



Priložnosti virtualizacije informatijske infrastrukture

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EMC²

where information lives[®]

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Agenda:

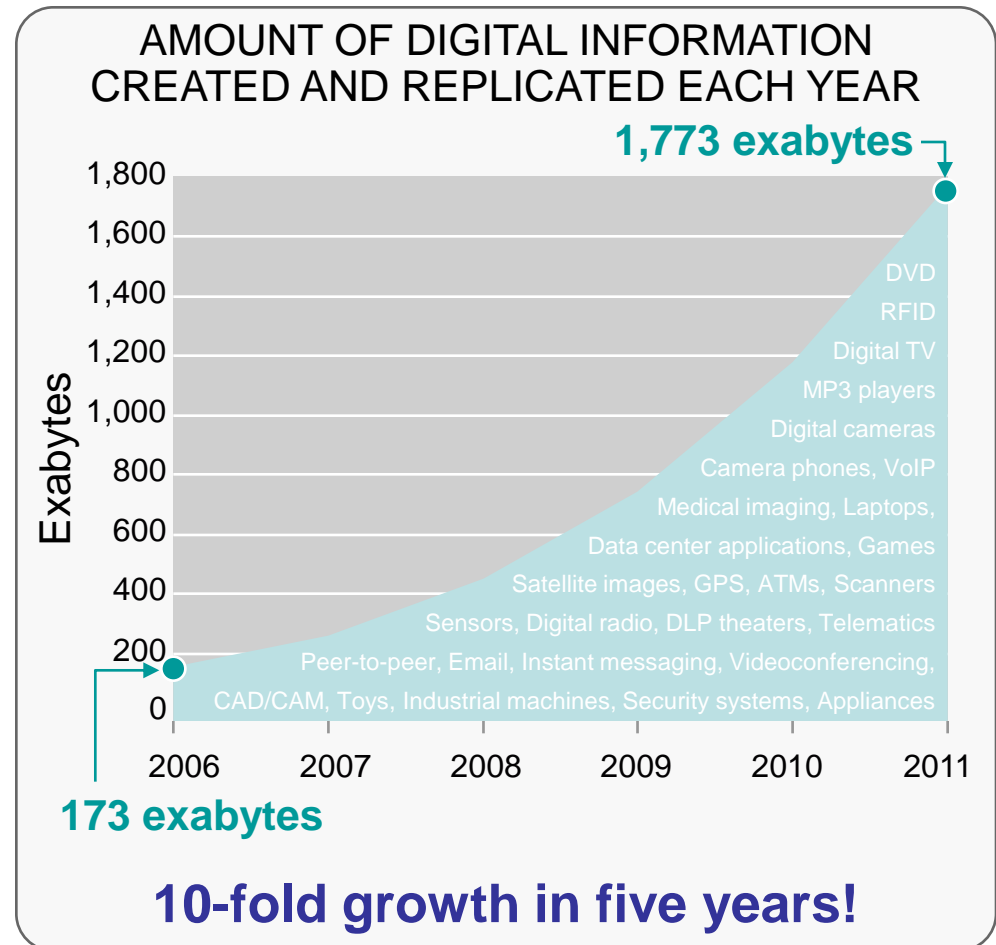
- Rast informacij – vsebin
- Izzivi informatike
- Virtualizacija
- Povzetek





Digital Information Created and Replicated Worldwide

- 281 exabytes (billion gigabytes) of digital information created and replicated in 2007, 10% more than previously estimated
- Close to two zetabytes of digital information in 2011
- Over 95% of the digital universe is “unstructured data”
 - In organizations that number is 80%





Information Challenges

THE INFORMATION WORLD

IDC report – by 2011:

- 1.773 zetabytes, ~60% CAGR
- 70% created by individuals
- 85% managed by organizations

Managing **growth**

Dramatic growth of information
Increased infrastructure complexity

Managing **risk**

Protecting against information loss
Securing against unauthorized access
Complying with legal and corporate mandates

Managing **effectiveness**

Reducing capital and operational costs
Improving flexibility and responsiveness
Delivering service levels demanded by the business

