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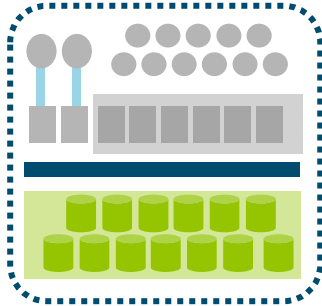
# Storage als integraler Bestandteil einer Private Cloud

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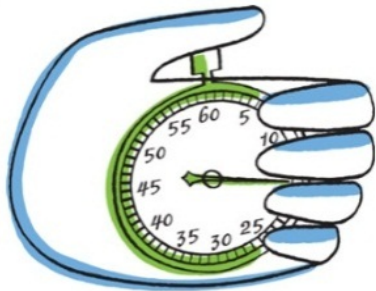


# NetApp Product Innovation Strategy



*Shared Infrastructure*

+



*Flash*



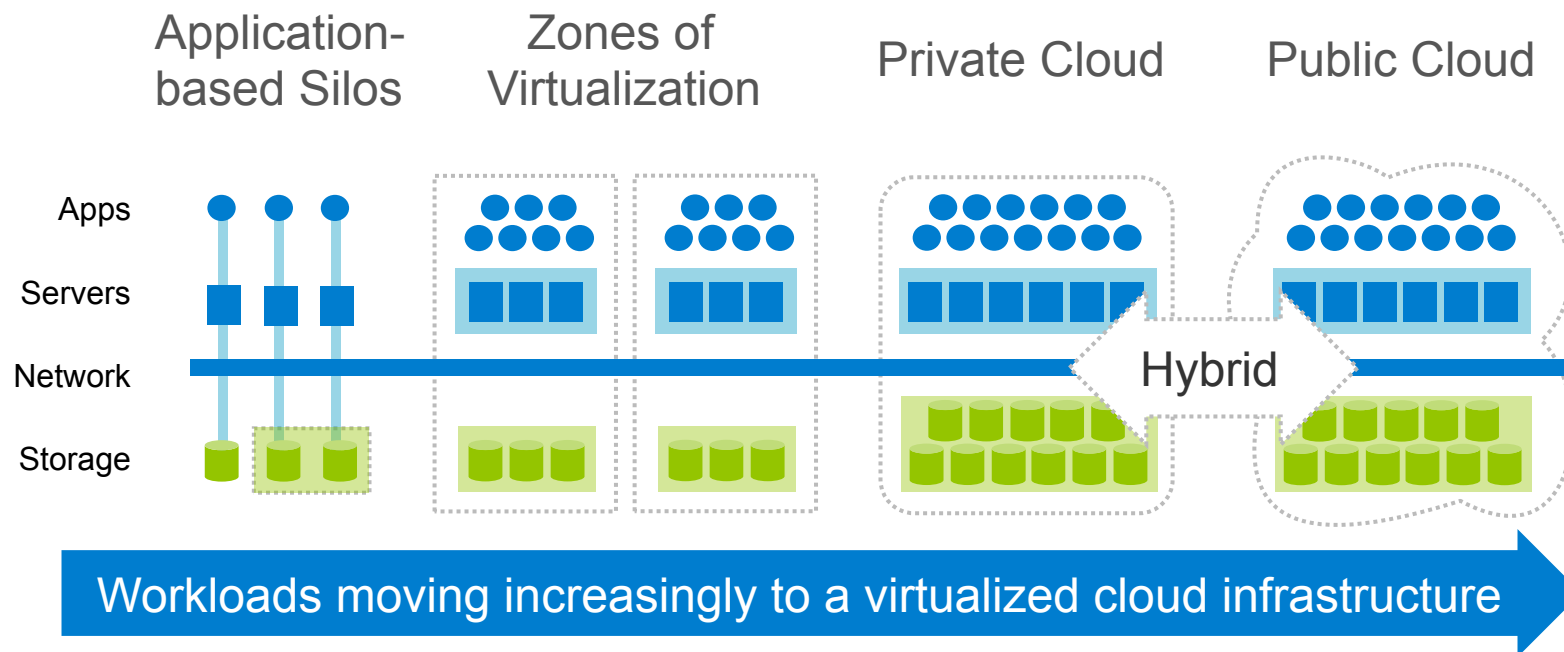
*Cloud*



*Object*



# Looking Ahead to the Hybrid Cloud





# Converged Infrastructure (Flexpod)

## Converged Infrastructure

Operating  
System

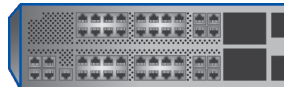


Virtualization

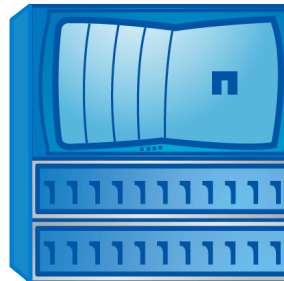
Server



Network



NetApp  
FAS/V Series



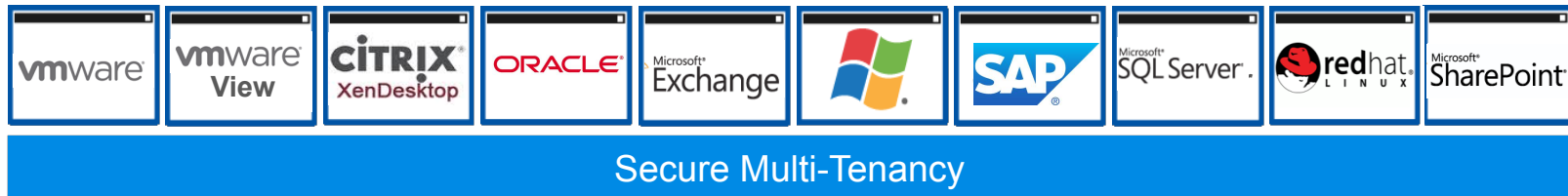
**Complete data center in one rack cabinet**



