

Long View

## Azure Governance for Cost Management

Simplify and maximize your cloud capability

### KEY BUSINESS DRIVERS

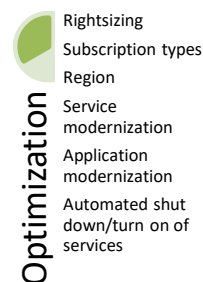
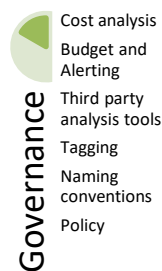
#### Does any of this sound familiar?

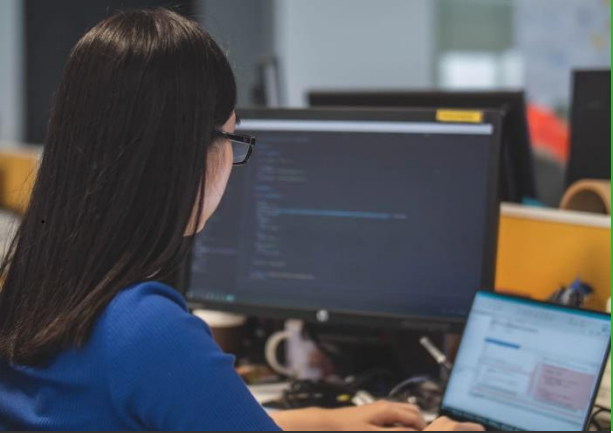
- > We are concerned about going over our monthly Azure budget and are unsure of how to take advantage of the Azure promotions and discounts?
- > How do I know we are choosing the right types of Azure resources?
- > Are we deploying the Azure resources in the right way to support long term usage and simplify the process?
- > We lack the people, process, and tools to manage, support, and maintain our current cloud environment.
- > Are we using the power of the Microsoft Azure platform and for intended purpose?
- > Our organization had to quickly move to the cloud and stay functional, but in the process, we may have put our organization at risk.

### Cloud Governance

Focusing on prevention rather than cure.

- **Azure cost Analysis:** Helps analyze spending and identifies cost-saving opportunities including:
  - Cost by resource type, service, subscription, trends and alerts.
- **Budget and Alerting:** Helps set spending limits and alerts for resources. Track spending against budgets and receive notifications.
- **Third party analysis tools:** In addition to built-in Azure cost analysis and management tools, many third-party tools are available providing additional features and functionalities to optimize spend:
  - *CloudHealth, CloudCheckr, Turbonomic and Apptio.*
- **Tagging:** A feature that allows the assignment of metadata resources. Tags are name-value pairs that provide additional information, such as the owner, cost center, environment, or project. With Azure tagging, you can organize resources, track their usage, and manage their access and cost. Including but not limited:
  - Cost management, Resource organization and Access control.
- **Naming conventions:** A set of guidelines for naming all resources in a consistent and meaningful way, helping to organize resources, avoid naming conflicts, and improve the readability and usability of the cloud environment. Some best practices include:
  - Lowercase letters, descriptive names, consistent naming patterns, abbreviate sparingly and keep names short and concise.
- **Azure policy:** Allows the creation, assignment, and management of policies that enforce or audit compliance standards and regulatory requirements. Governing resources, improving a security posture, and optimize costs by applying rules and restrictions. Some key features and benefits of policy and common scenarios:
  - Policy definition, assignment, compliance, enforcement and Integration with cloud services.
  - Enforcing resource naming conventions, tagging standards, resource location restrictions, encryption requirements, compliance with regulatory standards, security configurations and cost management policies.





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### Intended outcomes

What Long View offerings focus on.

- > Control and visibility over Microsoft Azure Resources.
- > Ensure compliance with polices and regulations.
- > Optimize the use of Azure resources to reduce costs.
- > Improve efficiency and effectiveness in the use of Microsoft Azure resources.
- > Provide transparency and accountability for cloud usage.
- > Identify opportunities for improvement and innovation.

### Cloud Optimization

Focusing on making it right.

- **Rightsizing:** Optimizing the resources in the environment to match the application workload demands:
  - Reduce unnecessary costs, improve performance, and optimize resource utilization. Leading to cost optimization, performance optimization, resource utilization and support for automation.
  - Applying best practices by monitoring workloads, review resource usage, using Azure Advisor and Azure Cost Management.
- **Azure Subscription Types:** Several subscription types are offered to meet the needs of different types of customers and use cases. Creating the right subscription types are crucial:
  - Free, Pay-As-You-Go, Enterprise Agreement, Visual Studio, Cloud Solution Provider and Microsoft Partner Network.
- **Azure regions:** A wide range of regions around the world to deploy applications and services closer reducing latency and improving performance. Here are some key factors to consider when selecting an Azure region.
- **Azure service modernization:** Modernize services to take advantage of the latest cloud-native technologies and practices.
- **Azure application modernization:** Modernization on Azure helps to improve performance, scalability, and agility. Several services and tools to help modernize applications, including:
  - Azure Kubernetes Service (AKS), Azure Functions, Azure App Service, Azure DevOps, Azure Migration Center and Azure Advisor.
- **Automated shutdown/turn on services:** Saves costs by avoiding unnecessary VM usage during off-hours, such as evenings, weekends, and holidays.

### Cloud Cost Savings

Focusing on discounts, promotions and maintaining.

- **Reserved instances:** Reserving 27 different services like compute capacity for a one or three-year term and receive a discount. Some considerations of using Azure Reserved Instances:
  - Benefits: Cost savings, Capacity assurance, flexibility and easy management.
  - Considerations: Upfront payment, some limited flexibility and change in usage patterns.
- **Azure Hybrid Use Benefits:** A licensing benefit that allows on-premises licenses for Windows Server or SQL Server to use those licenses on Azure.
- **Orphaned resources:** Orphaned resources that are no longer needed or used but are still running. Some steps can be taken to identify and manage orphaned resources in Azure:
- **Identify orphaned resources:** Azure provides several tools to help you identify orphaned resources, such as Azure Advisor, Azure Cost Management, and Azure Resource Graph. These tools can help you identify resources that are not being used or are underutilized, as well as resources that are not associated with any active deployments.
  - Review and categorize resources, decide on resource disposal, implement resource disposal and monitor and optimize.

Talk to us Today!  
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