Creating **new value**

Leveraging information in new ways
Using infrastructure to drive the business

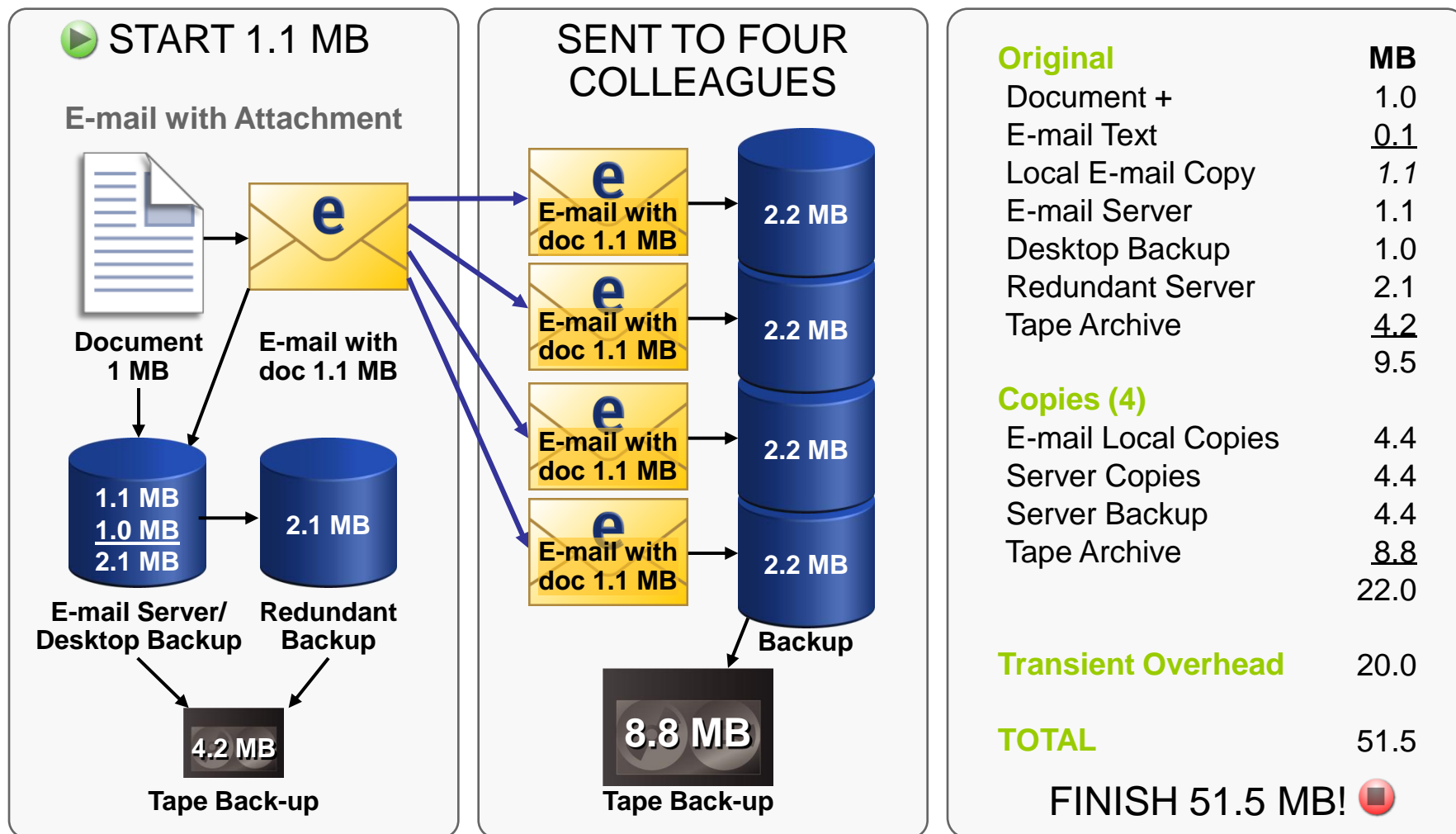


Virtualization...