# Validated Enterprise Workloads



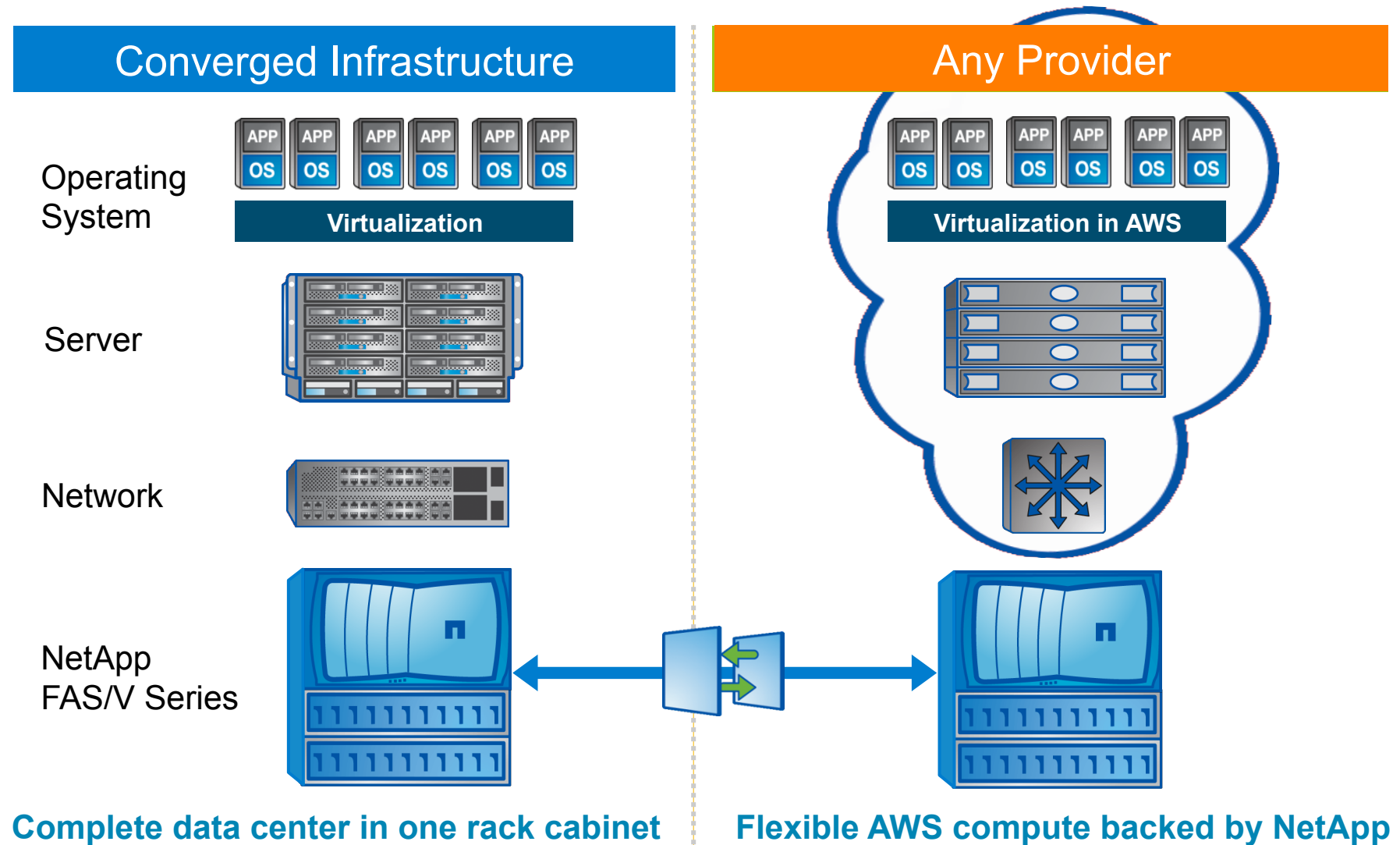
- Step-by-step instructions for repeatable high-quality deployments
- VMware, Microsoft, SAP, Red Hat, Citrix
- Wide range of resources available: validated design, deployment, and solution guides
- 20+ validated designs



Performance balanced server,  
network and storage components



# Converged Infrastructure (Flexpod)



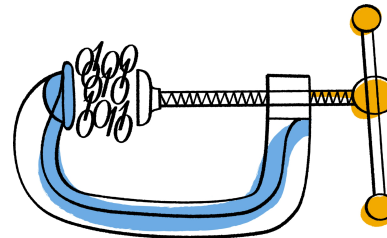


# Storage Infrastructure

- Non-Disruptive Operations



- Storage Efficiency



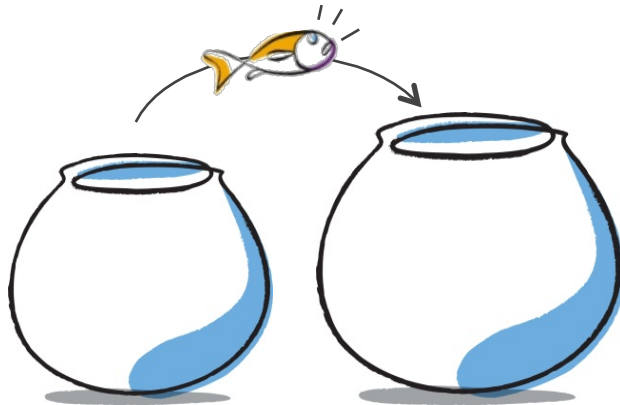
- Service Efficiency (Automation)





