



# Beyond Virtualization, why move to Cloud?

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# Virtualization

## Definition:

**Virtualization**, in computing, is a term that refers to the various techniques, methods or approaches of creating a virtual (rather than actual) version of something, such as a virtual hardware platform, operating system (OS), storage device, or network resources.

Source: Wikipedia

## Return:

- Reduction in server hardware and software costs: 63%
- Reduction in storage costs: 50%
- Reduction in IT operations costs: 70%
- Reduction in procurement costs: 50%
- Average CPU utilization: 5–10% before virtualization, 60-70% after
- Server consolidation ratio achieved: 12:1

Source: VMWare



# Beyond Virtualization: Automation

## Definition

The **automation** of the routine tasks performed in the management and operation of an IT environment. These include set-up re-configuration, start-up/shut-down, patching, upgrades etc. and address server, storage, networking, middleware, database, applications, reporting, compliance etc.

## Return

- Reduced storage administration ratio by 50%
- Reduced desktop administration ratio by factor 10
- Reduced server system administrator by 33%
- Reduced failure rate by 50%
- Eliminated 75% of time required for reporting
  
- Reduce license costs by releasing unused license keys
- Speed-up infrastructure provisioning drastically



# But there is more to it...

## Self Provisioning

### Top business Priorities for CIOs

Ranking	Top 10 Business Priorities
1	Increasing enterprise growth
2	Delivering operational results
3	Reducing enterprise costs
4	Attracting and retaining new customers
5	Improving IT applications and infrastructure
6	Creating new products and services (innovation)
7	Improving efficiency
8	Attracting and retaining the workforce
9	Implementing analytics and big data
10	Expanding into new markets and geographies

Source: Gartner Executive Program Survey of 2,000+ CIOs, January 2013



# Migrating to Cloud

Hybrid Delivery

End-user self provisioning

Application Transformation

Development & Testing - DevOps

Cloud Enabling the Data Center



# Common Use Cases on the Journey to the Cloud

## Dev/test Cloud

- Deliver apps faster
- Lower development costs



- From 7 days to 40 mins. to provision servers
- 42% reduction in server count

## Private Cloud Production

- Respond faster to business demands
- Lower operating costs



- Server deployment from 3 days to 1 hour
- 80% reduction in drug validation

## Service Provider Cloud

- Deliver new services
- Efficient delivery environment



- 99% reduction in customer time to value
- \$Mn savings – 60% drop in power costs

## Application Transformation

- Enhanced efficiency
- Lower costs



- Deployment in minutes
- 25% reduction in total cost of ownership

## Source External Services

- Rapidly consume services
- Capex to opex



TOKIOMARINE

- 60% reduction in time to service
- Variable consumption model



# Thank you