- Provides logical views of physical elements while preserving the usage interfaces for those resources
- Removes physical resource limits and improves resource utilization across heterogeneous devices



The Digital Footprint of an E-mail





Data Center Efficiency Strategies

CONSOLIDATE

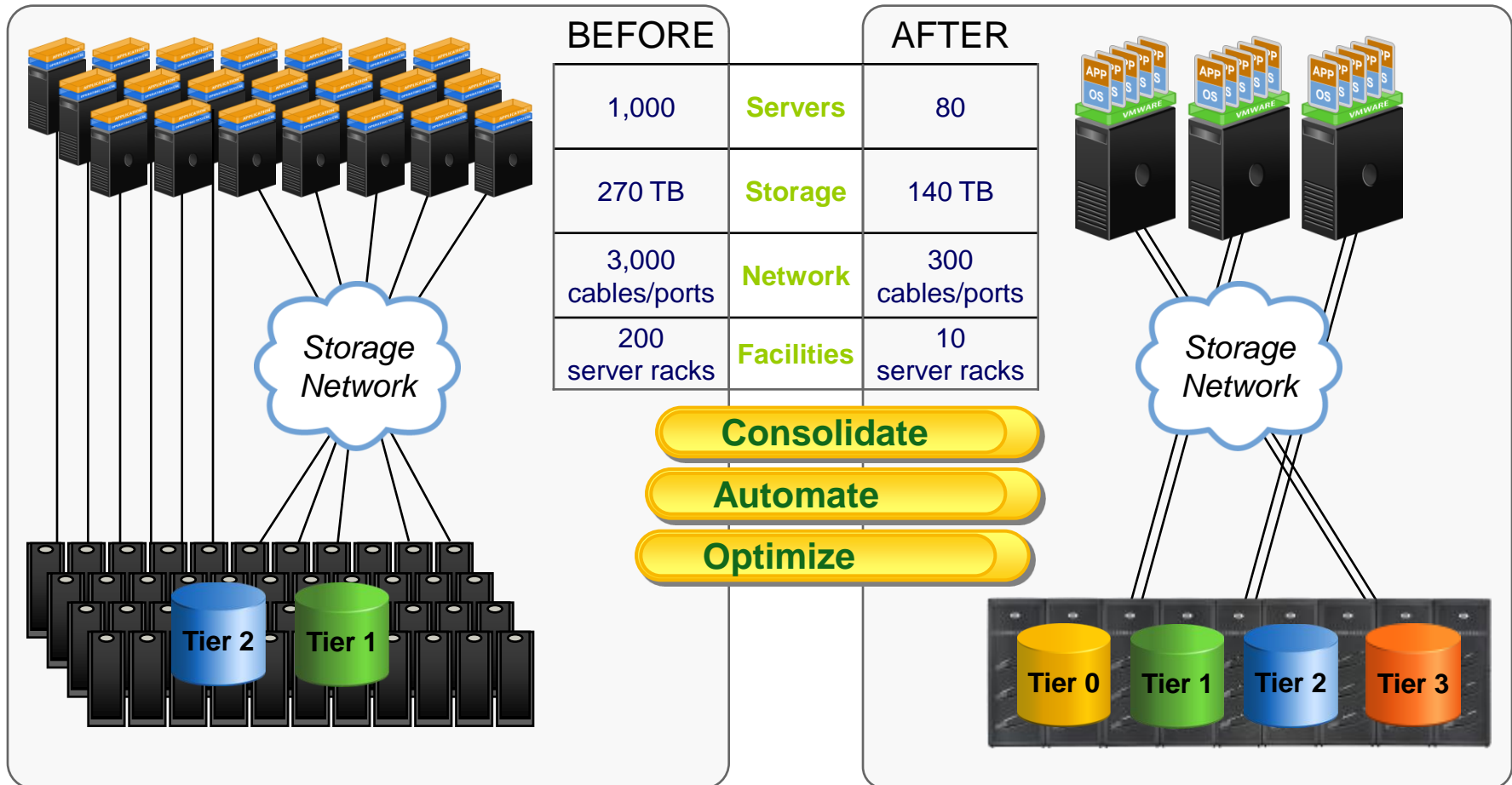
