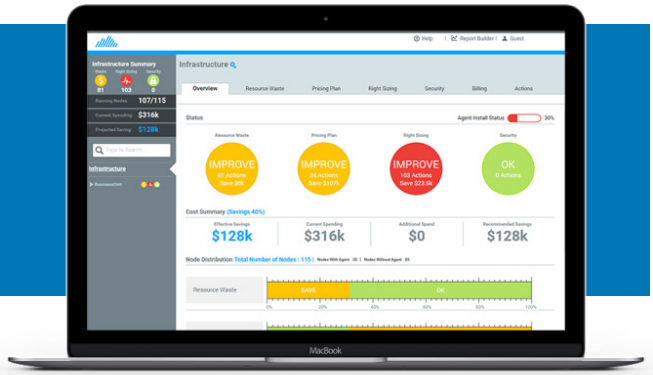
Cloudamize

Cloudamize Platform Overview

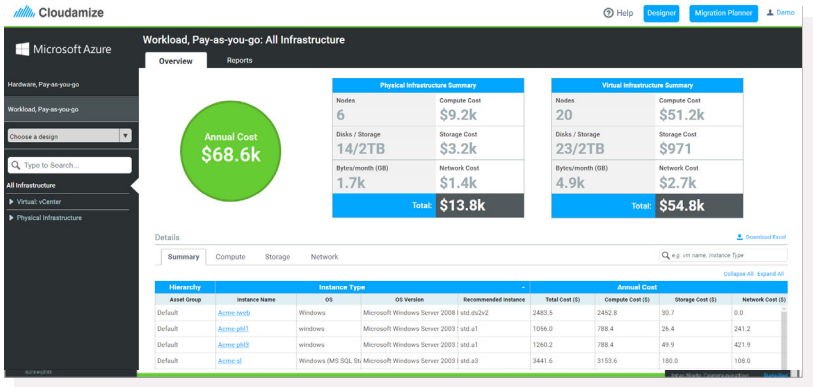


Features and Capabilities

Cloudamize is a cloud computing analytics platform that provides data analysis and recommendations to speed and simplify cloud assessment, migration, and cost management. Our platform identifies your best-fit cloud vendor; automates discovery and dependency mapping to design a precise migration plan; analyzes your performance and usage on an ongoing basis so your cloud is always right-sized; and provides clear visibility into cloud costs for better control. Armed with these insights, you can more quickly make accurate cloud decisions, ensure performance-cost optimization, and maximize the value of your cloud investments.

Assess

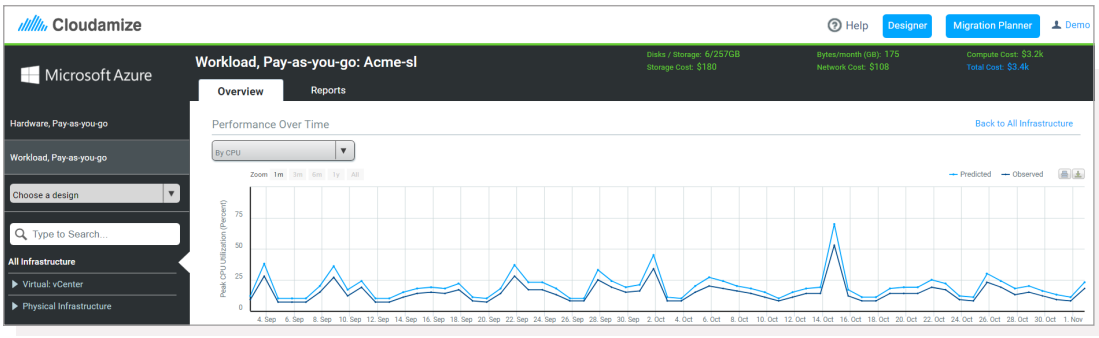
Assess calculates the TCO of moving to Azure based on a detailed infrastructure performance analysis, so you can accurately forecast cloud costs.



- **Cloud Solution Provider (CSP) Account Integration:** For CSPs reselling Azure, input your account information into Cloudamize, which will then automatically apply your pricing and currency to all cloud cost calculations.
- **Cloud Cost Calculator & Comparison:** Calculate the TCO of moving to Azure based on your current infrastructure performance profile, so you can make the business case for moving to the cloud.