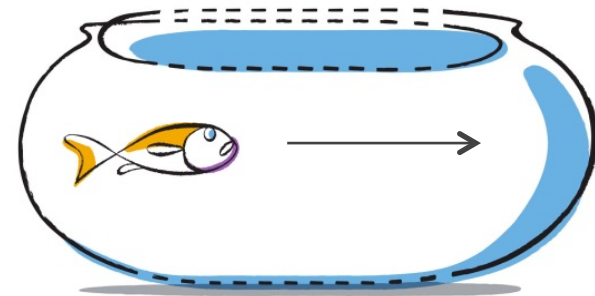
# Revolutionizing Data Migrations

Old World



Disruptive  
Workload Migration

New World

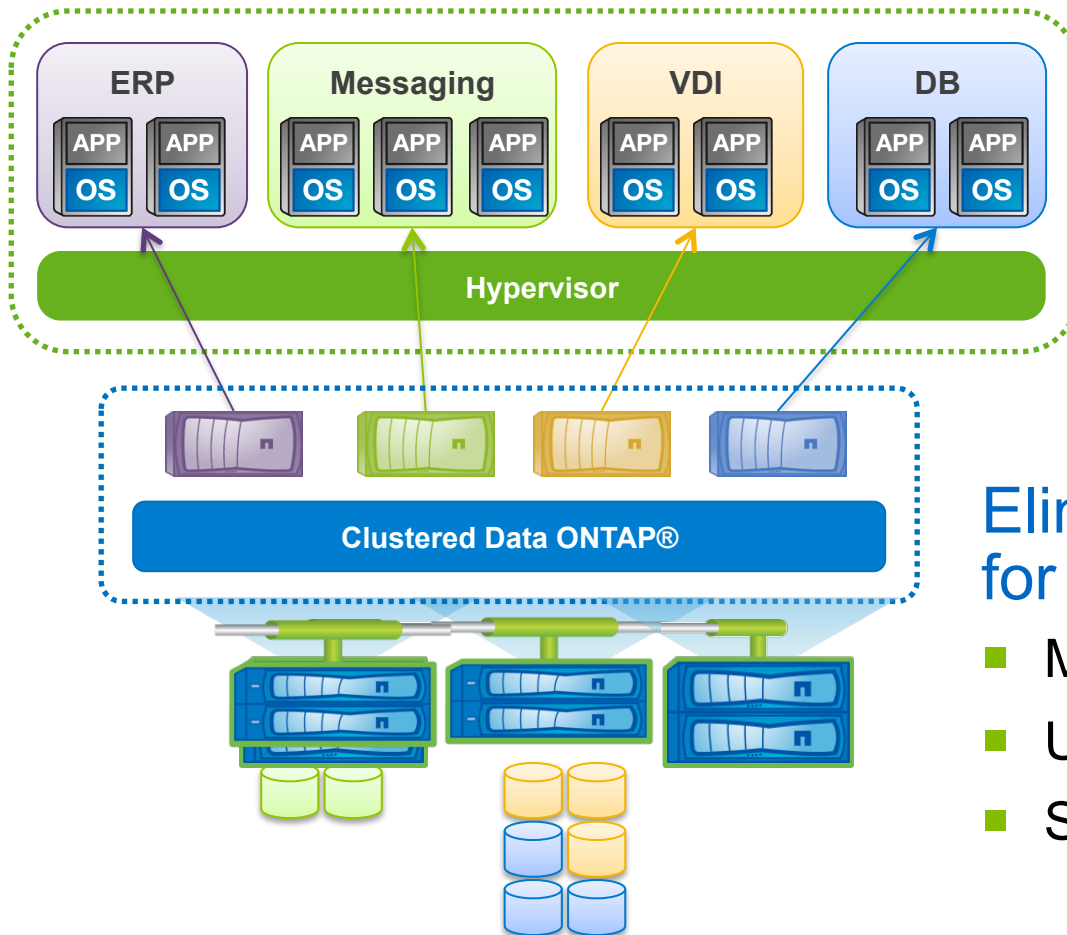


