

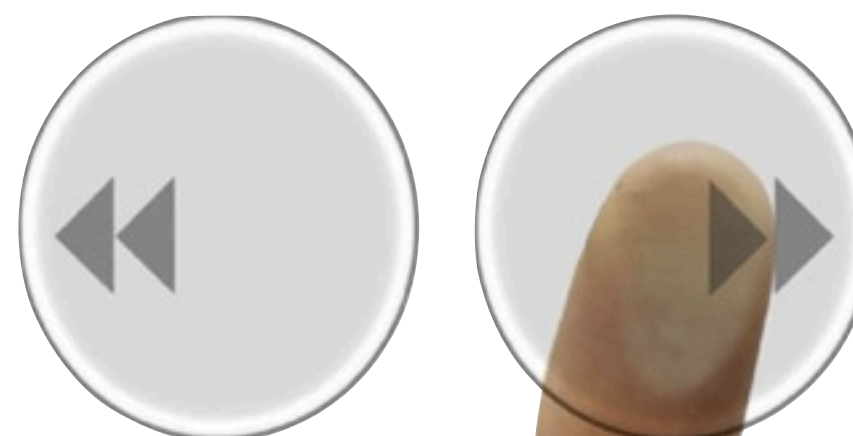
Cloud Computing

Speed, Flexibility and Agility

Sorin Parlog, CTO
Ioan Rosu, Senior Solution Engineer

Frontal Communication

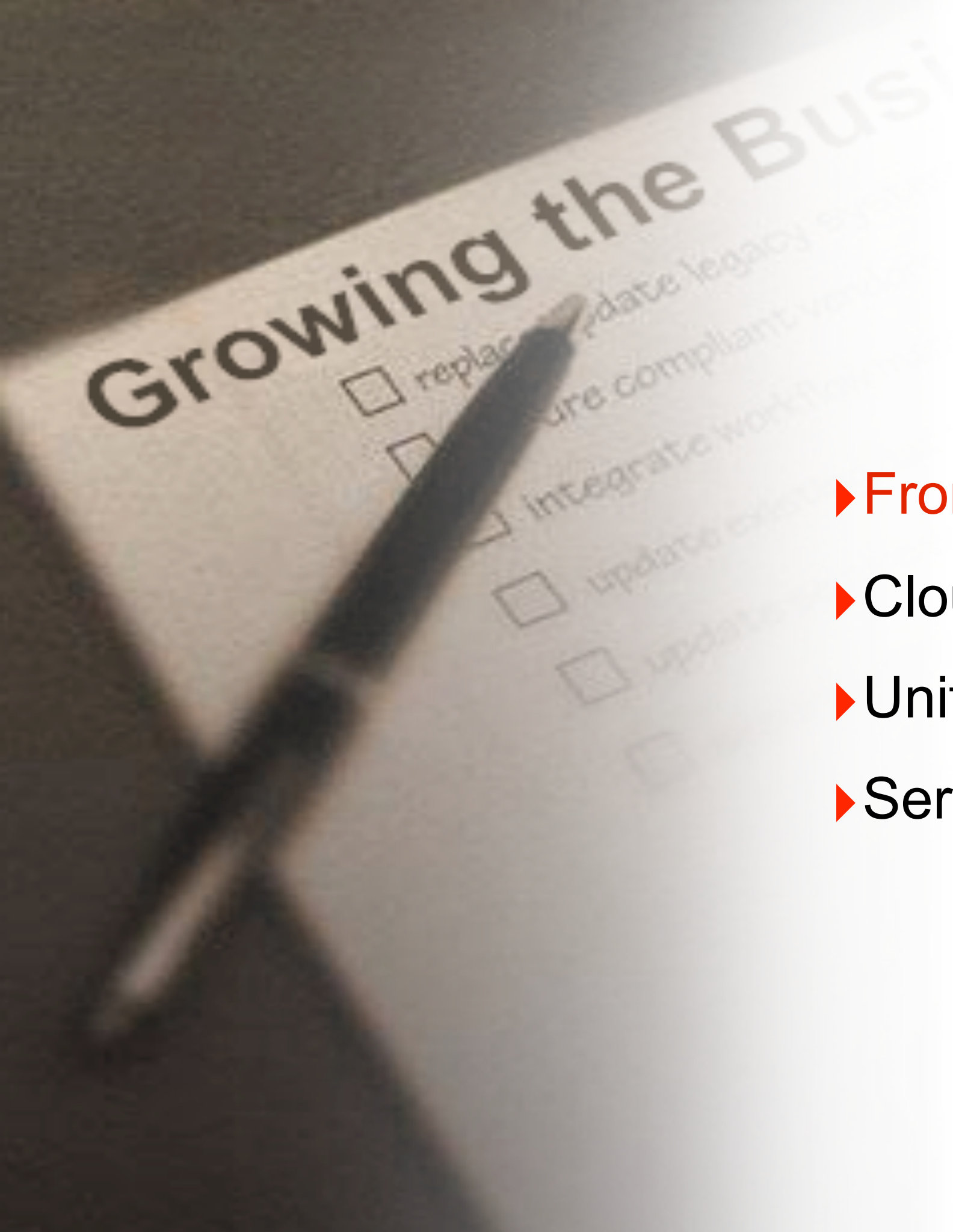
Cisco Expo, 17th of March 2010



Growing the Busi

Agenda

- ▶ Frontal Communication
- ▶ Cloud Computing
- ▶ Unified Computing System
- ▶ Services Portfolio