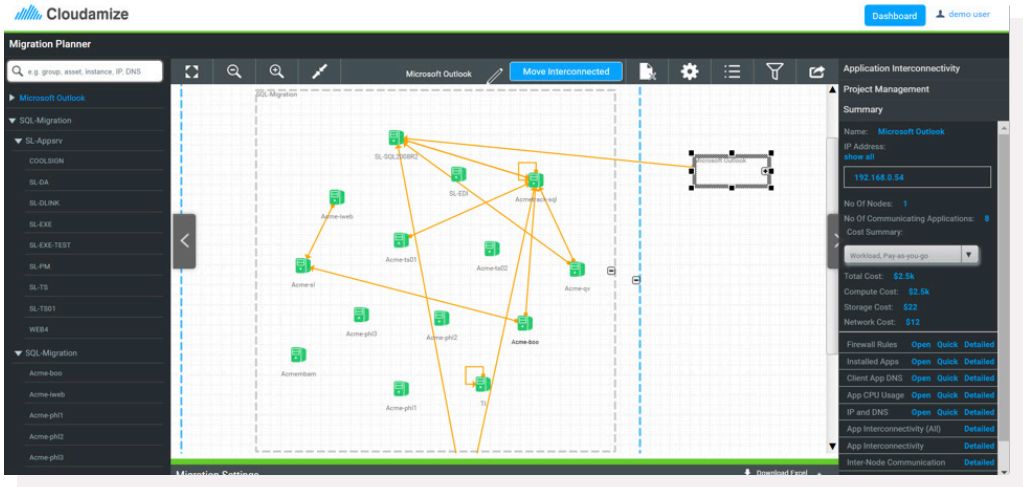
Assess Continued

- **Cloud Configuration Mapping:** Receive your recommended best-fit Azure cloud configuration – including your optimal virtual machines, storage options, network settings, and pricing plan –to accurately calculate your TCO based on your right-sized cloud.
- **Cost Breakdown:** Gain deep visibility into your cloud TCO. Break down projected costs by compute, storage, and network within both your physical and virtual infrastructure, and drill down to individual machines to understand costs at a micro level.
- **Performance Analysis:** Receive a detailed performance analysis on compute, storage, and network resources based on observed peak CPU utilization, allocated and peak RAM usage, storage capacity, occupancy, IOPS, and more. Drill down to the machine level to see granular data displayed graphically.
- **Performance Projection Analysis:** Receive a projected performance analysis on compute, storage, and network resources based on your current observed performance. View a graphic, which can be drilled down to the machine level, that shows your current performance vs. your performance with your recommended right-sized cloud configuration.
- **Hybrid Performance Benchmarking:** Understand the performance profile of your compute, storage, and network resources in your on-premise and private clouds, and compare that to their projected performance and cost in Azure to inform your hybrid cloud decision-making.
- **Pricing Plans:** Find additional cost savings by determining the ideal pricing packages based on your usage profile.
- **Planning and Forecasting:** Run “what if” scenarios by changing regions, pricing plans, discounting levels, instance types, instance families, and performance thresholds so that you can right-size your infrastructure based on your performance target.
- **Reports:** Download TCO reports based on various mapping options and export all graphs and charts as images and spreadsheets.



Plan

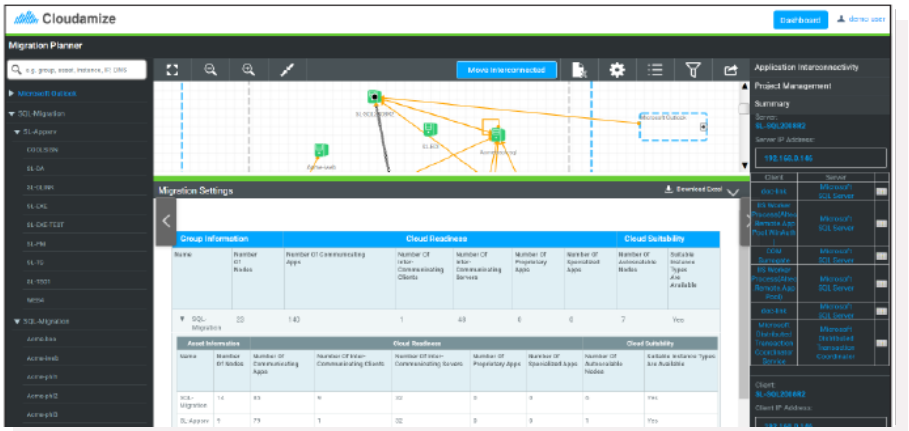
Plan provides a complete visual of your entire existing infrastructure. It automates the discovery of applications across physical, virtual, and cloud environments and assesses dependencies and cloud suitability for each, so you can prioritize applications for migration and efficiently build a successful roadmap to the cloud.



