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APPTIO
an IBM Company
Orlando 2025
regoUniversity
Apptio • Targetprocess • Cloudability
Optimizing IT Efficiency:
Integrating Turbonomic with
Apptio and Cloudability
Your Guides:
Daniel Cunningham and Tim Pietro

Part I: Introduction

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Agenda

- Introduction
- Configuration Basics
- Security Basics
- Installing Jaspersoft Studio
- Interface Introduction
- Data Adapter Setup
- Server Connection Setup

Introductions

- Take 5 Minutes
- Turn to a Person Near You
- Introduce Yourself
- Business Cards

Part I:
FinOps Overview

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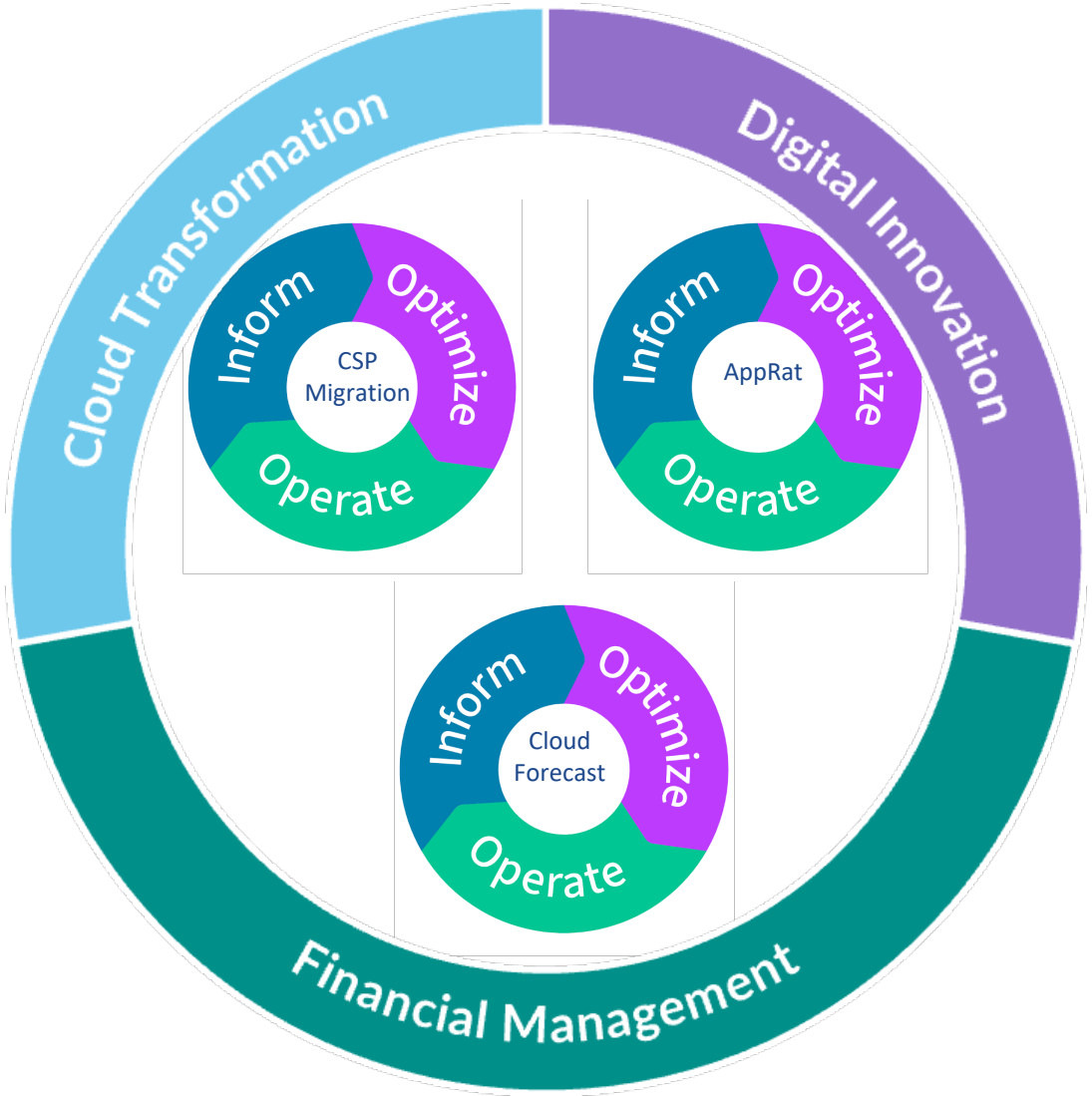
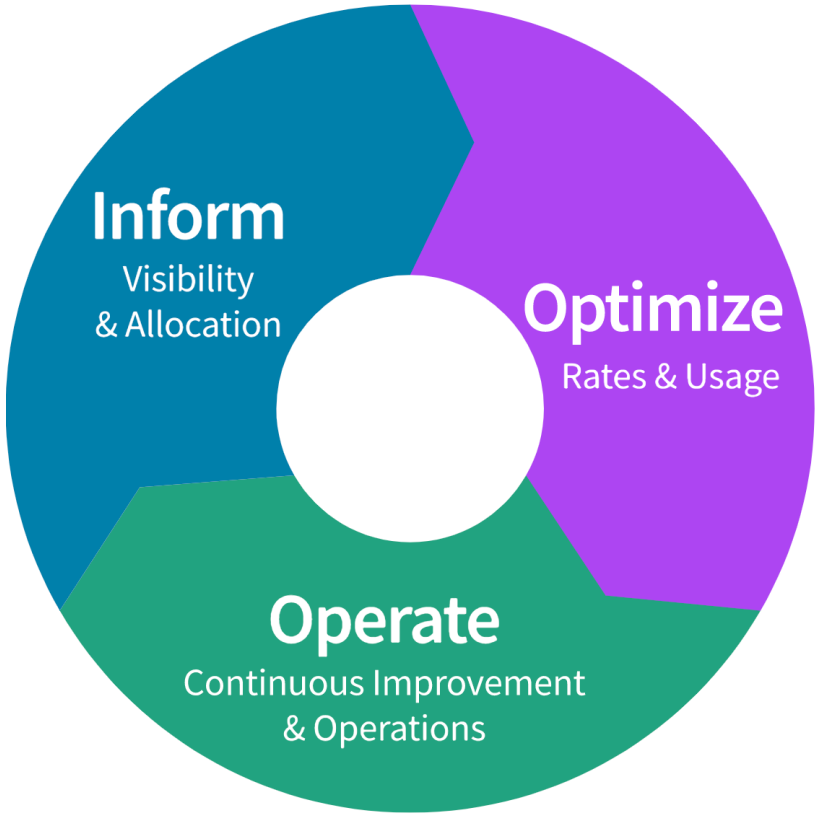
FinOps + TBM Together



