

# IT COST OPTIMIZATION & CONSOLIDATION: ELIMINATE WASTE, FUND WHAT MATTERS

Organizations face relentless pressure to reduce IT spending while maintaining service quality. According to Gartner, 15-30% of enterprise servers are zombie servers consuming power and licenses without delivering business value. Without dependency visibility, consolidation efforts risk breaking critical systems and causing outages that erase cost savings.

## THE CHALLENGE

- Zombie servers, shadow IT and underutilized infrastructure accumulate hidden costs while manual discovery remains too incomplete and outdated to surface waste reliably
- Consolidation without dependency mapping risks breaking critical systems, causing service disruptions
- Cost cuts made without understanding service dependencies risk disrupting revenue-generating applications
- Teams lack 12-24 months of consumption patterns needed for accurate rightsizing and vendor negotiations

## WHY TRADITIONAL APPROACHES FALL SHORT

Most organizations attempting infrastructure cost optimization or consolidation face one or more of these common pitfalls:

### MANUAL DISCOVERY & SPREADSHEETS

*Gathering asset and use data through interviews & manual records*

#### Why it fails:

- Data is outdated once collected; rightsizing decisions unreliable
- Manual processes miss shadow IT and unmanaged assets
- No dependency context means decisions are made blind
- Consolidating data from siloed sources reveals static snapshots

### AGENT-BASED MONITORING TOOLS

*Deploy performance agents on servers to collect use metrics*

#### Why it fails:

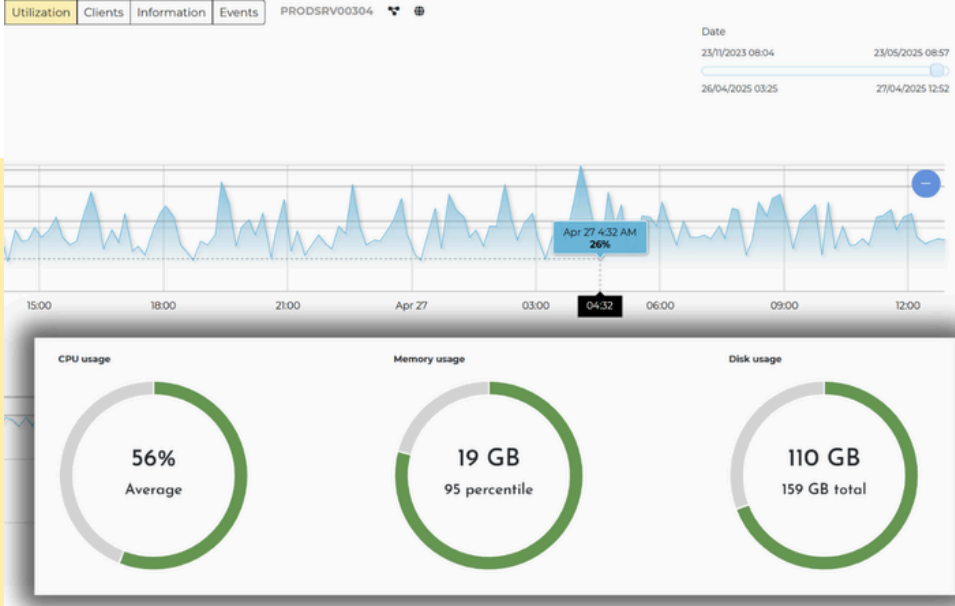
- Only servers with agents installed are visible
- Use data collected per server, with no service dependencies
- Agent deployment creates overhead and coverage gaps
- Metrics can't show if removing a server breaks a service

### CLOUD COST MANAGEMENT PLATFORMS

*Use dashboards and CMDB to find and eliminate spending waste*

#### Why it fails:

- CMDB accuracy only 40-60% accurate
- Cloud cost tools can't map business capabilities
- Focus on individual resources, not cross-service dependencies
- No historical behavioral context ignores seasonal peaks



# THE MUGATO DIFFERENCE

Mugato enables **seven-dimensional rightsizing that reveals every source of infrastructure waste**. We connect each component to the business service it supports, enabling optimization that is dependency-aware, historically informed and safe to execute.



