



Business Case Teardown:

Identify Your Real-World On-Premises and
Projected AWS Costs

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Today's Agenda

1

Areas of Business Value

Cloud Value Framework

Defining TCO

2

TSO Logic

Overview

Data Ingestion

Use Case and Demo

3

Closing

Resources

Q & A

Achieving Business Value

Cloud Value Framework



Cost savings (TCO)

What is it?

Infrastructure cost savings/avoidance from moving to the cloud

Example

50%+ reduction in TCO (GE)



Staff productivity

What is it?

Efficiency improvement by function on a task-by-task basis

Example

Over 500 hours per year of server configuration time saved (Sage)



Operational resilience

What is it?

Benefit of improving SLAs and reducing unplanned outage

Example

Critical workloads run in multiple AZs and Regions for robust DR (Expedia)



Business agility

What is it?

Deploying new features/applications faster and reducing errors

Example

Launch of new products 75% faster (Unilever)

Cost impact

Value impact

Achieving Business Value

Cloud Value Framework



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 = today's focus

Cost impact

Value impact

Cost savings: modeling on-premises cost

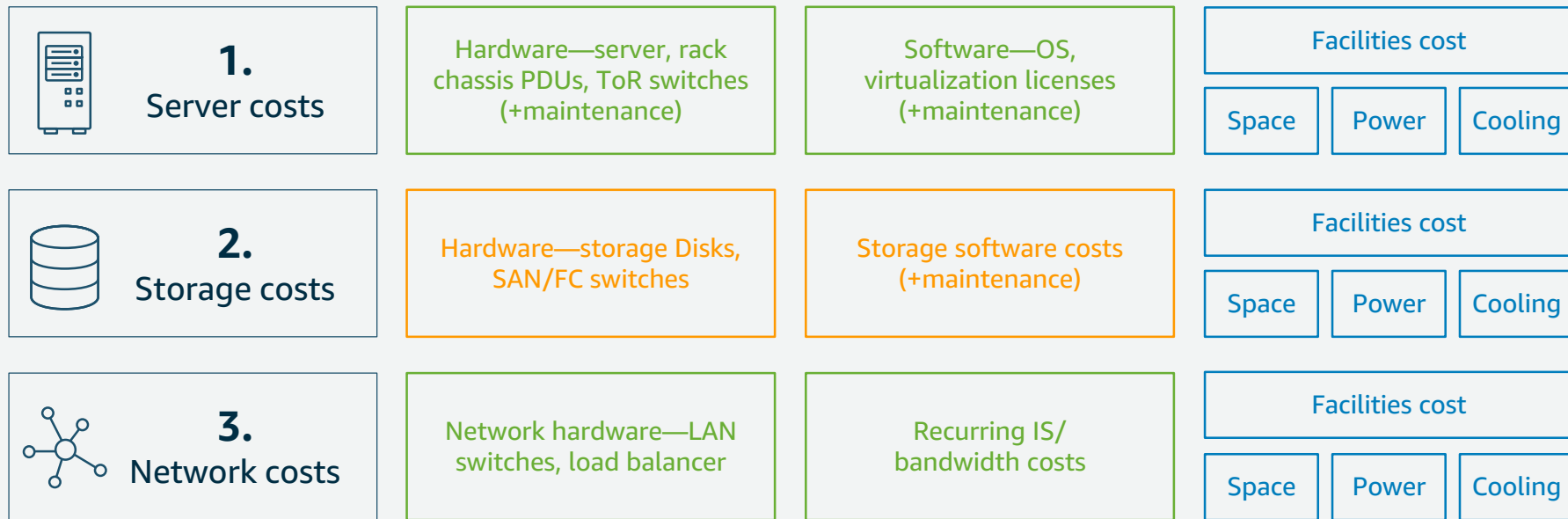
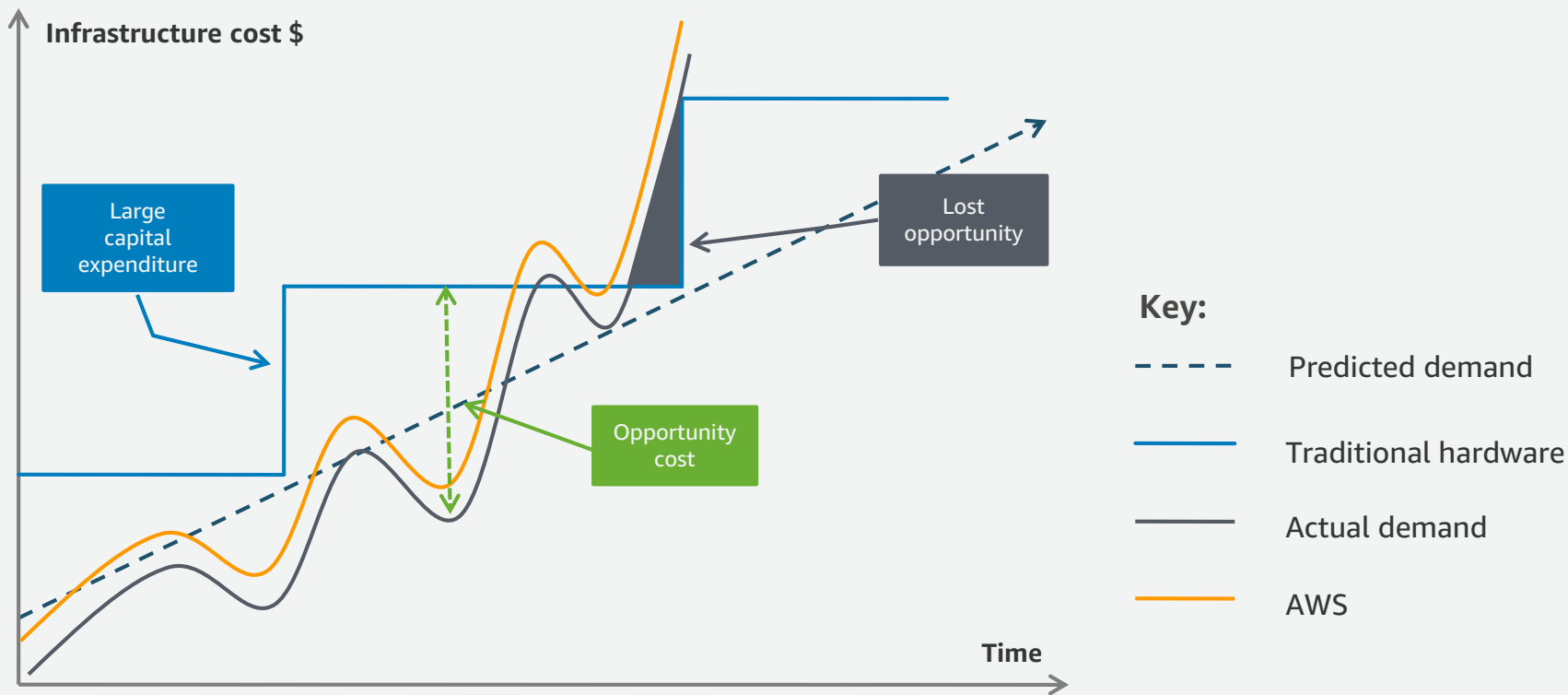