- FinOps guides operational heart of Cloud Practices in support of TBM goals
- Each phase of TBM can engage the FinOps Cycle independently
  - Inform -> Assure Data Quality
  - Optimize -> Understand Utilization and Opportunities for Refinement
  - Operate -> Align People to enact the adjustments

FinOps: Financial Governance for Cloud

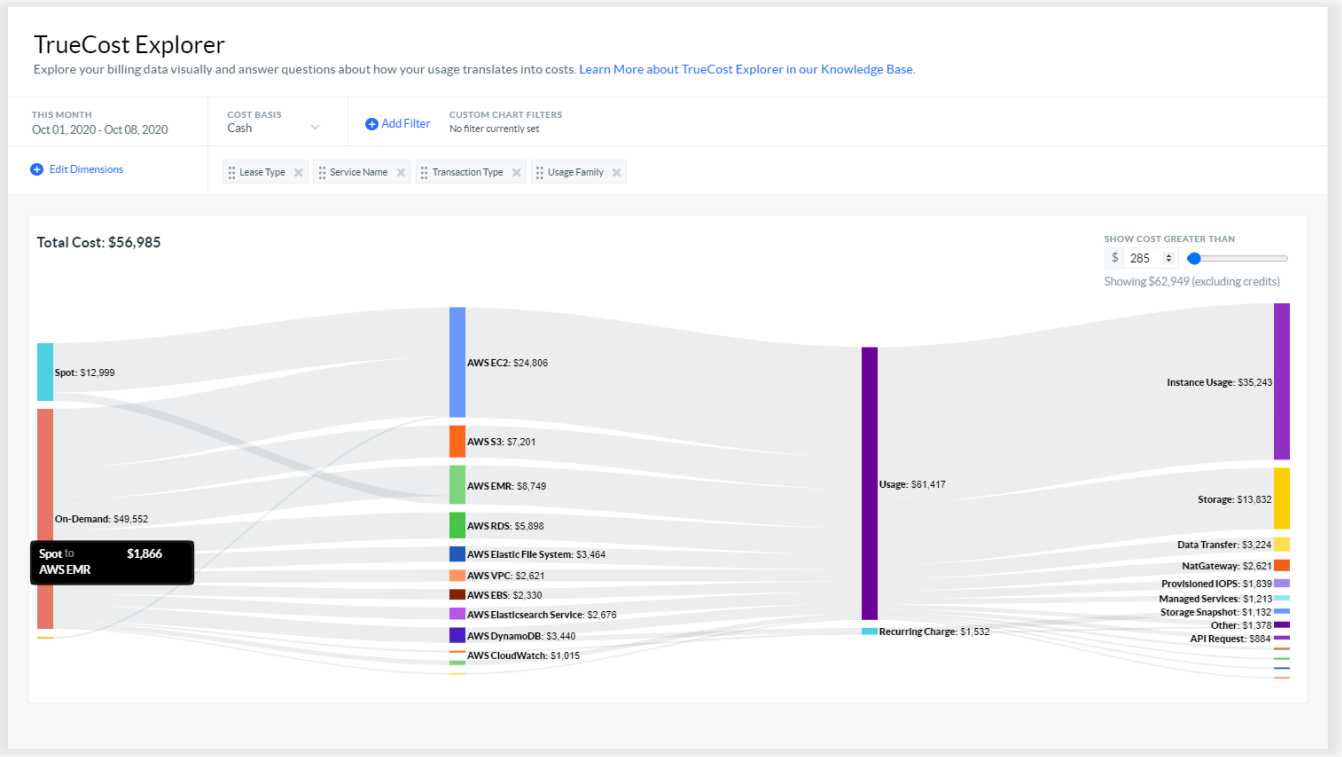


The 3 phases of the FinOps lifecycle

Courtesy: FinOps Foundation

- A set of principals, processes and tools
- That enable collaboration between IT, Finance and The Business
- To maximize the business value of an organization's cloud deployment