Agenda

- ▶ Frontal Communication
- ▶ Cloud Computing
- ▶ Unified Computing System
- ▶ Services Portfolio

Company Profile

- ▶ Established in 1994
- ▶ CUSTOMER Oriented Company
- ▶ Top Romanian SYSTEM INTEGRATOR
- ▶ Cisco GOLD Partner (local support)
- ▶ EMC Velocity Partner
- ▶ VMWare Enterprise Partner
- ▶ Authorized Cisco and VMware Training Center
- ▶ Testing Center PEARSON VUE and PROMETRIC

Technology Partners



Competencies Area

DATA CENTER

- Storage
- Switching
- Applications
- Security
- Network Management

NETWORK SYSTEMS

- Routing
- LAN Switching
- Network Management
- Network Optimization

MOBILITY SOLUTIONS

- Wireless LAN
- Remote Access
- Business Class Teleworker Solutions
- Mobile Solutions for Unified Communications

SECURITY

- Firewall
- Attack and Intrusion Prevention
- Spam and Virus Protection
- Virtual Private Networks
- Network Admission Control
- Security Management
- Physical Security
- Web and Email security
- Video Surveillance

UNIFIED COMMUNICATION

- IP Telephony
- Applications
- Contact Center
- Voice Management
- Voice traffic management
- Call accounting

Cisco Partnership

Certifications

- ▶ Gold Certified Partner



Specialization

- ▶ Advanced Routing & Switching
- ▶ Advanced Security
- ▶ Advanced Unified Communications
- ▶ Advanced Wireless LAN
- ▶ Advanced Data Center Network Infrastructure
- ▶ Advanced Data Center Storage Networking (04.2010)

Other Authorizations

- ▶ Cisco Learning Partner Associate - Category A
- ▶ Academy Network Partner
- ▶ Customer Satisfaction Excellence
- ▶ ATP - Video Surveillance
- ▶ ATP – Unified Computing System (04 or 05.2010)

Our Approach

Prepare

Consultancy, Business plan (incl. ROI)

Plan

Site-Survey, Network Readiness, Deployment, Proof-of-Concept, Courses

Design

Low-Level-Design

Implement

Transport, Staging, Engineering, Implementation, Project Management, Integration, Testing and Acceptance

Operate

Operation Consultancy, On-site and Off-site support, Spare-parts management, Help-Desk (incl. SLA 24x7, intervention. time 30 min)