Non-Disruptive  
Workload Migration





# Non-disruptive Operation and Scaling

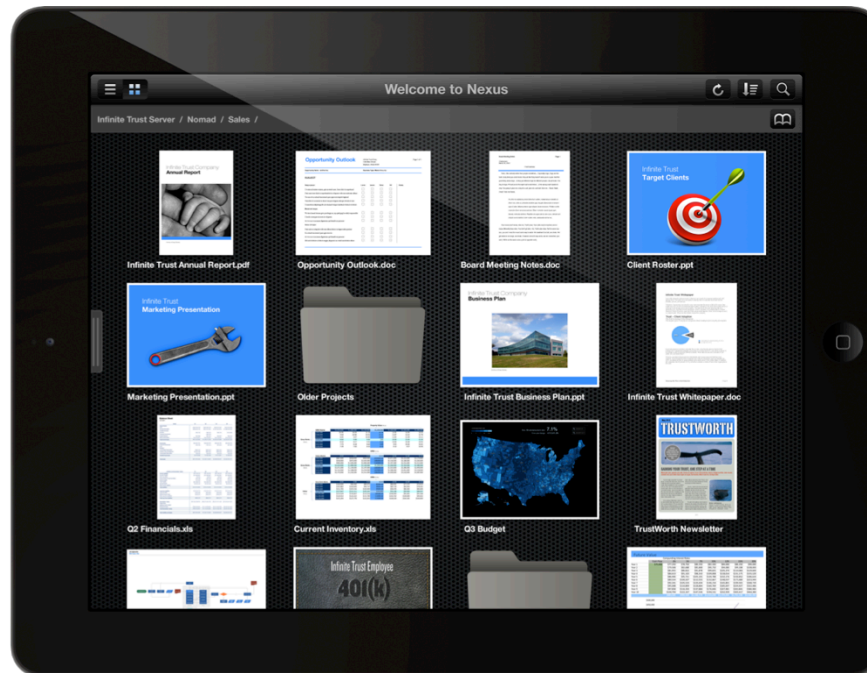


Eliminate planned downtime for storage