Inform



Figures for example only

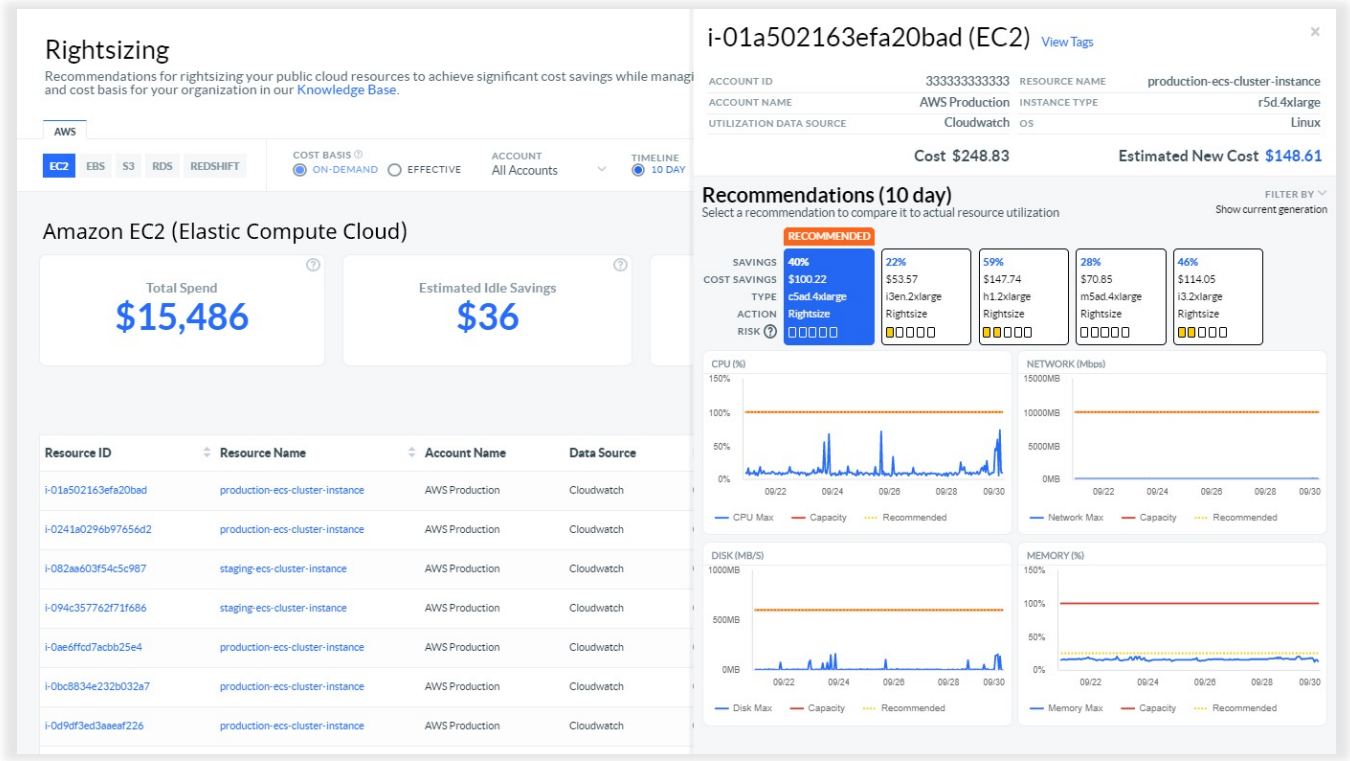
Establish cost allocation strategy

Integrate custom pricing and discounting

Perform showback/chargeback for BUs