Optimize

Audit, Analysis and Optimization Report



System Integration Services

Professional Services

Managed Services

Data Center Solution

Training and Testing Center

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IT Challenges

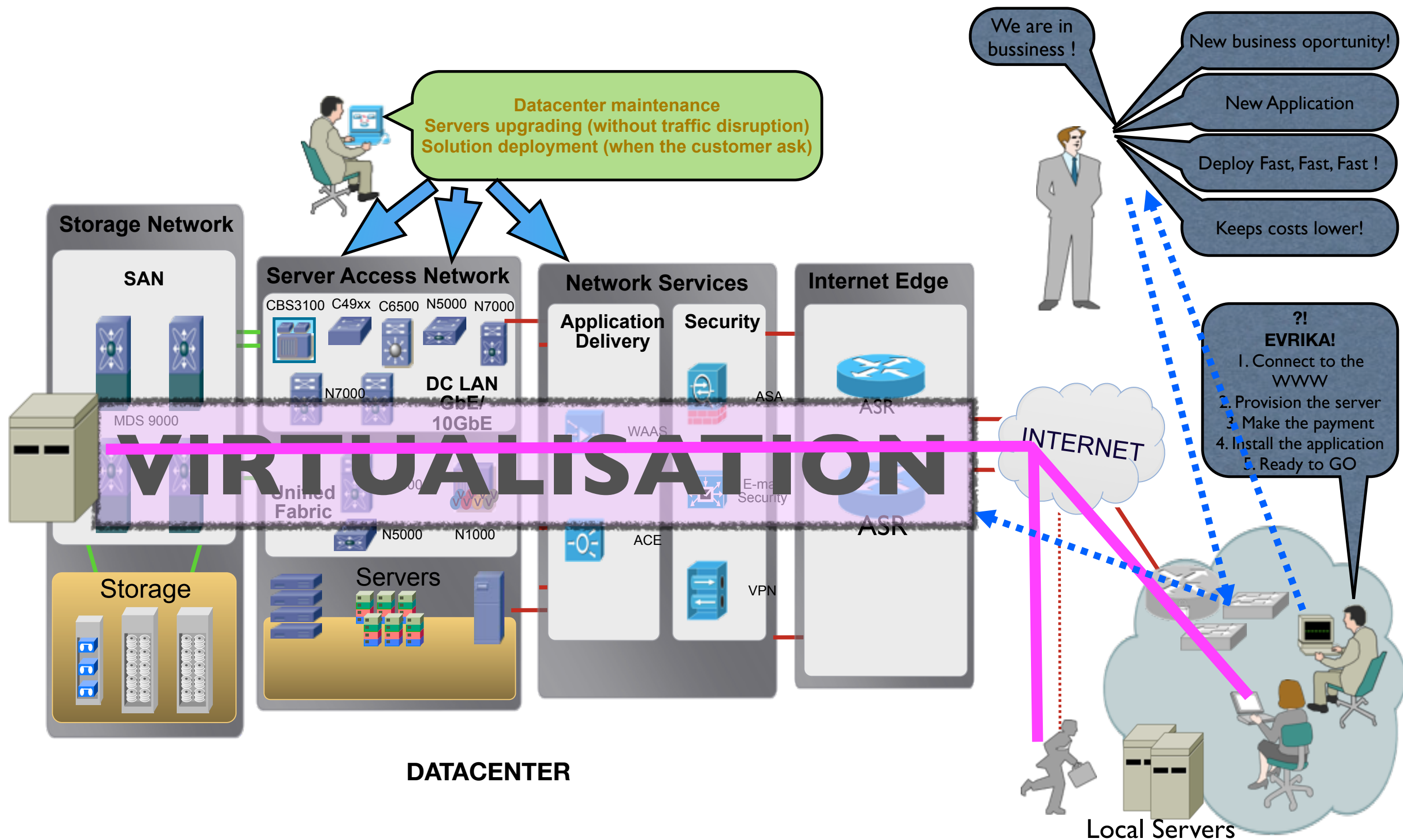
New business pressure

- 9 to 18-month ROI on new projects
- Increased operational costs
- Increased end-user and line-of-business expectations
- SLA metrics
- Global availability
- Security

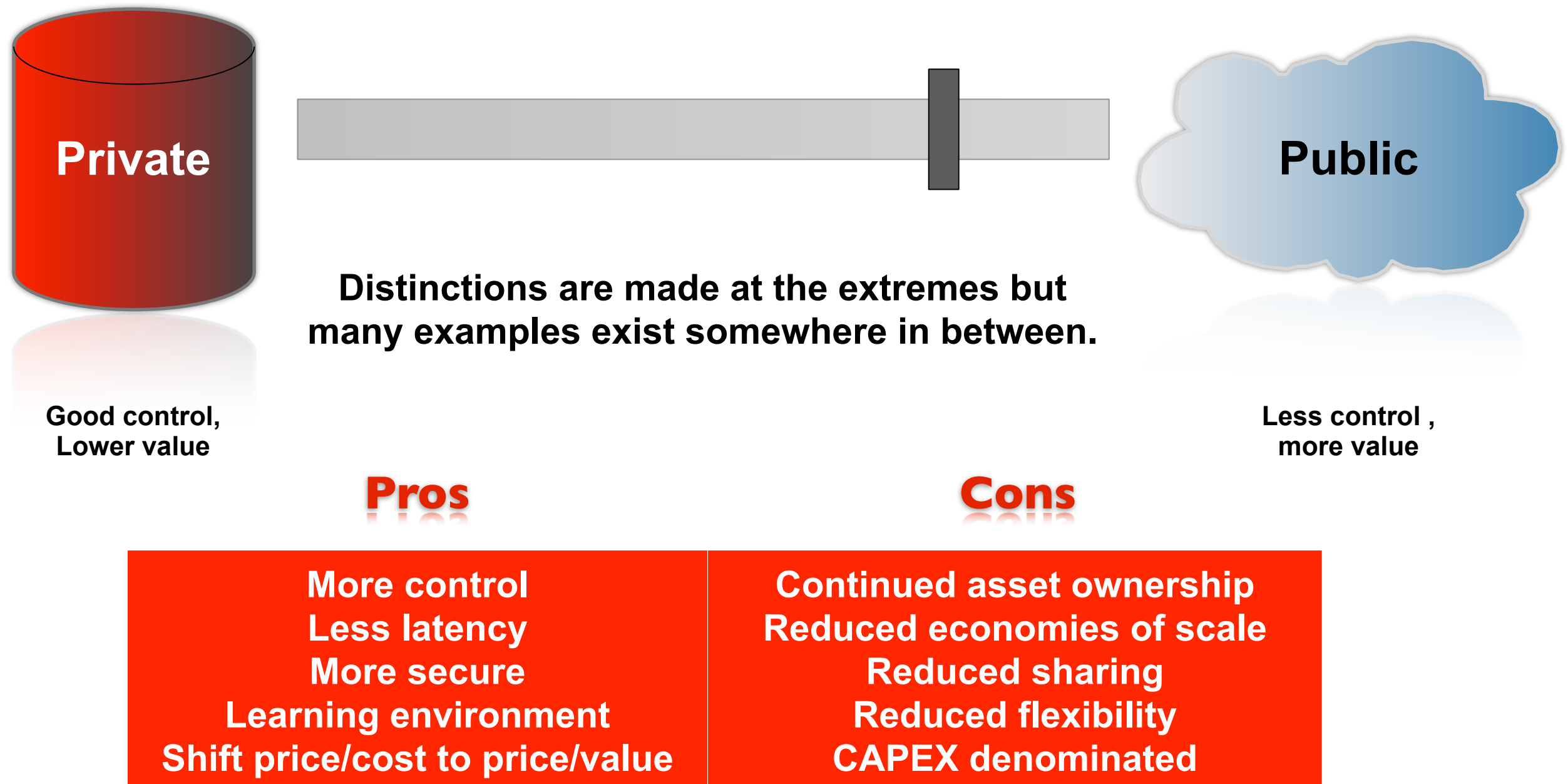
Application limitation

- Facilities
- Asset utilization
- Provisioning
- Business continuity and disaster recovery