OPTIMIZE

AUTOMATE

Server, Storage Network, and Storage Consolidation

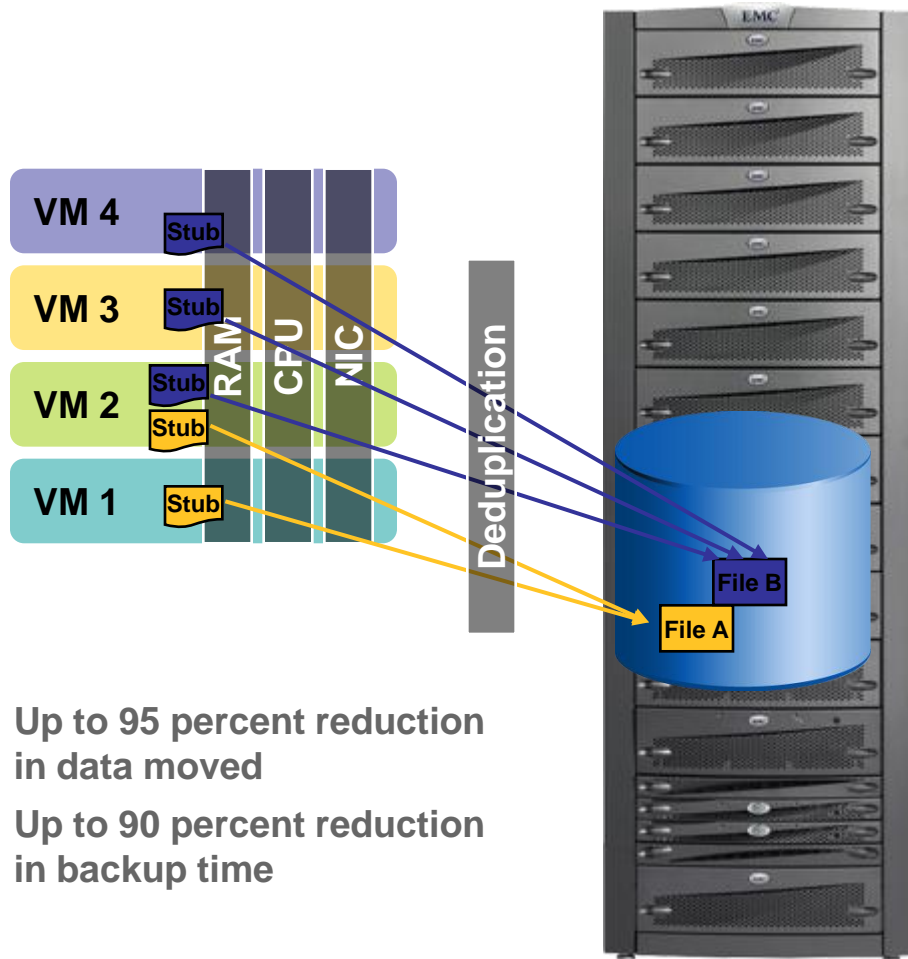
Savings of +70% in reduced data center space, power, and cooling

Technics used: Virtualisation, data classification, storage provisioning, virtual provisioning, data deduplication