Curate dashboards and personalize views

Optimize



Figures for example only

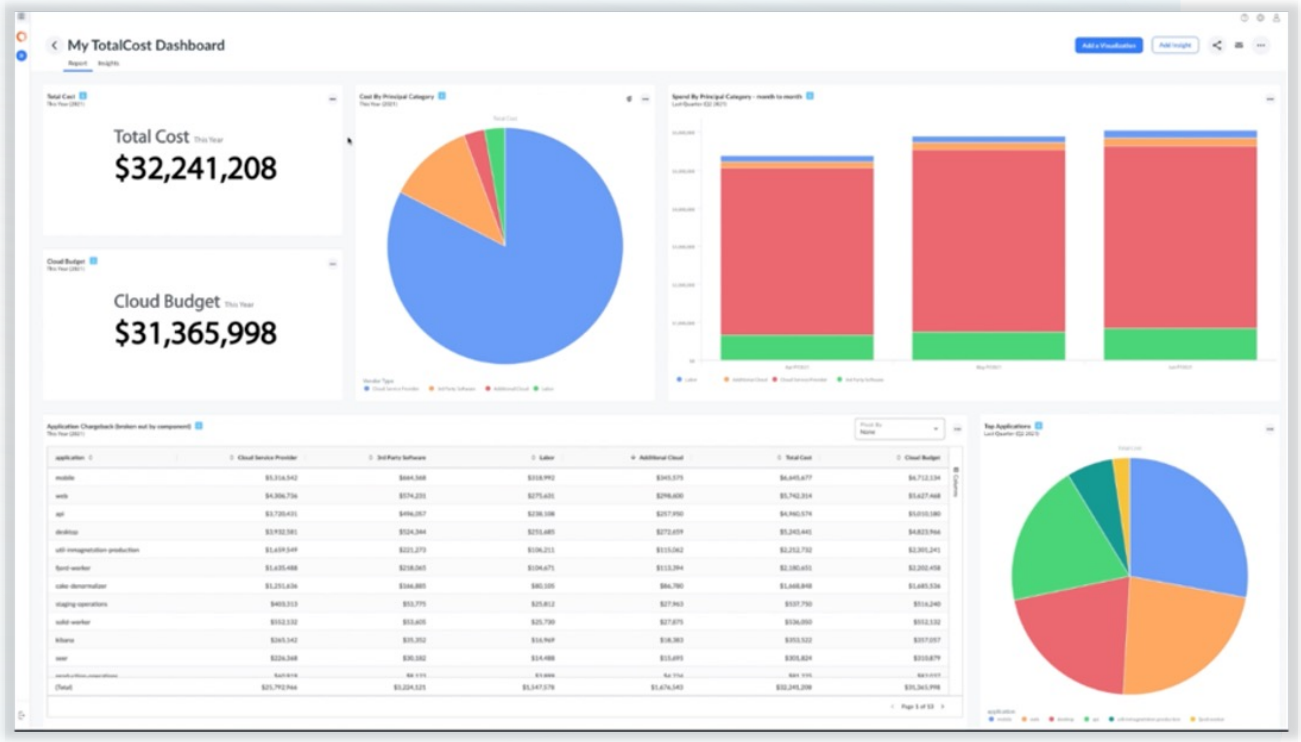
Identify idle resources and eliminate waste