- Move data off old nodes
- Upgrade storage software
- Scale and load balance



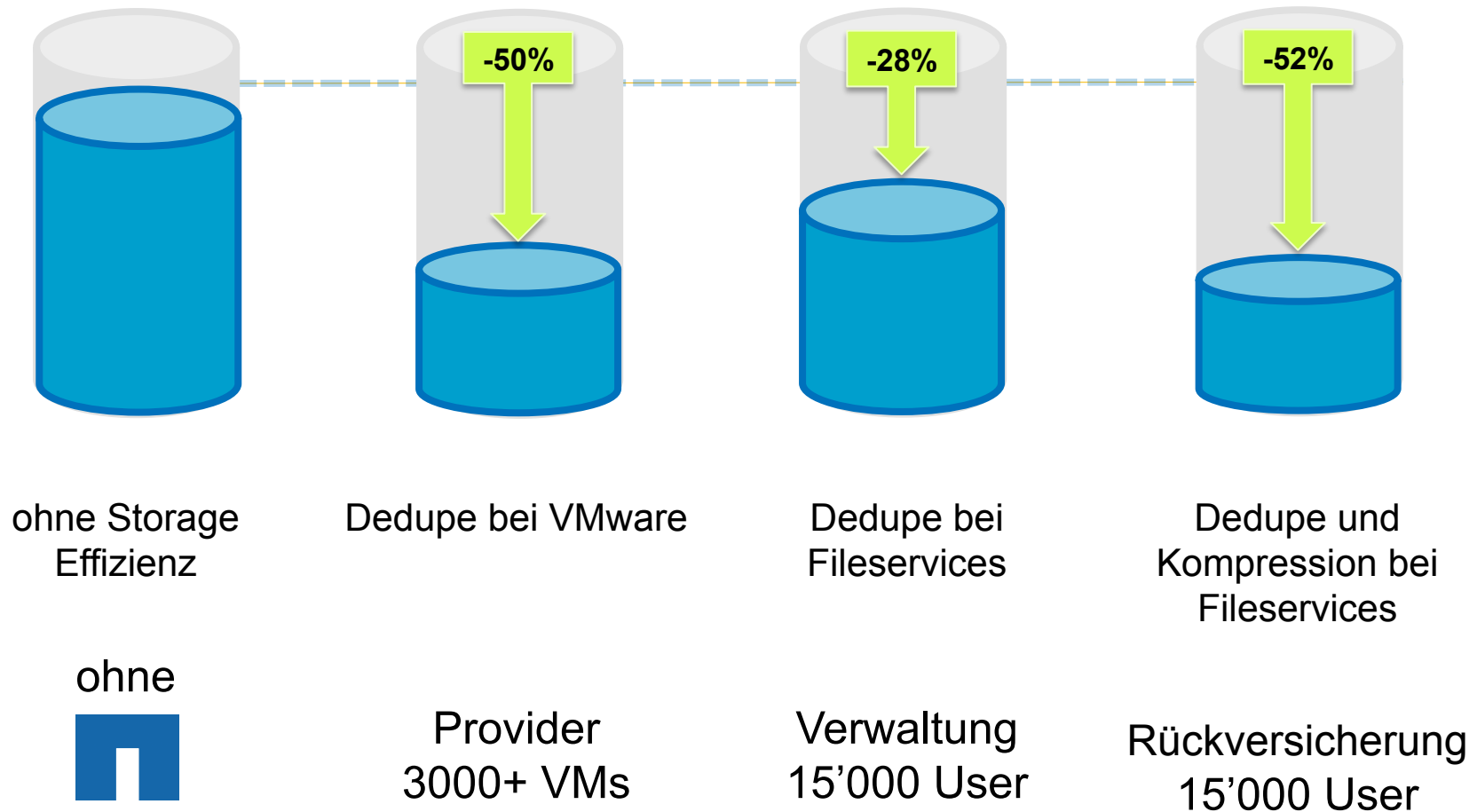
# Unified Protocol+ (NAS/SAN)+Mobile)