Diagram doesn't include every cost item. For example, software costs can include database, management, middle tier software costs. Facilities cost can include costs associated with upgrades, maintenance, building security, taxes, and others. IT labor costs can include security admin and application admin costs.

Illustrative



Cost savings: economics of the cloud





Source: TSO Logic statistically analyzed 104,823 on-premise OS instances deployed across 20 companies evaluating cloud migration. The organizations range in size from a few hundred to thousands of employees, and span multiple industries. The analysis captured hundreds of millions of data points over six months to develop a fine-grained model of their real-world OS utilization, usage and provisioning levels.



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TSO Logic, an AWS Company

About TSO Logic

Delivers an
optimized business
case for AWS

Determines the
most cost-effective
path to cloud

Maximizes
Microsoft licenses
for even bigger
savings

The TSO Logic Solution

On-premises Analysis

Identifies on-premises compute, local storage, memory and Windows licenses

Analyzes what you have, how it's used and what it costs to operate

Uses agentless collector or self-reported data

Cloud Planning

Determines the best-fit, lowest-cost placement for each workload on AWS

Creates multiple “what-if” scenarios

Right-sizes overprovisioning to recognize significant savings

Data Ingestion

Leverage Industry Benchmarks

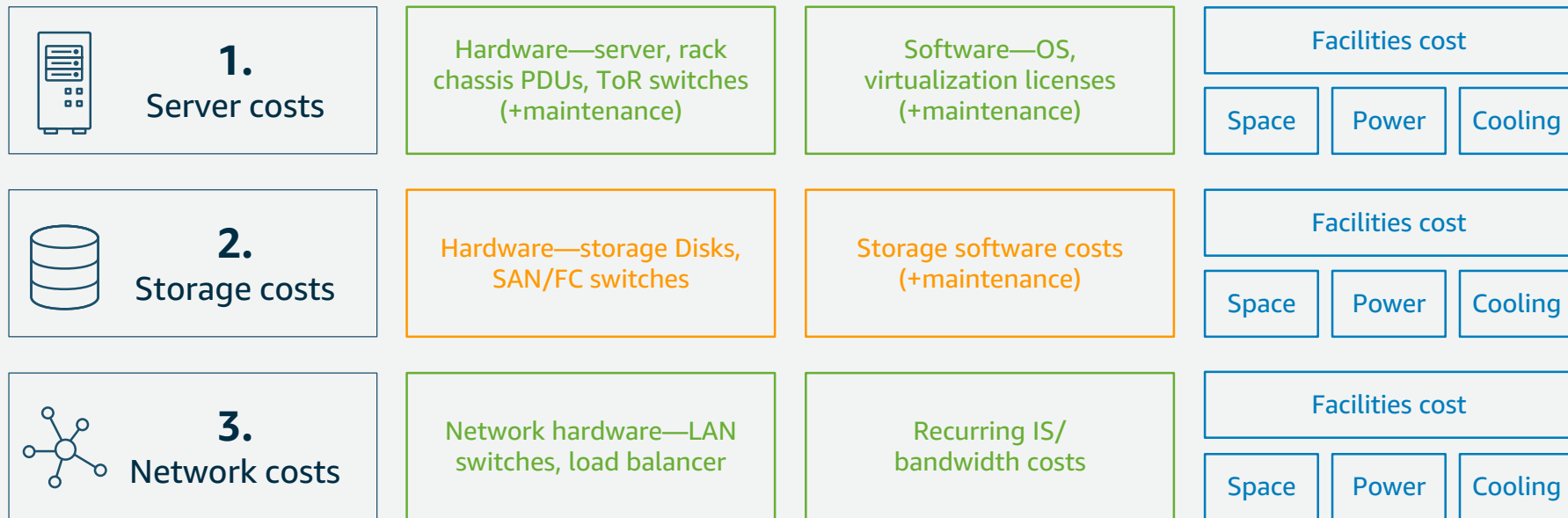


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Illustrative



Types of data ingestion

Self-Reported Data

Application performance monitoring

CMDB

Virtualization stack exports

Application dependency mapping tools

Agentless Collection

Software installs on a single VM

Leverages read only credentials

Data automatically or manually copied into TSO Logic's analytics engine

Benefits

Self-Reported Data

Uses data the customer already has

Reduces friction

Quick turnaround

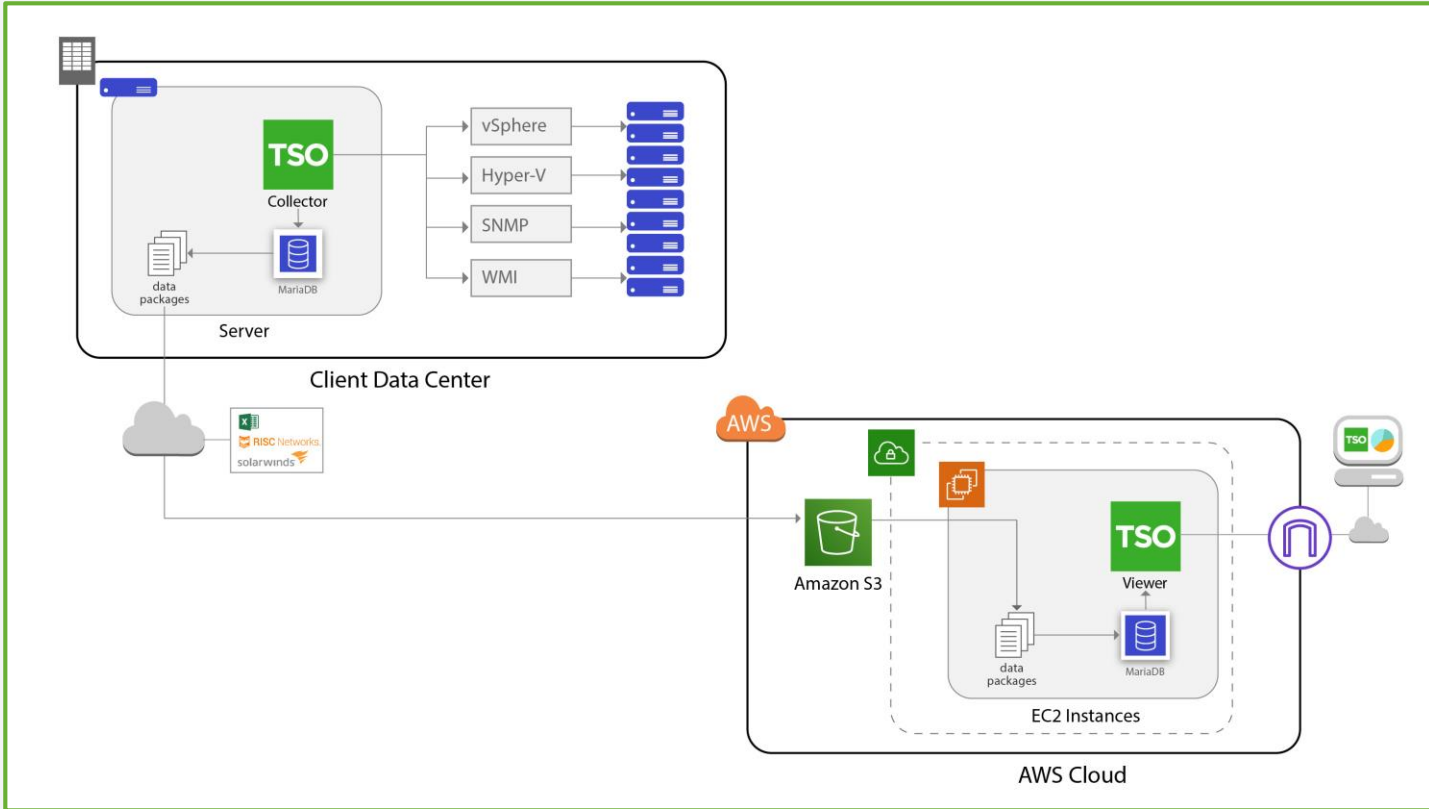
Agentless Collection

Real-time analysis of compute and storage

Communicates with existing data center systems

Includes bare metal and ad hoc instances

Where the data originate



TSO Logic Demo

Use Case

Situation Financial services technology company wanted to monetize vast amounts of data, accelerate software development, and deliver higher level of resiliency to customers.

Complication 800 physical and virtual machines
Multiple locations
Aging infrastructure

Solution To Be Determined

Results To Be Determined