Rightsize VMs, databases, storage and more

Centralize commitment buying process

Detect and address spend anomalies

Operate



Figures for example only

Automate workflows for cost optimization

Track to budgets and forecasts

Enable engineers to take action

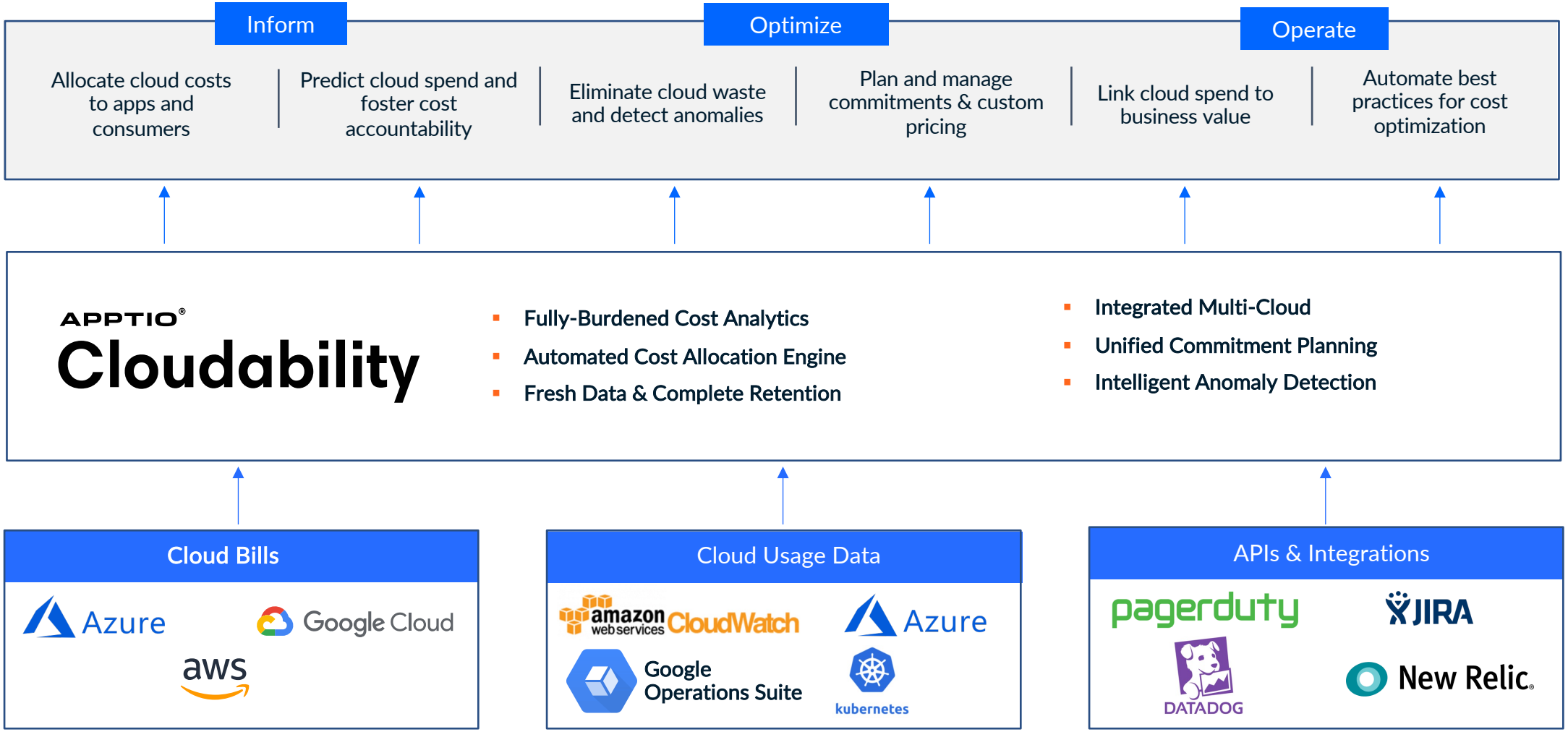
Communicate progress regularly