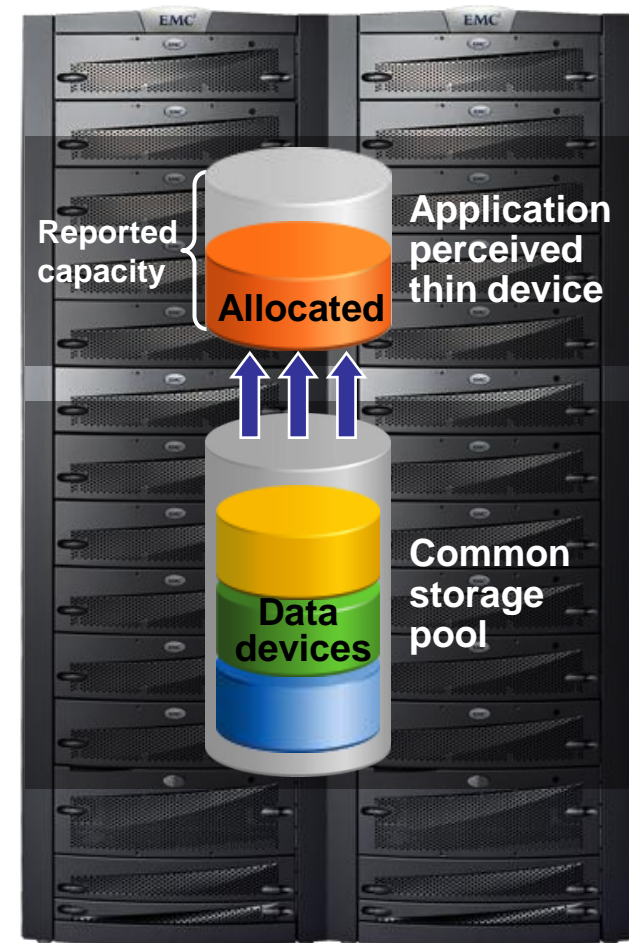


Examples of new storage virtual technologies

Data deduplication

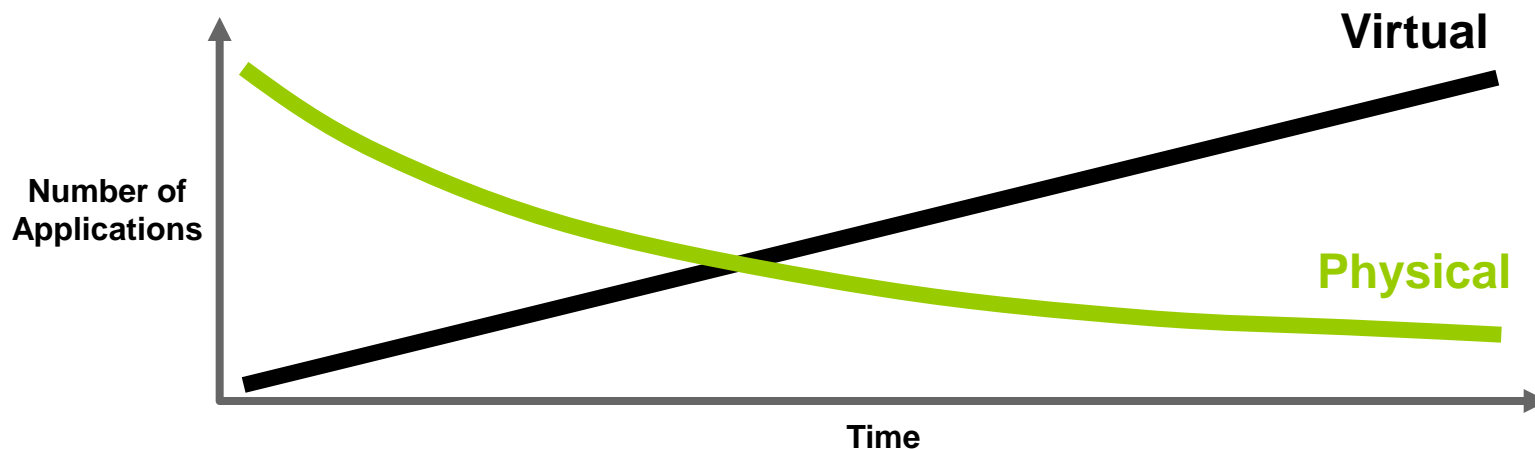


Virtual provisioning



Summary:

- Virtualization changes IT
 - Cost models, provisioning processes, management, disaster recovery, etc.
 - Virtualization empowers business responsiveness unavailable in the “physical” world
- Information Infrastructure must enable the smooth assimilation of virtualization
 - Understand the interdependence between virtual and physical components
 - Operate equally well in both paradigms
 - Leverage the benefits of virtualization



Impact of virtualization is revolutionary, the journey is evolutionary



VPRAŠANJA & HVALA