- **Automated Discovery:** Automatically identify all applications and machines within the environment, and choose which are to be considered with inventory settings.
- **Automated Dependency Mapping:** Map all compute, storage, and network dependencies across your on-premises and cloud environments, including 3-tier/n-tier dependencies, and zoom in on individual dependencies to view details on all processes, such as executable names, application names and descriptions, vendor information wikis, and more to ensure a seamless migration.
- **Cloud Complexity Analysis:** Determine an application's complexity based on its classification, dependencies, CPU usage, and platform portability to understand which applications you should prioritize for early migration vs. which should move in later phases.
- **Cloud Suitability Analysis:** Capture an application's cloud compatibility and efficiency gain based on its performance profile, usage patterns, and available cloud options to prioritize applications for migration and determine which should stay on-premises.
- **Application Classification:** Applications are automatically grouped together from over 200 pre-built application classes compiled over 10,000 applications, such as business intelligence, security, and IT Management, so you can quickly identify which applications to move and when using classifications that align to your organizational needs and structure.

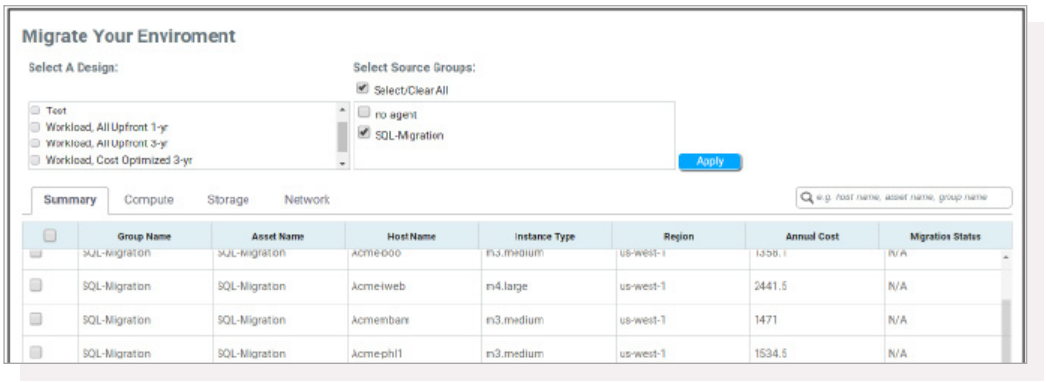
Plan Continued

- **Intelligent Move Groups:** Automatically group hundreds or even thousands of applications migrating to the cloud based on characteristics such as application or machine names, affinity mapping, dependencies, cloud cost, application class, cost, migration phase, or any other user-defined filter.
- **Migration Designer:** Manually group applications based on their dependencies, business uses, migration phases, tags, and more.
- **TCO to Migrate:** See how much a workload will cost in the cloud before you migrate it to ensure you only migrate those workloads that fit into your current migration budget.
- **Right-Sizing Planner:** Receive your recommended optimal virtual machines, storage options, and network settings to ensure cost-performance optimization at the moment your applications migrate to the cloud.
- **Move Group Planning:** Run "what if" scenarios for each move group by changing regions, pricing plans, discounting levels, instance types, instance families, and performance thresholds to decide migration priority of the move group.
- **Topology Viewer:** Graphically visualize your group applications and their dependencies.
- **Shadow IT:** Find potential "Shadow IT" by identifying dependencies going to IP addresses within your environment that are out of project scope.
- **Firewall Rules:** View firewall rules for /8, /16, and /32 IP address range based on your application communication and build your security policies in the cloud.
- **Export Data:** Download summary reports for all groups/applications, which detail IP addresses, dependencies, DNS, firewall rules, migration cost, and more.
- **Export Architecture Diagram:** Build your architecture diagram and export it into SVG format to edit for your final configuration.
- **Project Management:** Manage multiple large-scale migrations across different business units and global geographies simultaneously within a single portal.