Discussion Points

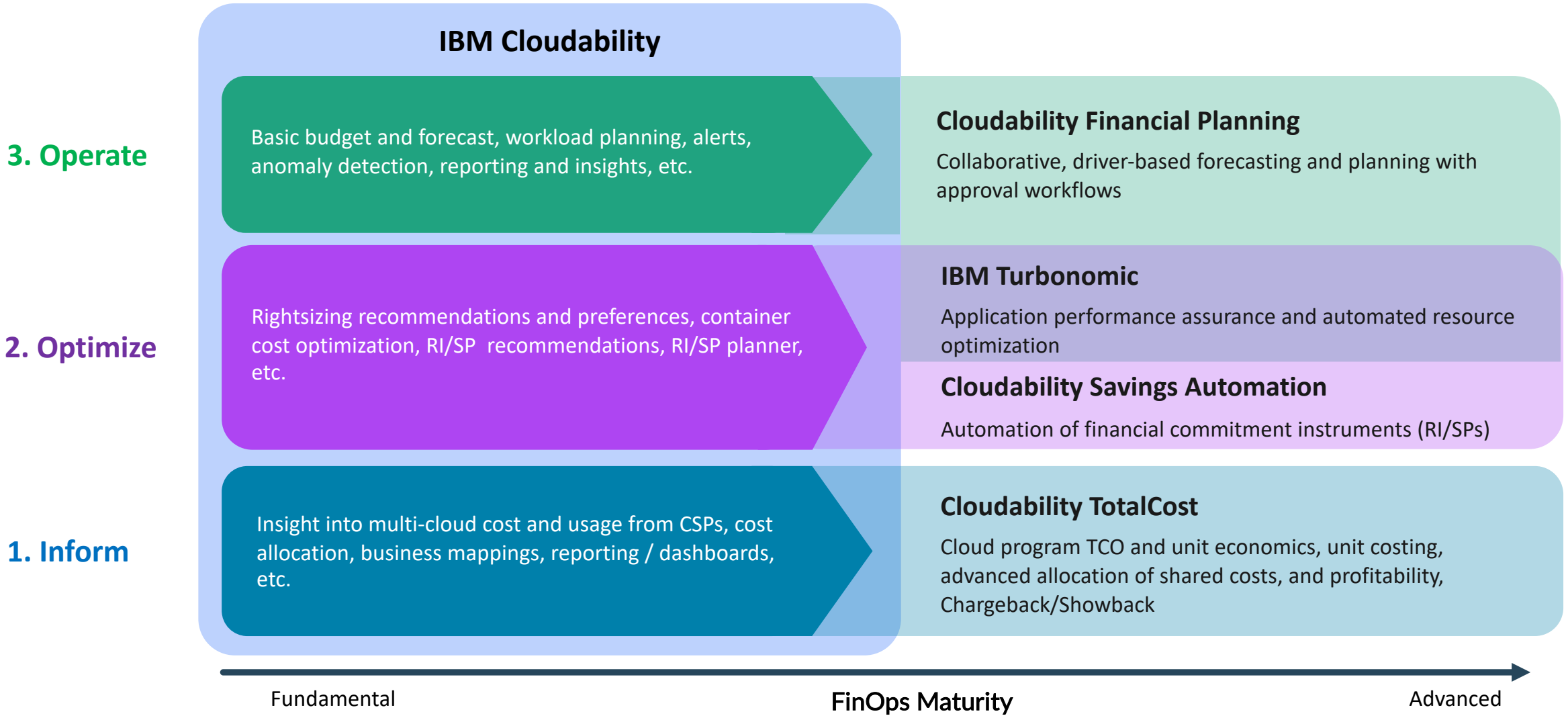
- Where does ownership of cost reduction sit in your org today?
- What is your organization's strategy today for stabilizing cost today? If through purchasing, what vehicle do you use (RIs, SPs, other)?
- How is cost stabilization communicated?