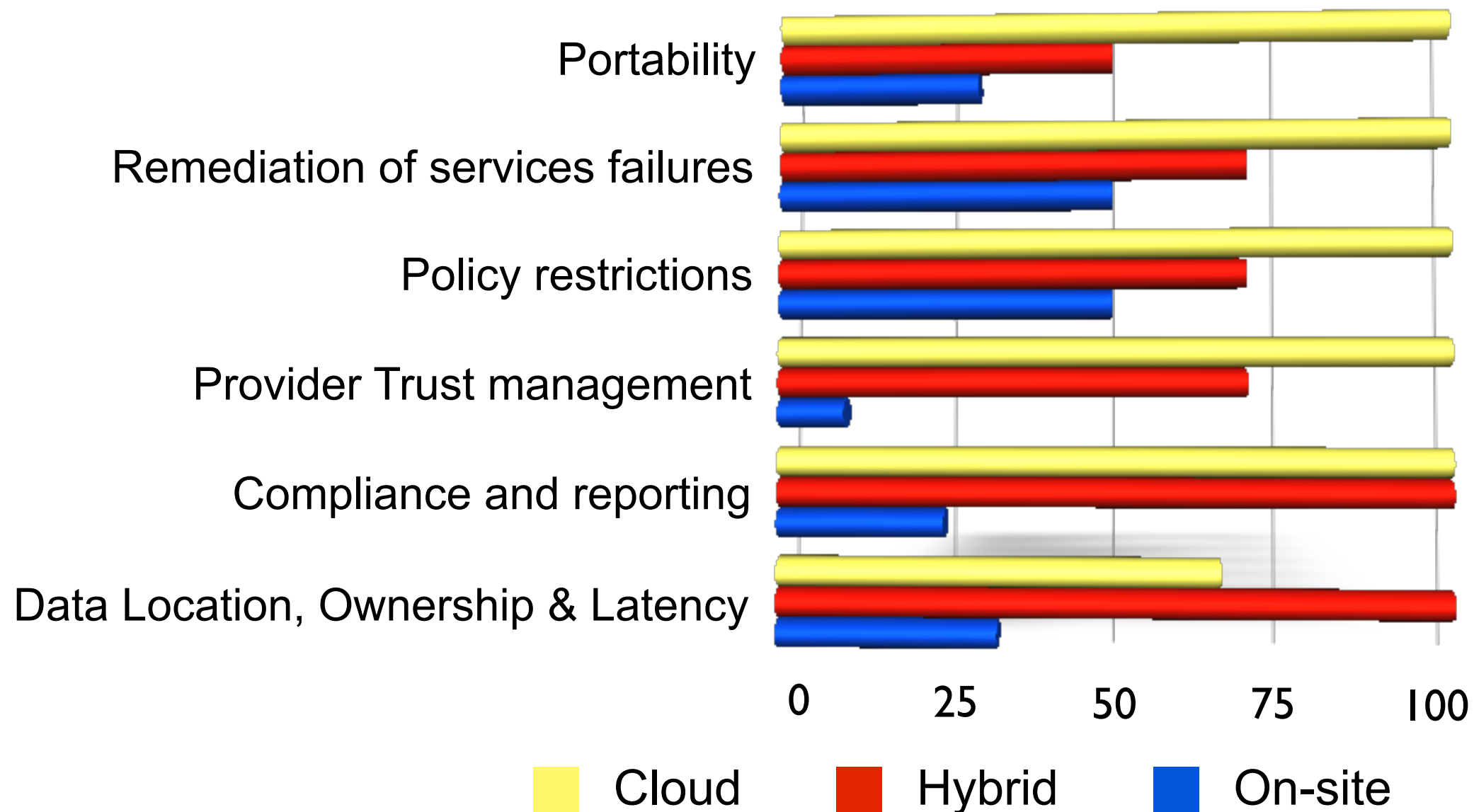
Cloud computing?



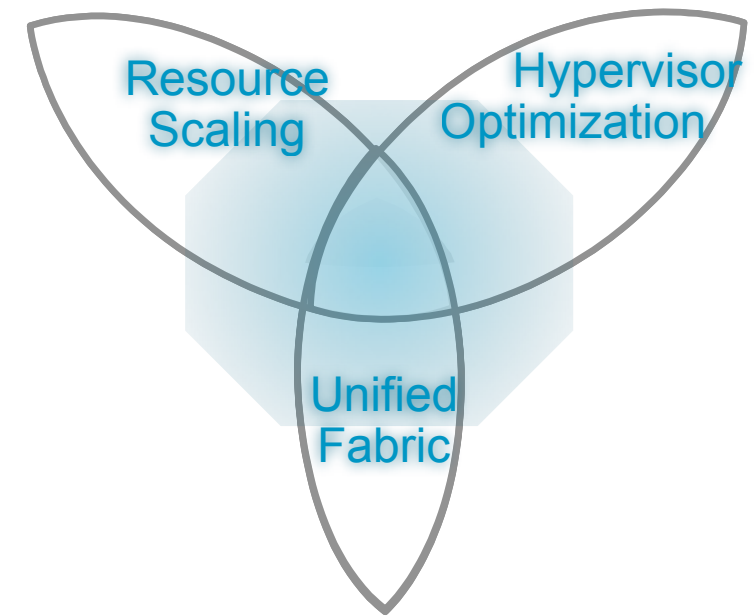
Private or public?