*NetApp Connect*



# Dedupe/Kompression - Kundenbeispiele





# Service Efficiency

## ■ Automation

- reduce administrative efforts
- application integration
- leverage storage features



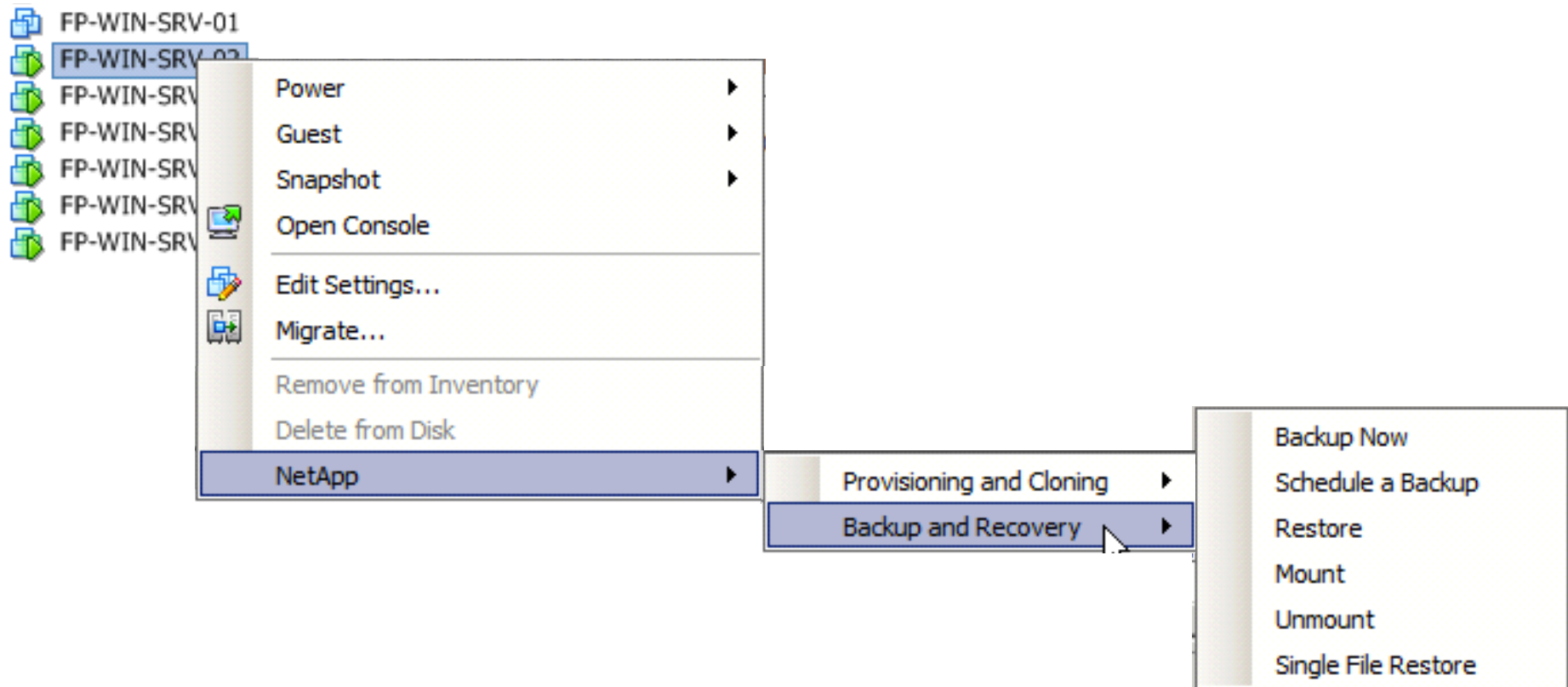
## ■ Orchestration

- automated workflows for daily tasks
- enable lower skilled people to manage storage
- self-service portal
- IT as a service (Cloud)