Part II:
Cloudability + FinOps

Cloudability and FinOps: Operating Model



FinOps for all phases & maturity levels



Part III:
Turbo + Cloudability

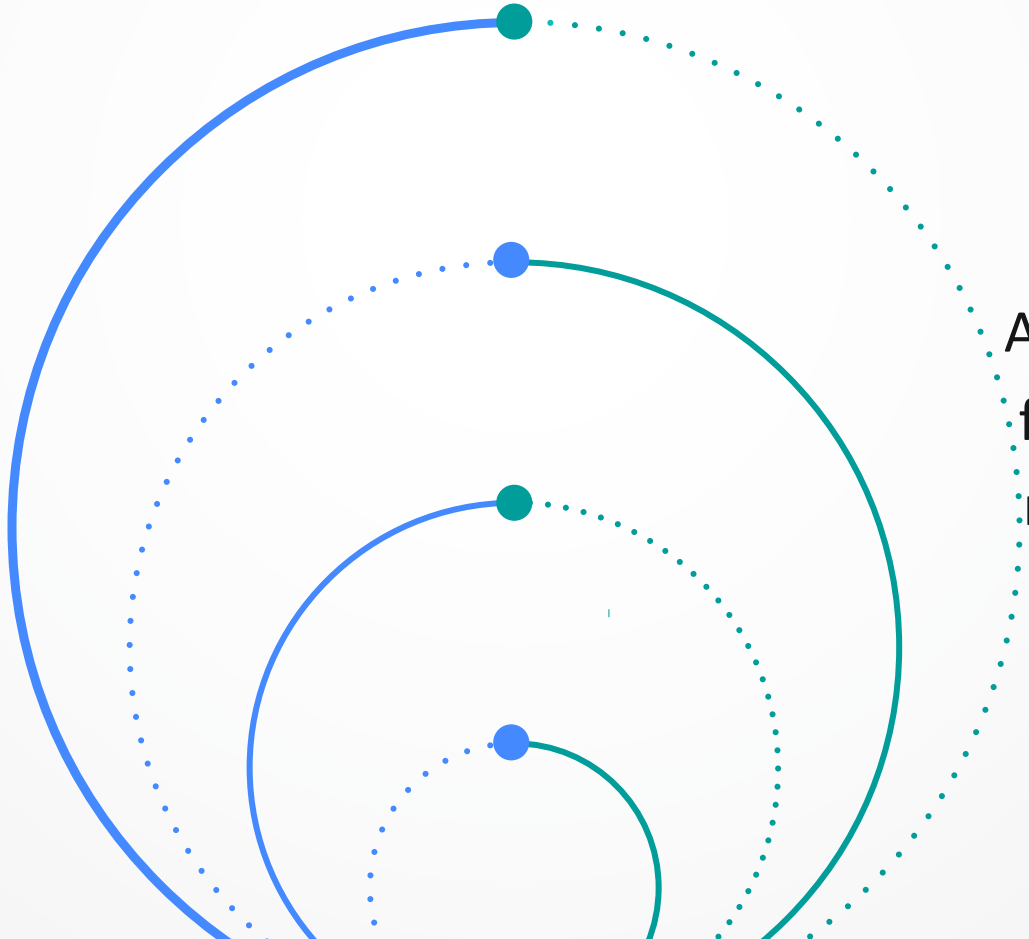
Surpass your FinOps goals with the combination of

Cloudability and Turbonomic

IBM Apptio Cloudability

Maximize cloud value

Cloud cost management and optimization for all FinOps phases to tie spend to business value delivered

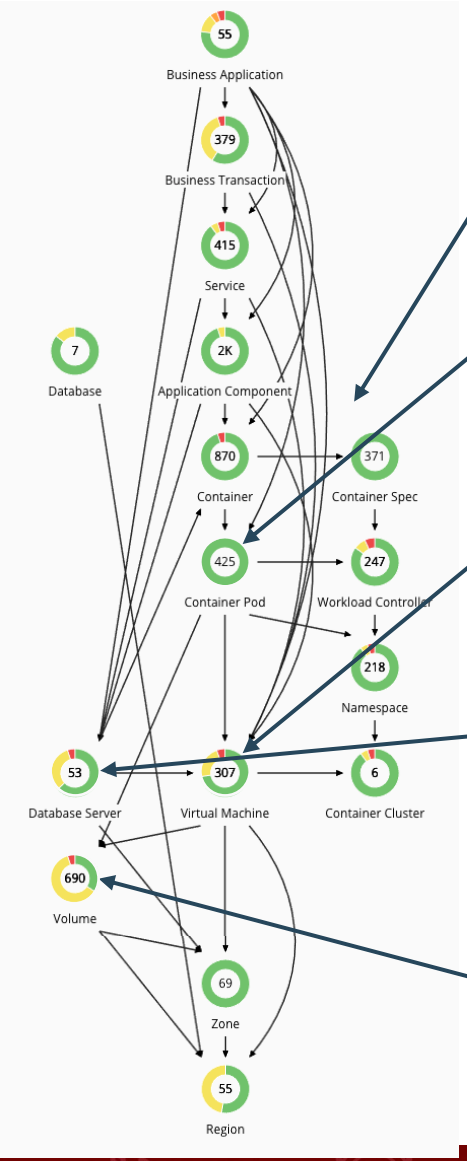


IBM Turbonomic

Protect the business

Automated elasticity at scale for all multi-cloud and cloud native operations to protect performance and control spend

Automate actions at every layer of the stack to drive elasticity.



