

BEZNext Cloud Performance and Financial Decisions Optimization

SOME CLOUD STATS

Cloud spending will constitute 45% of ALL enterprise IT spending in 2021 – *Gartner*

92% of enterprises employ a multi-cloud strategy – *Flexera*

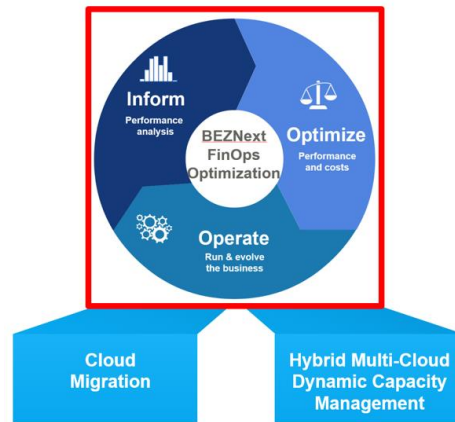
36% of enterprises spend more than \$12M annually on cloud – *Flexera*

Respondents claim 30% of Cloud spend is wasted – *Flexera*

80% of organizations will exceed their planned cloud budgets - *Gartner*

CLOUD TRENDS

Gartner encourages “scale-out” applications to move to the cloud. Analytic workloads like data warehouses and data lake environments are prime candidates to migrate immediately.



BEZNext Performance and Financial Governance Optimization

In November of 2020, Gartner published a list of seven workloads that should be moved to the cloud immediately. One of those listed were scale-out applications or those workloads that benefit from adding additional compute resources to meet increasing demand. Gartner pointed out that hyperscale cloud environments “*had established a credible business case for cloud platforms*”. One obvious workload type that fits that description are analytic workloads such as data warehouses, data marts and big data environments.

The migration of on-prem analytic workloads to the cloud is fraught with complexity. Along the way, many decisions must be made and the failure to choose correctly may have a negative impact on users, customers and the organization’s IT budget.

- Reduce the risk of performance and financial surprises on your cloud spend.
- Determine the correct cloud infrastructure configuration to meet your workload service level goals.
- Compare the relative costs for different cloud data platform providers running your workloads.
- Make faster, better, data-driven FinOps and DevOps decisions for analytic workloads in the cloud.

Each enterprise’s data warehouse hosts many business workloads (i.e., marketing, sales, finance). Each workload has a distinct performance, resource utilization, and data usage profile. Each line-of-business is likely to have specific service level goals. Understanding the characteristics of each workload is paramount to a successful cloud migration.

BEZNext experts can automatically collect data to characterize each of your workloads and using predictive analytic modeling, estimate how your workloads will perform in the cloud. In addition, we can estimate what it will cost to achieve it.

BEZNext

Consortium of PhD experts in large, complex system cost/performance optimization.

Utilizes modeling and predictive analytics via AI, ML and iterative queueing network modeling and gradient optimization to assist in the optimization of cloud performance and financial governance.

Reduce the time, cost, and increase the accuracy of critical FinOps decisions.

YOUR QUESTIONS ANSWERED

How to select appropriate cloud platform for your on-premises workloads?

How to optimize workload migration decisions?

How to organize dynamic capacity management of a hybrid multi-cloud environment?

How determine right cloud platform for your new applications prior to deployment in the cloud?



Making decisions for a process with so many variables can be overwhelming. The stakes are high to get this right. According to the [2021 State of the Cloud Report](#), respondents estimated that 30% of their cloud spend was wasted! Gartner estimated that 80% of organizations will overshoot their cloud budgets. Even so, 90% stated that their planned cloud usage was slightly to significantly higher because of the current pandemic. With increased cloud adoption and cost in your forecast for the future, it makes sense to pursue a method for making improved, data-driven decisions for workloads transitioning to the cloud and to understand how future changes and growth will impact your cloud spend budget. After all, the cloud may support infinite growth but your IT budget is always going to be constrained. Achieving the best balance of price/performance in the cloud is what BEZNext can do for your organization.

Who is **BEZNext**?

Founded in 2011, BEZNext is a consortium of PhDs lead by Dr. Zibitsker. We are experts in modeling and optimization of complex systems. Our software and services employ machine learning and artificial intelligence software that incorporate iterative queueing network models and gradient optimization to model the behavior of your workloads and assist organizations in optimizing both their cloud performance and their financial governance.

Through use of our modeling and optimization, organizations can evaluate options and optimize their cloud platform selection, migration to cloud, dynamic capacity management and DevOps decisions. Our recommendations set realistic performance and financial expectations. It enables results verification by comparing the actual measurement data with expected. It improves confidence and reduces the risk of performance and financial surprises. Our typical project is 2-3 weeks in duration. Our use of predictive analytics to develop strategic, tactical, and operational Performance Assurance recommendations have been utilized by over 100 organizations in the Fortune 500.

If you are interested in engaging with our team and learning more about our process, deliverables and cost, please contact us at info@beznex.com.

Example Services:

- Appropriate cloud platform selection
- Cloud migration optimization
- Dynamic capacity management
- DevOps optimization