

# Full Stack FinOps

enabled by CloudBilling 360™ x intel Granulate

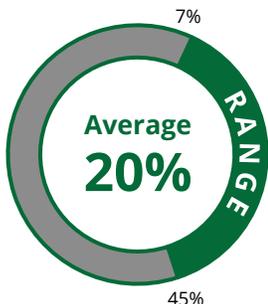
Cloud introduces new complexities into IT financial management that is challenging to navigate using traditional processes.

<p><b>DEMAND UNPREDICTABILITY</b> Understanding future demand drives commercial options selected from service providers; use of on-demand vs. subscription options critical to gain cost efficiency</p>	<p>Cloud business case and forecasts well defined and communicated effectively to leadership</p>
<p><b>VARIABLE SPEND</b> On demand consumption and variable pricing models drive requirements to react to changes in spend patterns in real time</p>	<p>Optimized cloud cost that maximizes savings and return on investment</p>
<p><b>OPERATING MODEL</b> IT and Finance organizations need to operate more efficiently together to enhance agility of the business and pro-actively monitor/react to spend</p>	<p>Cloud FinOps capability defined and stood up to financially govern cloud spend</p>
<p><b>DATA &amp; PRICING COMPLEXITY</b> Complexity of cloud provider services and pricing structures drives necessity for enhanced mapping of organizational data to cloud provider bills</p>	<p>Full integration of financial management embedded in the operating model and culture</p>

## Using FinOps to Maximize Cloud Value

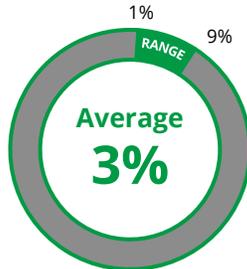
As an organization expand its footprint in cloud, there are opportunities to optimize cloud cost by managing resource wastage, optimizing existing workloads, and purchasing usage commitment for additional savings.

### Cloud Cost Optimization [1]



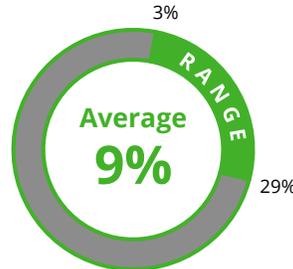
**Deloitte Cloud Blog, May 2023,**  
*Expected savings from cost optimization initiatives*

### Waste Management



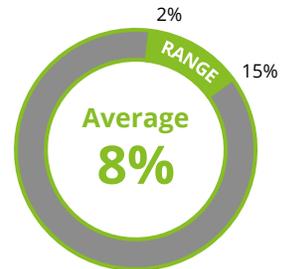
**Waste Management:**  
*Deleting aged snapshots, release idle IPs, deleting unattached disks, account restructuring*

### Consumption Management



**Consumption Management:**  
*Rightsizing VMs, Storage, Snoozing non-prod VMs, expensive storage replacement, reduce data transfer costs*

### Purchasing Tactics



**Purchasing Tactics:**  
*Reserve Instance, savings plan, spot instances, enterprise discounts, BYOL/Hybrid Licenses*

FinOps optimization need to be tackled at the infrastructure level as well as at the workload and application performance level to ensure organizations are not leaving any money on the table and making the most of their cloud investments.

### INFRASTRUCTURE OPTIMIZATION

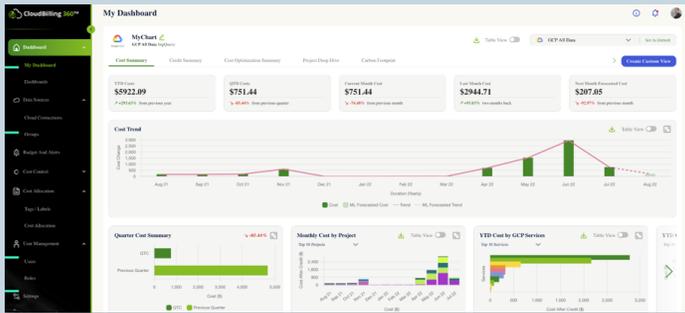
Achieve the right balance between performance and cost by selecting the appropriate Cloud IT infrastructure to ensure compute power scales with demand to achieve cost efficiency.

### APPLICATION OPTIMIZATION

Improve application performance and quality of service by leveraging continuous application-level optimization and capacity management to tailor resource scheduling decisions to adapt to your services, resolving inefficiencies and increasing performance.

#### Asset Spotlight: CloudBilling 360™

**CloudBilling 360™** is a GenAI solution that can help clients accelerate their FinOps journey with capabilities to visualize, optimize and manage cloud spend with minimal effort



#### Outcomes

- Drive **financial accountability and visibility** with spend reports and dashboards
- Identify trends and faster insights on financial data using Gen AI-powered **CeeBee Bot**
- Optimize cloud usage** and cost efficiency by utilizing **cost optimization levers**
- Accelerated impact and value** of consultancy services

#### Integration with intel Granulate

Granulate can... **Improve performance and reduce cost by optimizing runtime resource management at cloud scale. No code changes required.**

#### Intel Granulate at Work

- 1 Learning:** Study resource usage patterns and data flow, identify contentions, bottlenecks, and prioritize opportunities.
- 2 Optimization:** Tailor resource scheduling decisions to adapt to your services, resolve inefficiencies and increase performance.
- 3 Cost Reduction:** Leverage continuous application-level optimization and capacity management to improve infrastructure performance.

Cost Savings up to

**45%**



Throughput Increase up to

**20%**



Job Time Reduction up to

**35%**



Code Changes

**0**



### START THE CONVERSATION



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Managing Director



**Nik Jethi**  
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**Brett Comfort**  
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Cloud Partner  
Manager



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