Workload Controller Name	Cluster	Namespace	Risk	Action Category	Action
cpu-up	Kubernetes-se-lab-aks	default	VMem Limit Congestion, VCPU Throttling Congestion i...	PERFORMANCE	DETAILS
csi-azurefile-node	Kubernetes-se-lab-aks	kube-system	VCPU Throttling Congestion in Container Spec node-dri...	PERFORMANCE	DETAILS

Container Pod Name	Cluster	Namespace	From	To	Risk	Action Category	Action
openshift-monitoring/prometheus-k	Kubernetes-OCP48-DC11	openshift-monitoring	ocp-release-jlw72-worker-p2k	ocp-release-jlw72-worker-25x	VMem Congestion	PERFORMANCE	DETAILS
default/cpu-move-5479d	Kubernetes-se-lab-gke	default	gke-turbo-se-lab-default-pool-	gke-turbo-se-lab-default-pool-	VCPU Congestion	PERFORMANCE	DETAILS

Virtual Machine Name	Account	Instance Type	RI Coverage	On-Demand Cost	New Instance Type	New RI Coverage	New On-Demand Cost	Action Category	Cost Impact ↓	Action
PT_Resize_Down_T	Quality Engineering	m5a.2xlarge	0%	$0.372/h	c5a.xlarge	50%	$0.081/h	SAVINGS	↓ $212.44/mo	DETAILS
ptaub807disabled	EA - Development	Standard_E4s_v3	100%	$0.178/h	Standard_B2s	0%	$0.048/h	SAVINGS	↓ $95.17/mo	DETAILS
ptaub807enabled	EA - Development	Standard_E4s_v3	50%	$0.129/h	Standard_E2s_v3	100%	$0.00/h	SAVINGS	↓ $94.18/mo	DETAILS

Database Server Name	Account	Non-Disruptive	Reversible	Instance Type	On-Demand Cost	New Instance Type	New On-Demand Cost	Action Category	Cost Impact ↓	Action
database-2-instanc	Development	✗	✓	db.r3.2xlarge-aur...	$1.16/h	db.t3.medium-aur...	$0.082/h	SAVINGS	↓ $786.94/mo	DETAILS
paas-lowcache-mai	Development	✗	✓	db.t3.medium-gp2	$0.095/h	db.t2.medium-sta...	$0.091/h	PERFORMANCE	↓ $2.55/mo	DETAILS

Name	Account	Non-Disruptive	Reversible	Attached VM	Tier	Disk Size	IOPS	Cost	New Tier	New Disk Size	New IOPS	New Cost	Action Category	Cost Impact ↓	Action
snap_irmel_dotn	EA - Developm	✗	✓	dotnetVMad	Managed Pr...	1 TB	5000	$148.68/...	Managed S...	1 TB	500	$40.96/...	SAVINGS	↓ $107.72/r	DETAILS
77699-richard.st	EA - Developm	✗	✓	77699-richarc	Managed Pr...	1 TB	5000	$135.17/...	Managed S...	1 TB	500	$40.96/...	SAVINGS	↓ $94.21/m	DETAILS
77699-richard.st	EA - Developm	✗	✓	77699-richarc	Managed Pr...	1 TB	5000	$135.17/...	Managed S...	1 TB	500	$40.96/...	SAVINGS	↓ $94.21/m	DETAILS
vol-Inst3-SDwoM	Product Mana	✓	✓	Inst3-SDwoM	Standard	8 GB	160	$60.13/...	GP3	8 GB	3000	$0.64/mo	PERFORMANCE	↓ $59.49/m	DETAILS
vol-Inst1-SUwoM	Product Mana	✓	✓	Inst1-SUwoM	Standard	8 GB	160	$56.34/...	GP3	8 GB	3000	$0.64/mo	PERFORMANCE	↓ $55.70/m	DETAILS

Questions?

Surveys

Please take a few moments to fill out the class survey.
Your feedback is extremely important for future events.

Thank You For Attending Rego University

Instructions for PMI credits

- Access your account at pmi.org
- Click on **Certifications**
- Click on **Maintain My Certification**
- Click on **Visit CCR's** button under the **Report PDU's**
- Click on **Report PDU's**
- Click on **Course or Training**
- Class Provider = **Rego Consulting**
- Class Name = **regoUniversity**
- Course **Description**
- Date Started = **Today's Date**
- Date Completed = **Today's Date**
- Hours Completed = **1 PDU per hour of class time**
- Training classes = **Technical**
- Click on **I agree** and **Submit**

Let us know how we can improve!
Don't forget to fill out the class survey.

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