Top 6 challenges for Cloud Computing

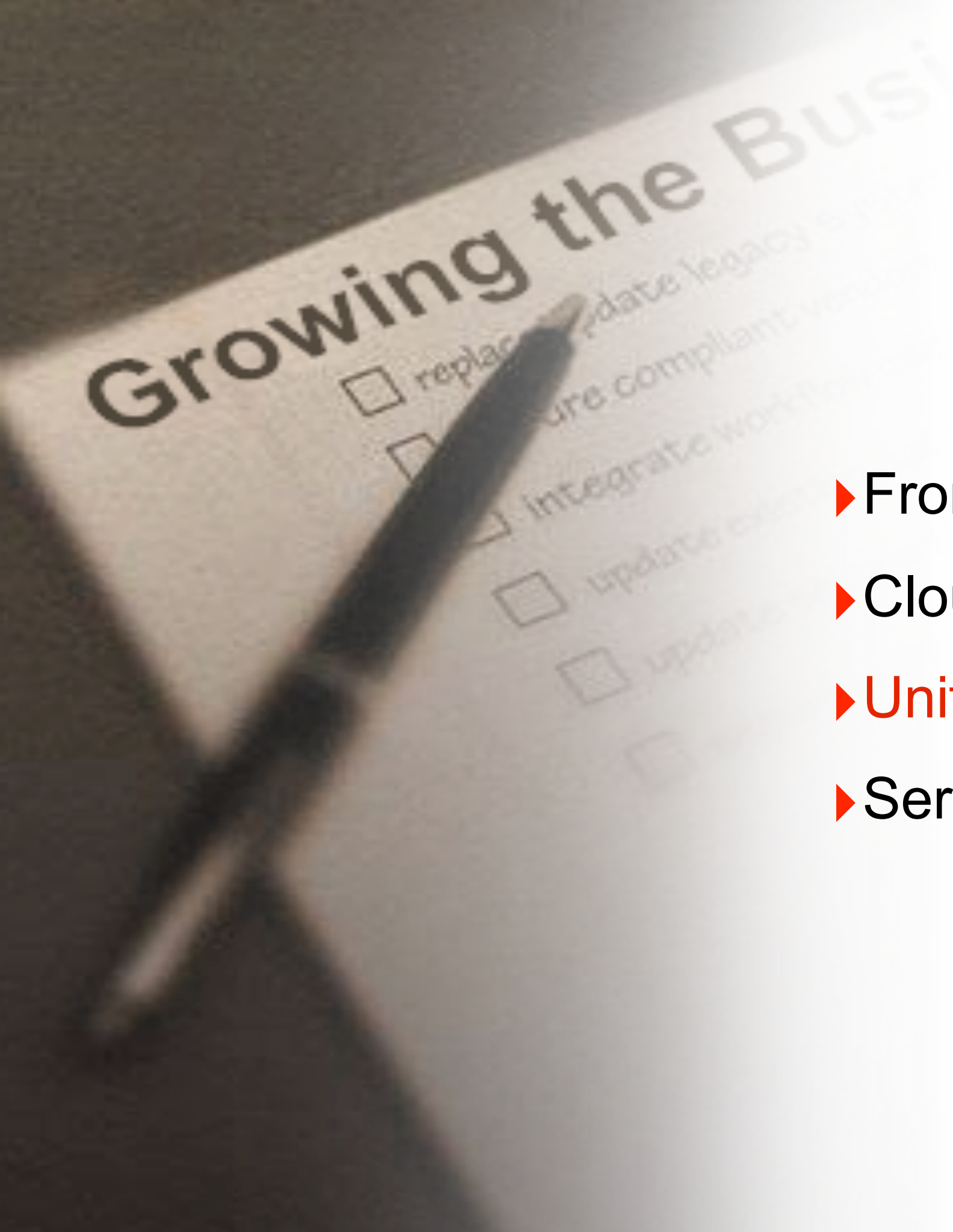


Benefits



The five critical attributes of Cloud Computing :