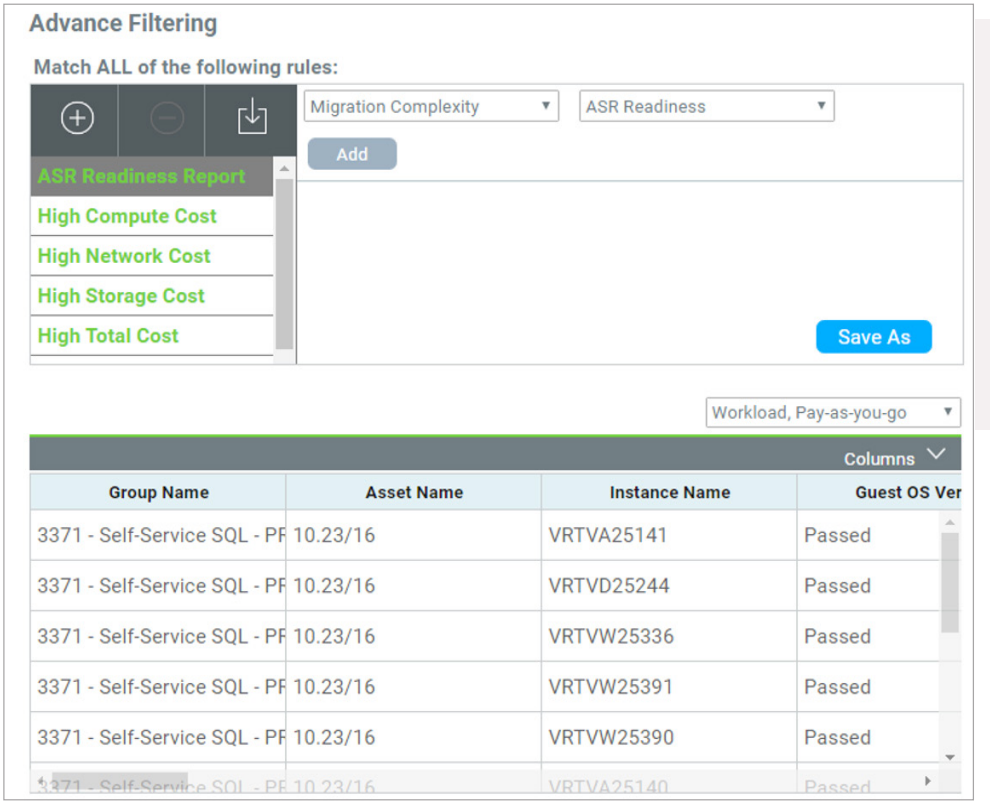


Migrate

Migrate integrates with current tools for cloud migration, so companies can move their workloads with speed and accuracy to their best-fit configuration in Azure.

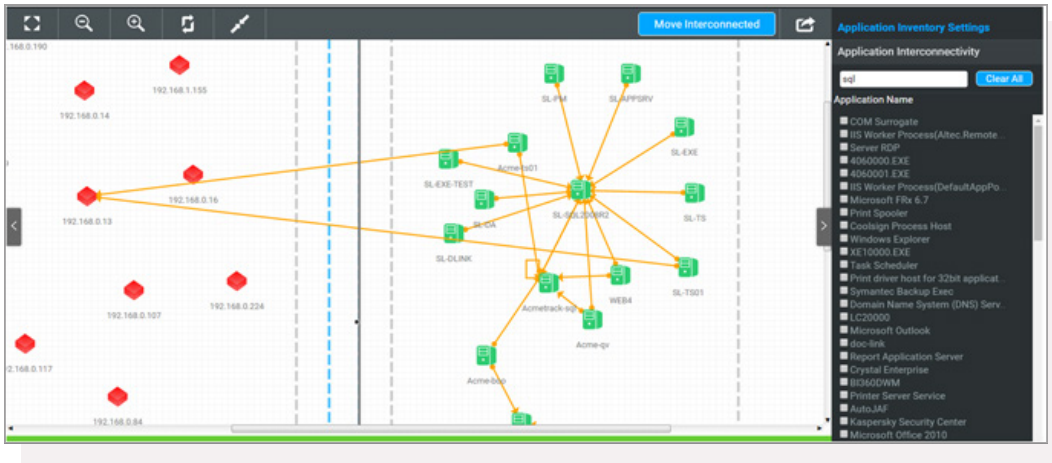


- **Migration Integration:** Cloudamize installs your migration tool to speed the process of moving workloads to the cloud.
- **Migration Plan Import:** Import the migration plan built in Cloudamize into existing migration tools and for each move group view its host name and its compute, network, and storage settings for the cloud.
- **Migration Status:** View the migration status of each machine moving to the cloud.