## AGENTLESS DISCOVERY OF ALL INFRASTRUCTURE & WASTE

Mugato automatically discovers every device, application and connection across your entire environment without installing software on any endpoint, including zombie servers, shadow IT and unmanaged assets invisible to agent-based tools.

**Why it matters:** You can't optimize what you can't see. Complete, agentless discovery exposes the full scope of waste before you make a single consolidation decision.



## SEVEN-DIMENSIONAL RIGHTSIZING

Mugato analyzes each infrastructure component across seven dimensions: compute use, technical debt, cybersecurity posture, licensing cost, management overhead, hardware age and consolidation opportunity. Analysis happens at the application-service level.

**Why it matters:** Reveals the true cost and risk profile of every asset, enabling prioritization that maximizes savings while protecting service quality.



## DEPENDENCY MAPPING FOR SAFE CONSOLIDATION

Mugato maps every communication pattern, data flow and service relationship, showing exactly which business capabilities depend on each server before any decommissioning decision is made. Blast radius analysis quantifies the precise downstream impact.

**Why it matters:** Consolidation without dependency intelligence causes outages that erase savings and damage stakeholder credibility.



## FULL TEMPORAL DATASET

Mugato's minute-granularity data collection retains the complete behavioral history of every infrastructure component, capturing consumption patterns, seasonal variations, scheduled batch processes and growth trends.

**Why it matters:** Hourly or daily averages mask utilization peaks. Minute-granularity data that is never aggregated ensures rightsizing reflects actual demand, not smoothed approximations.



## BUSINESS-SERVICE-LINKED COST ALLOCATION

Mugato automatically groups application services into business services, connecting infrastructure costs to the business capabilities they support. Our application-centric view surfaces hidden cost drivers and enables license rationalization, replacing endpoint analysis.

**Why it matters:** Linking infrastructure spend to business services provides FinOps and sourcing teams with data for chargebacks, vendor negotiations and license optimization.

## PAIN POINTS

## MUGATO PAINKILLERS

*“We know we're wasting money on zombie servers, but we can't tell which ones are safe to decommission without risking a production outage”*

**Dependency mapping reveals exactly which business services connect to each server, so every decommissioning decision is safe to execute**

*“Our discovery data is months out of date by the time we finish it; our rightsizing analysis is unreliable”*

**Continuous discovery maintains a real-time view so rightsizing always reflects your environment**

*“We can see cloud spend in our cost dashboard, but we can't tell which business services those resources support or whether they're safe to cut”*

**Automated service dependency mapping connects every infrastructure to the business capabilities it supports, enabling decisions with full impact context**

*“Our rightsizing recommendations are based on a two-week snapshot. We have no visibility into batch processes or seasonal peaks”*

**Minute-granularity historical data captures the behavioral profile of every asset, ensuring rightsizing covers irregular processes and workload variations**

*“We can't hold business units accountable for cloud spending because we have no way to attribute infrastructure costs to specific applications or teams”*

**Application-centric infrastructure grouping links technical spend directly to business services and application owners**

*“Our rightsizing is based on daily averages and we keep reclaiming capacity that we need during peaks”*

**Minute-granularity data is never aggregated, so you can see peaks and reclamation reflects behavior**

## KEY OUTCOMES

By using Mugato for infrastructure cost optimization and consolidation, organizations reduce spend and redirect savings:

**Reduce infrastructure costs significantly:** Identify 20-40% potential reduction in spend through zombie server elimination, rightsizing and license optimization

**Maintain operational stability:** Dependency mapping ensures cost savings are not erased by the outages and credibility damage that blind decommissioning causes

**Enable strategic investment:** Redirect substantial budget from infrastructure waste to innovation initiatives, application modernization and digital transformation

**Restore stakeholder credibility:** Data-driven decisions with clear business impact analysis replace tribal knowledge, rebuilding confidence with stakeholders

## MUGATO®

Mugato provides enterprises a real-time blueprint of their entire IT landscape used to map, plan, execute and monitor IT transformation projects. The platform reveals company-wide IT architecture through automatic mapping of applications, infrastructure and dependencies so organizations avoid making critical decisions based on outdated and inaccurate information. Delivering project and cost predictability with no setbacks, no rollbacks and no guesswork.

**IT'S NOT MAGIC, IT'S SCIENCE**