How do I....?

1

Identify What I Have

2

Quantify My
Current Utilization

3

Quantify My
Current Costs

4

Calculate My Projected
AWS Costs

5

Develop A Windows
Licensing Strategy

“How To” Demo

Use Case

Situation	Financial services technology company wanted to monetize vast amounts of data, accelerate software development, and deliver higher level of resiliency to customers.
Complication	800 physical and virtual machines Multiple locations Aging infrastructure
Solution	TSO Logic was used to capture granular detail for on-premises costs and utilization and identified right-sized cloud resources on AWS.
Results	37% of servers were zombies, which was costing \$1 million Savings identified by moving nonproduction workloads and storage to AWS, continuing to use existing MSDN licenses.

Value realization study—Live Nation



Cost savings (TCO)

- 18% initial TCO savings
- 40% reduction in TCO through cost optimization after 1st year
- 58% reduction in TCO to date



Staff productivity

- 50% reduction in traditional IT tasks
- 10x improvement in # new of projects
- Improved automation and backup processes with managed services



Operational resilience

- 99.9% vs. 99.999% availability
- Improved security posture
- Near zero performance complaints



Business agility

- 10x increase in innovation pipeline
- Rapid experimentation
- 90%+ business user satisfaction with cloud services

Progress

Internal migration



17 months



Focus



118 apps in cloud



58% TCO savings

Live Nation is a \$10B revenue company that owns, leases and operates entertainment venues.
Full case study: [Live Nation estimated 18% cost savings with AWS...Their result? 58%](#)

Resources to Get You Started

TSO Logic Demo Video

<https://www.youtube.com/watch?v=z6lshDJgWRQ>

AWS TCO Calculator

<https://awstcocalculator.com>

Case Studies and Research

aws.amazon.com/solutions/case-studies

Live Nation Value Realization Study

aws.amazon.com/blogs/media/tag/live-nation/

IDC: Fostering Business and Organizational Transformation

pages.awscloud.com/Global_IDC_Enterprise_Whitepaper.html

AWS Account Manager

AWS TCO Calculator

Customers of All Types and Sizes

IDC White Paper: Fostering Business and Organizational Transformation to Generate Business Value with Amazon Web Services

Business Value Highlights

- 51% lower cost of operations
- 62% more efficient IT infrastructure staff
- 94% less unplanned downtime
- 25% higher developer productivity
- Almost 3X more new features delivered
- \$36.5 million per year of additional revenue
- 6 months to payback
- 637% two year ROI

Thank You!

Questions?