Validate

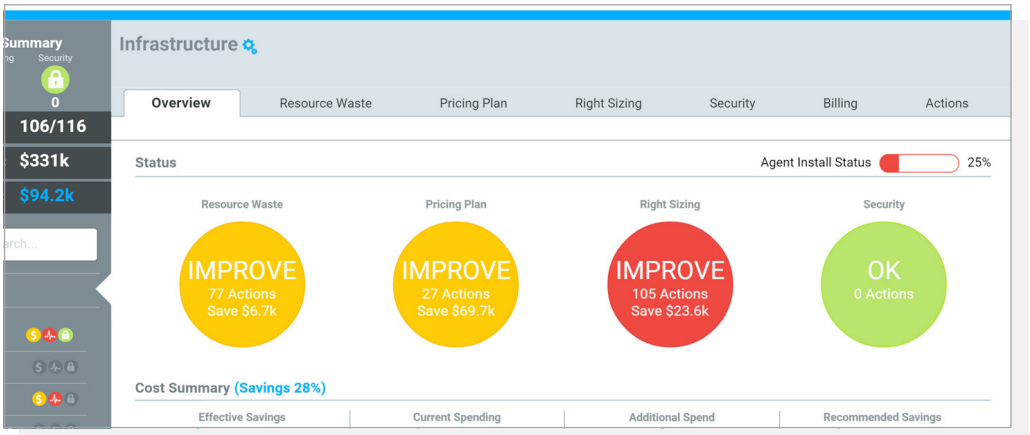
Validate ensures that application connections are operating in the cloud as they should be and recommends how to address any issues.



- **Hybrid Cloud Connectivity Tests:** Validate that your migrated applications are operating in the cloud as they were in their historical on-premises or private cloud environment.
- **Connectivity Gaps:** Immediately identify and rectify any gaps in application connectivity in the cloud, and run follow-up tests to ensure the connections are working as they should.
- **Actionable Insights:** Receive recommendations on how to fix any application connection issues.

Manage

Manage enables you to understand and optimize your cloud costs on an ongoing basis. It provides analysis of cloud bills for better clarity and control, along with recommendations on how to reduce costs through right-sizing and capacity planning.



Manage Continued

- **Right-Sizing Planner:** Right-size your compute, storage, and network settings based on system-level performance analysis, so you can quickly and accurately identify the cloud configuration that will meet your performance requirements at the lowest possible cost.
- **Right-Sizing Advisor:** Determine which machines are over-provisioned, under-provisioned, or optimally provisioned based on SLTs and performance thresholds.
- **Capacity Planner:** Leverage performance and usage pattern analysis to accurately plan current capacity and to project compute, storage, and network resources for future capacity needs.
- **Performance Analysis:** Receive a detailed performance analysis on compute, storage, and network resources based on observed peak CPU utilization, allocated and peak RAM usage, storage capacity, occupancy, IOPS, and more. Drill down to the machine level to see granular data displayed graphically.
- **Usage Analysis:** Understand behavioral usage patterns such as when machines are on/off, idle compute resources and unused storage volumes, and receive recommended actions for cost optimizations.
- **High-Level Cost Visibility:** Analyze costs at the infrastructure level by viewing data across different accounts, groups, and business units.
- **Account Management:** Manage multiple accounts under a master account. Understand cost, performance data, and recommendations at the master account level down through to individual instances, so you can easily diagnose where there are issues and opportunities for improvement.
- **Billing Analysis and Reports:** Filter billing data by business unit, group, geography, compute, storage, and more to quickly analyze how and where you are spending the most and to simplify bill payments. Download billing reports and email to appropriate owners.
- **Chargeback and Cost Allocation:** Build chargeback reports by business unit, cost tags, or application groups, and generate an invoice for the appropriate stakeholder.
- **Report Builder:** Configure custom reports and schedule automated delivery.