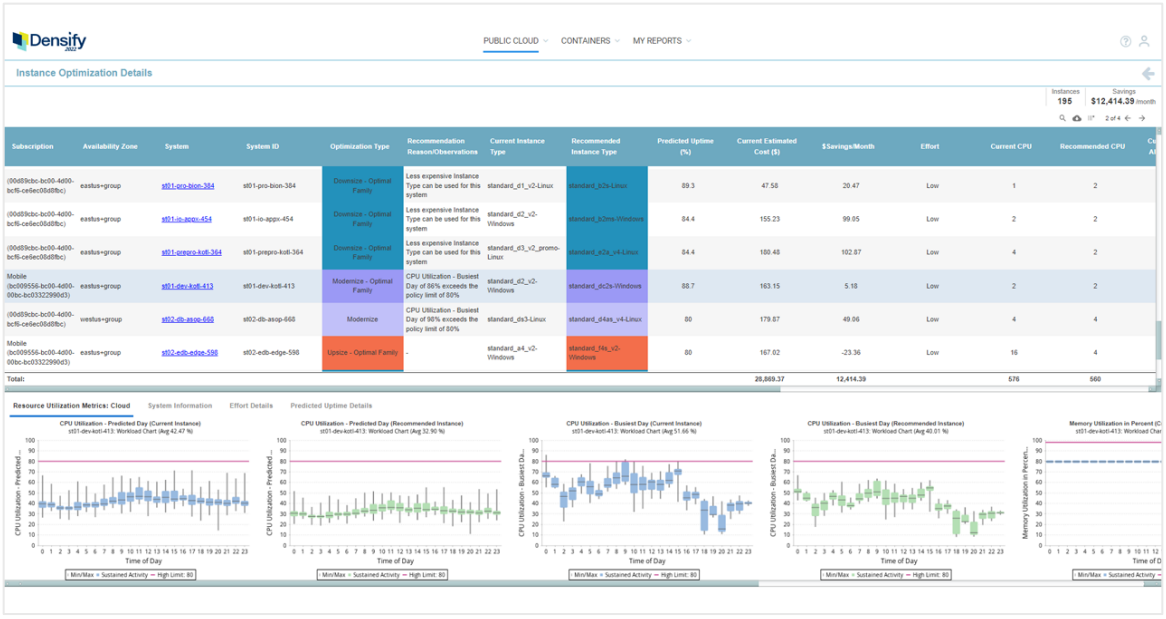
Cloud and Container Optimization for Microsoft Azure

Automatically determine the cloud and container resources required to reduce cost and maximize performance in Azure. Learn more.

Azure VM Optimization

Densify's machine learning analyzes workload patterns to determine the optimal size and family for your Azure Virtual Machines (VMs), enabling you to:

- Reduce application performance and stability issues associated with under allocating resources to your VMs
- Increase utilization and lower costs by ensuring that you are not overallocating capacity to your VMs
- Avoid leaving CPU, memory or other resources stranded by picking the wrong instance family



Optimization details for your Azure Virtual Machine (VM)

Azure AKS Optimization

Densify's analytics predictively, precisely and continuously determine the appropriate resource settings for your Azure Kubernetes Service (AKS) containers allowing you to:

- Avoid application performance and stability issues
- Visualize the overall resource health of your entire Kubernetes environment with Histograms
- Increase node and cluster utilization by avoiding allocating too much CPU and memory to your applications
- Ensure cluster resource and namespace quotas are constantly aligned with app team requirements
- Lower your cloud bill by deploying fewer nodes for the same containers