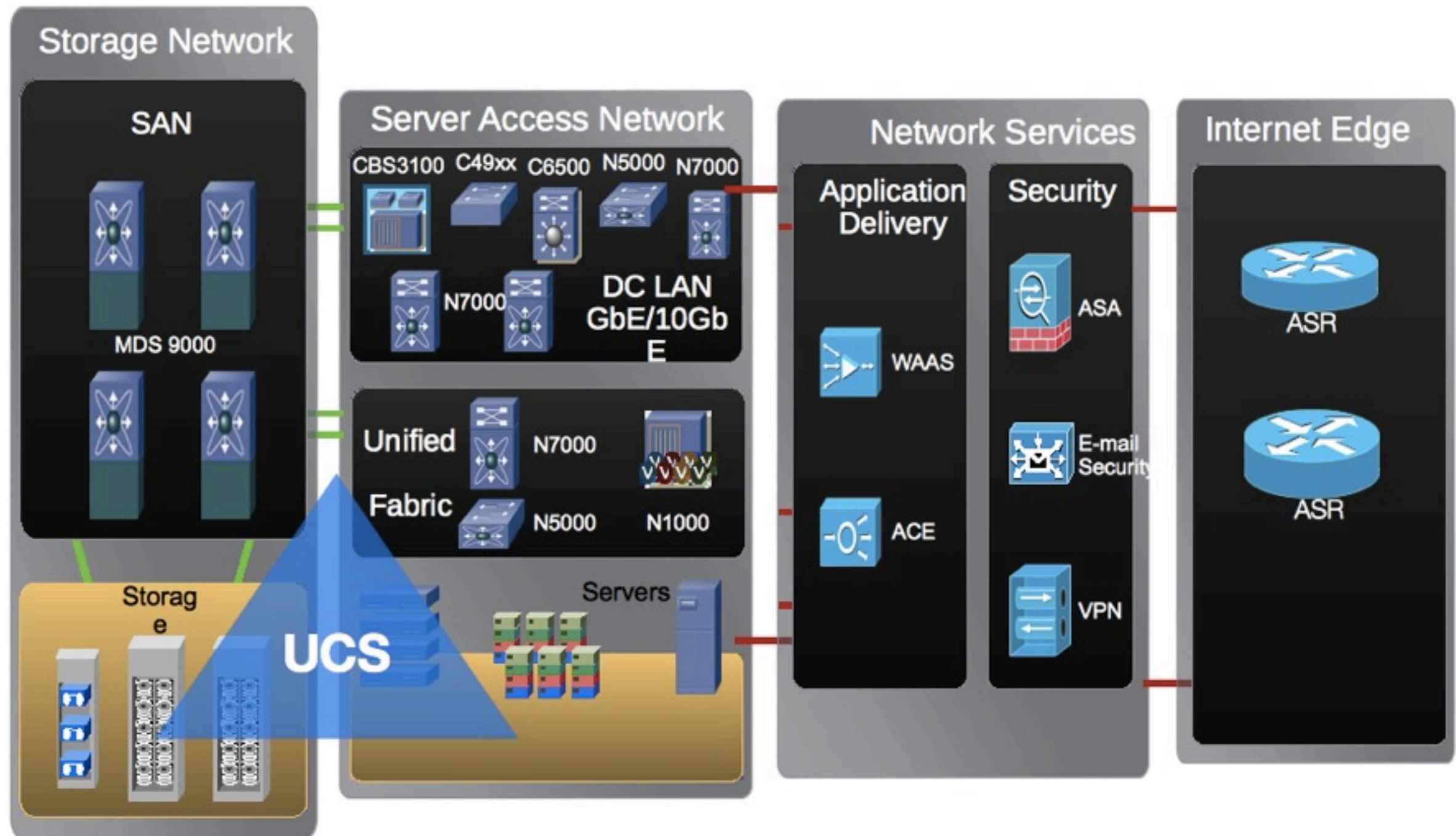
- 1. Service-Based** - Consumer concerns are abstracted from provider concerns through service interfaces
- 2. Internet Technologies** - Services are delivered through use of Internet identifiers, formats and protocols
- 3. Metered by Use** - Services are tracked with usage metrics to enable multiple payment models
- 4. Shared** - Services share a pool of resources to build economies of scale
- 5. Scalable and Elastic** - Services scale on-demand to add or remove resources as needed