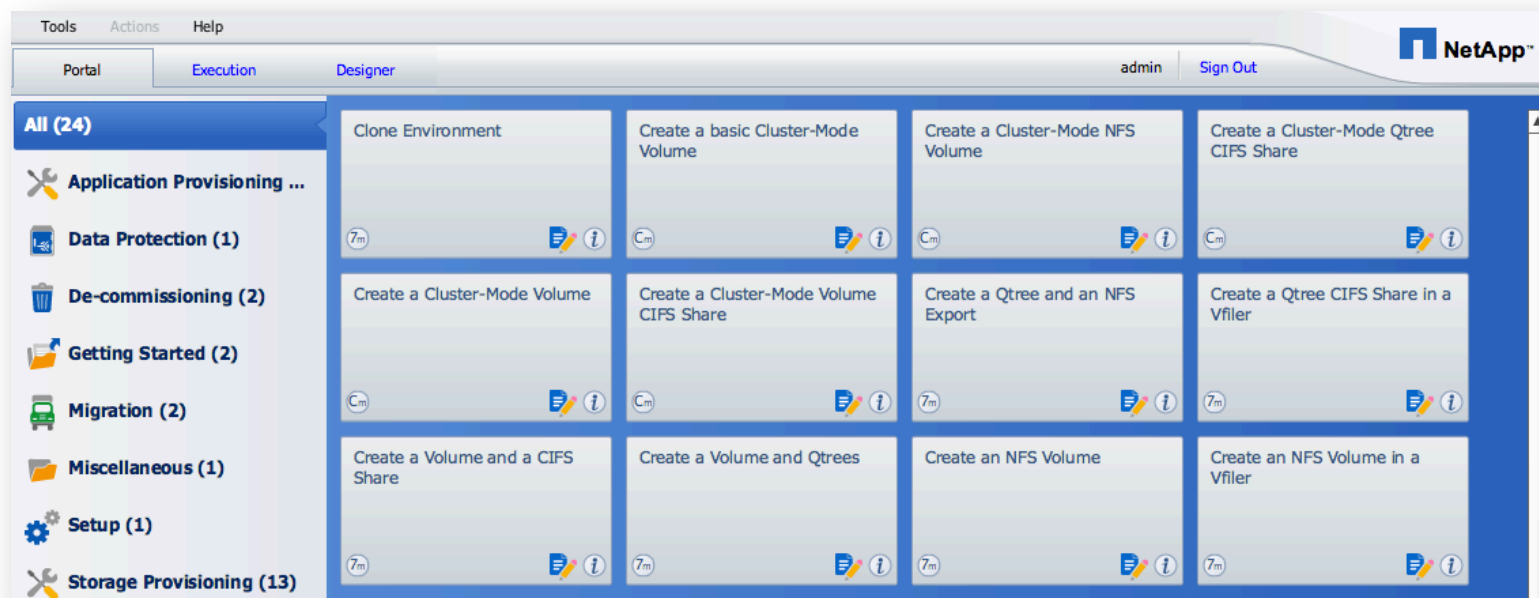
# Automation by Application Integration





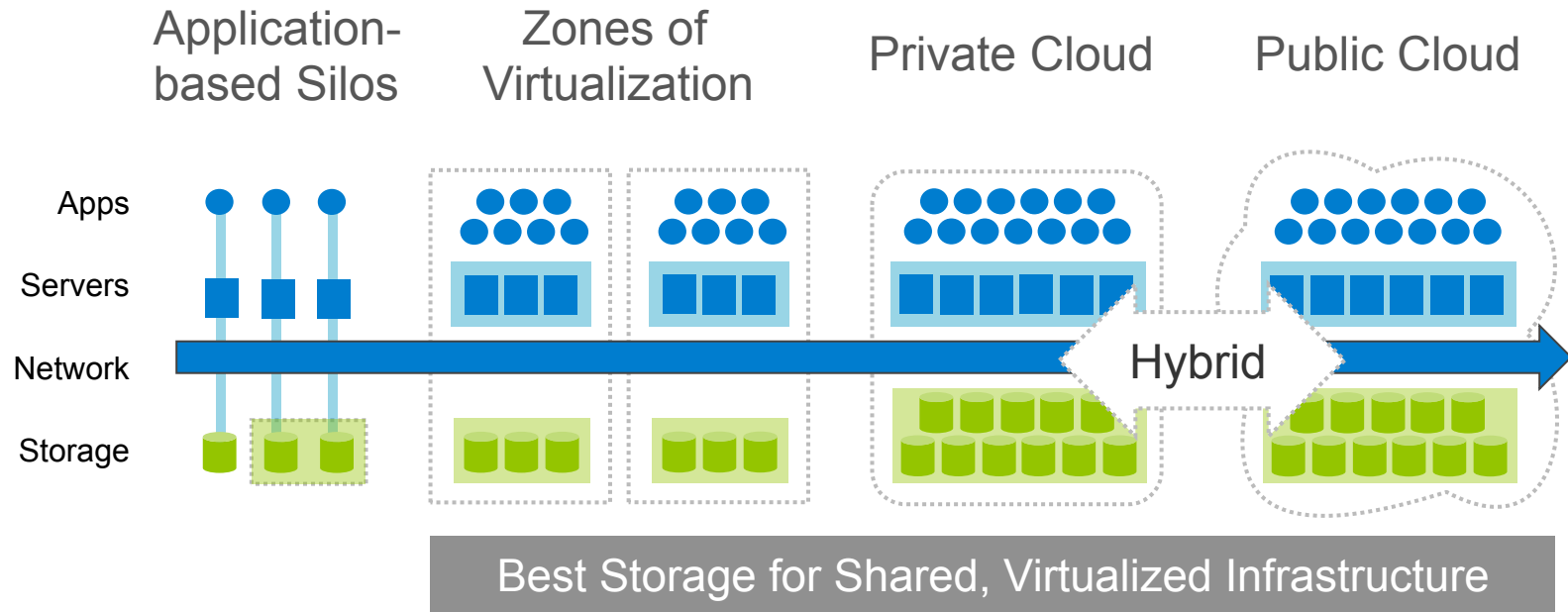
# Storage Workflow Automator (WFA)

- Automation of daily/repetitive tasks
- Can be executed by junior storage admins
- Eventually be offered as self-service
- Very easy integration to 3<sup>rd</sup> party portals/orchestrators





# NetApp Cloud Approach



Help customers increase IT flexibility and efficiency  
to make their businesses future-ready



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*Vielen Dank*