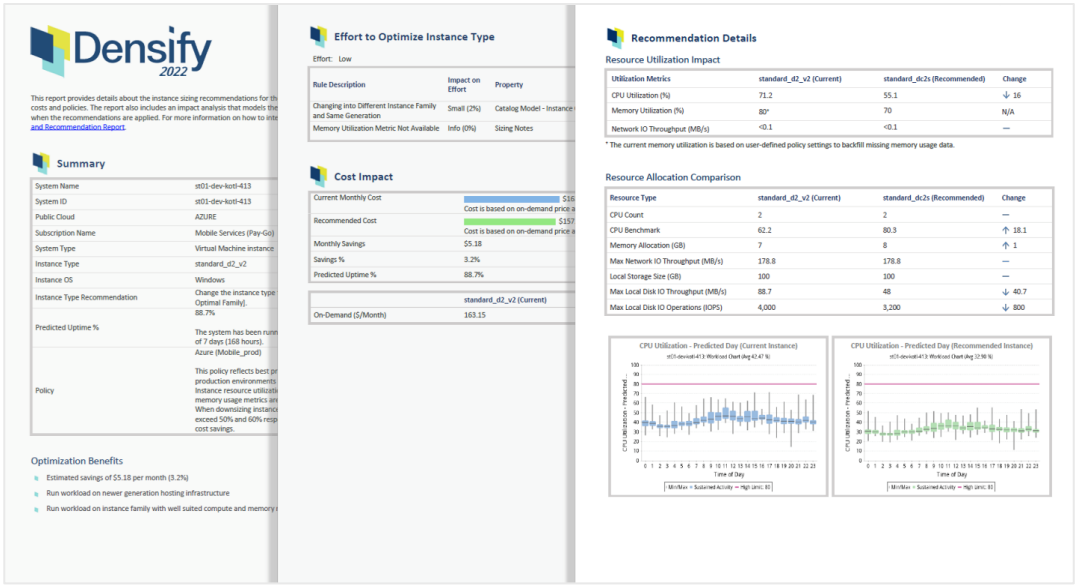
Densify automatically analyzes thousands of containers to determine optimal settings

Enable Collaboration with Product & Application Owners

Densify automatically produces Impact Analysis and Recommendation Reports to share with stakeholders, letting you:

- Clearly articulate details for every optimization recommendation, including predicted utilization, effort level, and cost impact

- Include as an attachment to ITSM change tickets or integrate into business collaboration and approval workflows using Densify's API

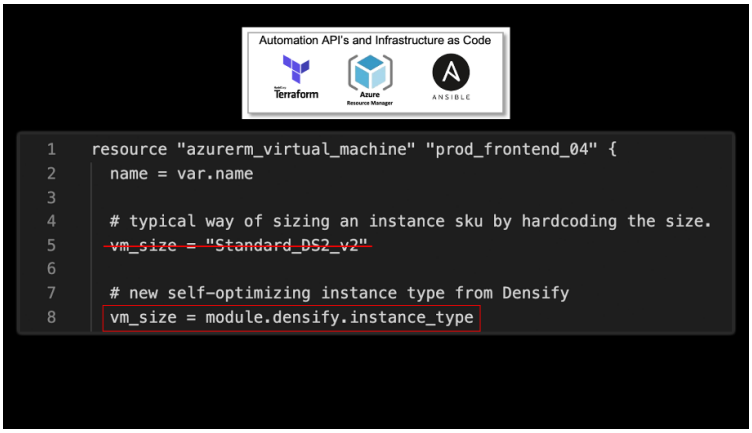


The Densify Impact Analysis Report for Azure communicates the projected impact of recommended changes to app owners to help with approvals

Integrate With CI/CD Pipelines & Automation Tools

- Free your teams from manually selecting resources
- Eliminate errors – use APIs to tie directly into infrastructure as code templates like Terraform or Azure Resource Manager
- Ensure Performance by continuously aligning resources with application requirements

Learn more about **Managing Container Infrastructure & Performance**.



Integration with Automation API's and IaC

Densify

Microsoft Azure

Why Continuous Cloud Optimization?

Learn how one of Densify's large Managed Service Provider (MSP) clients utilized a crawl-walk-run approach for implementing Azure VM optimizations. Read this article **The Path to Continuous Cloud Optimization**.