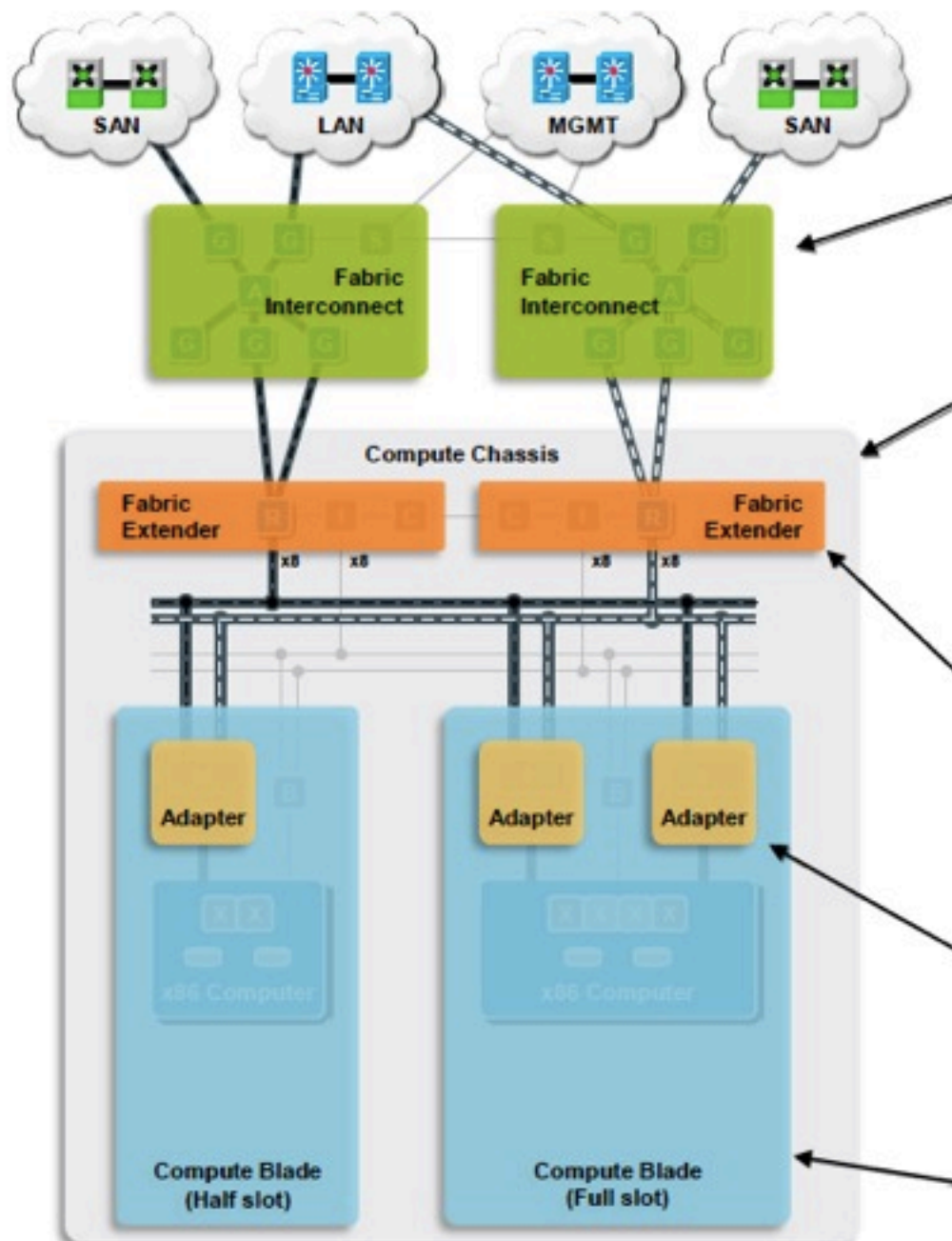
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UCS - Architecture

