The connection links themselves can vary from slow-speed dial-up connections to high-speed fiber optic channels.
- All of the choices in the network will ultimately affect your performance, for good or bad.

TERIMA KASIH .....

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