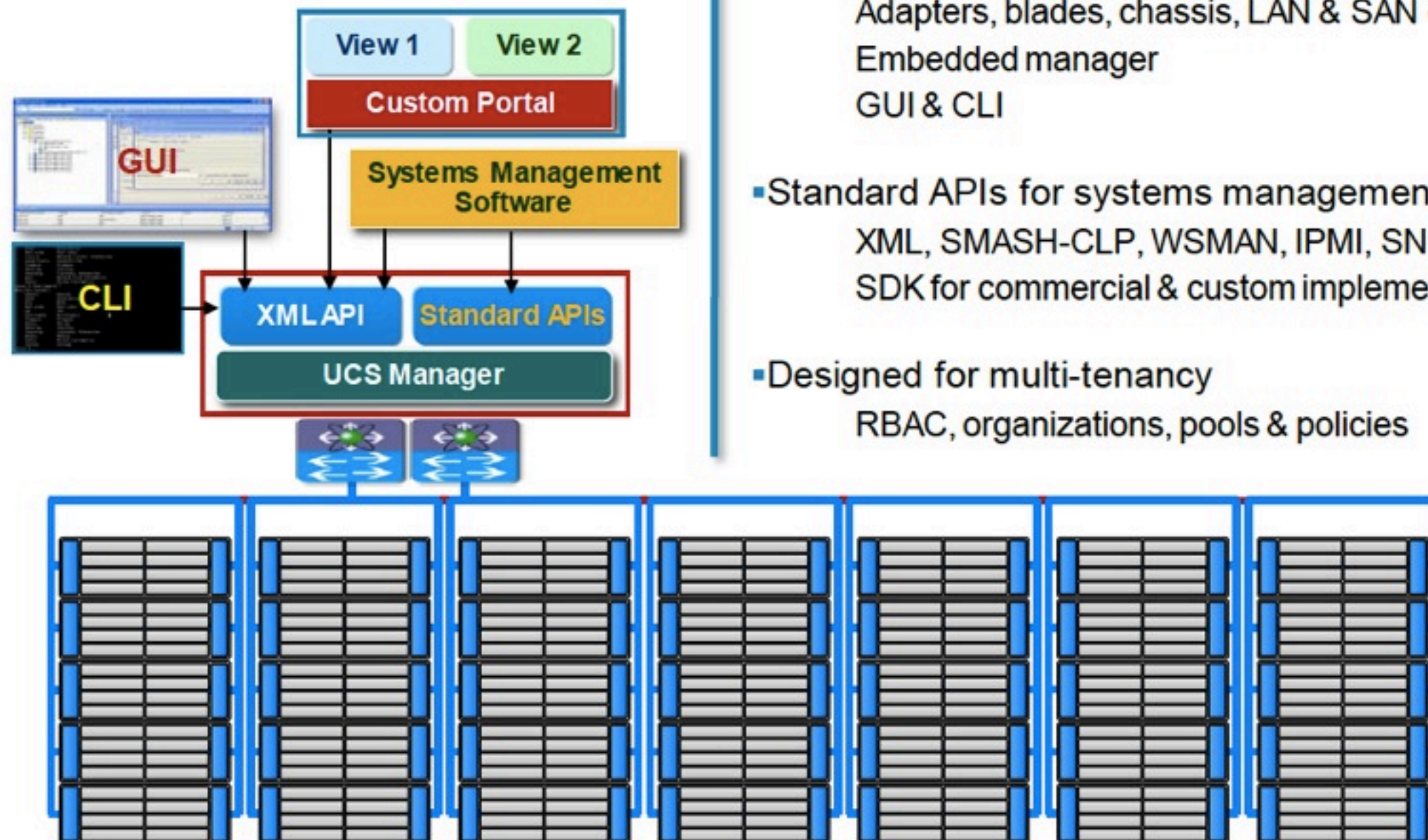


System components



- Fabric Interconnect
(40 or 20 10GE ports) + (2 or 1 GEM slots)
- Chassis
Up to 8 half width blades or 4 full width blades
- Fabric Extender
Host to uplink traffic engineering
Up to 80Gb Flexible bandwidth allocation
- Adapter
Virtualized adapter for single OS and hypervisor systems
- Compute Blade

Unified Management



- Single point of device management
Adapters, blades, chassis, LAN & SAN connectivity
Embedded manager
GUI & CLI
- Standard APIs for systems management
XML, SMASH-CLP, WSMAN, IPMI, SNMP
SDK for commercial & custom implementations
- Designed for multi-tenancy
RBAC, organizations, pools & policies

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UCS Solutions

Infrastructure Consolidation

Branch IT Consolidation

Cisco Wide Area Application Services



WAE-512



NME-WAE



WAE-7371

Network Consolidation



Nexus 5020 Switch

Server Consolidation

Cisco MDS 9509
Multilayer Director



EMC²
where information lives®

Virtualization



Consultancy

Solutions

Storage Virtualization
LAN/SAN Consolidation
Application Delivery
Security Services

Products

MDS, Nexus Series
Nexus Series
Application Control Engine
Firewall Services Module

Real Estate

Planning
Consolidation





Cabling
Cooling
Security Access

Video Surveillance



OmniVServ Overview

- Omnilogic's first "on-demand" program named "OmniVServ", within its regional initiative of promoting cloud-computing in the South-Eastern Europe, under the concept of "OmniVCloud".
- Made possible thanks to Omnilogic's infrastructure and applications hosted in its Tier 3 Data Center, located in Otopeni.
- The Virtual Private Servers giving you all the benefits of dedicated servers with a significantly lower cost, plus high availability environment and data security.
- available online - www.omnivserv.com
- a cost-effective alternative for both test and development environments
- there are also 4 predefined hardware configurations available well matched to different clients' needs.
- pay-per-use subscription
- starting from 1 EURO/day

| | |
|--|---|
| <p>STANDARD OmniVServ</p> <p>OmniVServ 1024 Virtual Private Server: small companies and private users webhosting and email applications</p> <p>starting from 1 euro/day</p> <p>BUY NOW YOUR OWN STANDARD OMNIVSERV</p>  | <p>PREMIUM OmniVServ</p> <p>OmniVServ 4096 Virtual Private Server: small companies and private users medium-large email/website applications, online games or Share Point</p> <p>starting from 3.72 euro/day</p> <p>BUY NOW YOUR OWN STANDARD OMNIVSERV</p>  |
| <p>PROFESSIONAL OmniVServ</p> <p>OmniVServ 8192 Virtual Private Server: small companies and private users video monitoring applications, email applications, developing and testing websites</p> <p>starting from 7.30 euro/day</p> <p>BUY NOW YOUR OWN STANDARD OMNIVSERV</p>  | <p>ENTERPRISE OmniVServ</p> <p>OmniVServ 12288 Virtual Private Server: corporations from Enterprise and Telecom segments high computing power for CRM and ERP applications, critical applications run on complex databases</p> <p>starting from 12.64 euro/day</p> <p>BUY NOW YOUR OWN STANDARD OMNIVSERV</p>  |

OmniVserv Availability - Summary


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OmniVserv

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**OmniVserv**
powered by OMNILOGIC



HOMENEW SERVERREGISTERSUPPORTCONTACT

New Virtual Machine

CPU ?

RAM(MB) ?

SLA ☐ guaranteed ☒ best effort ?

Storage ?

Operating System HDD2(GB)

HDD(GB) * HDD3(GB) HDD4(GB)

Operating System ?

Operating System ☒ 32 bit ☐ 64 bit ?

Architecture

Bandwidth ? ☐ guaranteed ☒ best effort ?

Duration ?


Second NIC ☐ ?

Hostname * ?

Root Password * ?

Repeat Password * ?

Please note that fields marked with * are mandatory



*** Price**
35.11 € /month

*without VAT for the agreed contract duration

next


LOGINonly for existing customers

Username


Password


forgot my password Login


Configure Your Own Server




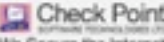
Technology Partners



CISCO


EMC²
where information lives


vmware


Sun
microsystems


Check Point
SOFTWARE FIREWALLS IPS
We Secure the Internet

**OMNILOGIC**

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Done



36 I.G. Duca Street, Building B1
Otopeni, Ilfov county, 075100 Romania
phone: +40 21 305 4200
fax: +40 21 305 4230
email: mailbox@frontalcommunication.ro
web: www.frontalcommunication.ro