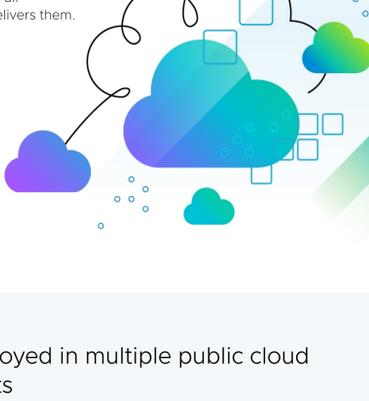


Multi-cloud load balancing 2022

Applications no longer simply support the business. Applications are the business. Organizations are using a growing number of applications across multiple environments. Their need for consistent and secure applications in all environments is outpacing the infrastructure that delivers them.

Pulse and VMware surveyed 200 senior infrastructure management professionals and decision-makers involved in developing or executing load balancing strategies for their organization to understand the challenges they face in a multi-cloud or hybrid cloud environment.

Data collection: Jan 2 - Jan 26, 2022
 Respondents: 200 load balancing decision-makers



Applications increasingly deployed in multiple public cloud and hybrid cloud environments

94% of respondents will deploy applications in multiple cloud infrastructure environments by the end of 2023.

What infrastructure environments are your applications deployed in today, or will you be using by the end of 2023?
 Please include production and development applications combined.



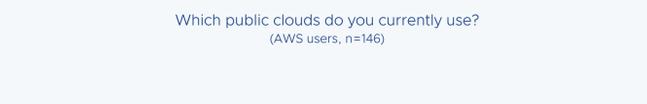
Multiple public cloud infrastructures (2 or more cloud providers)



Traditional on-premises data center infrastructure (include co-located and hosted)



Hybrid cloud infrastructures



On-premises private clouds (include co-located and hosted)



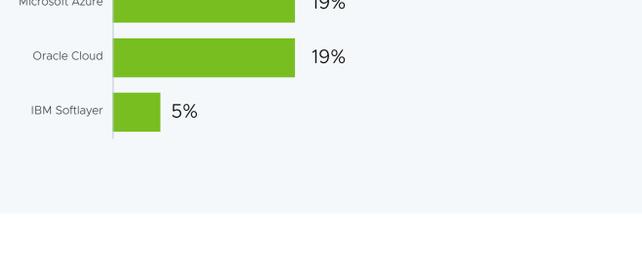
Only 7% of respondents indicate they are using a single public cloud. 64% of respondents use two public clouds, and 28% use three. Amazon AWS users accounted for 73% of total respondents. Of the respondents who are using Amazon AWS (n=146) 75% also use Microsoft Azure, and overall 55% of respondents are using both Azure & AWS.

Which public clouds do you currently use?
 (AWS users, n=146)



Unsurprisingly, only 50% of respondents plan to add additional public clouds they are not interested in adding additional complexity.

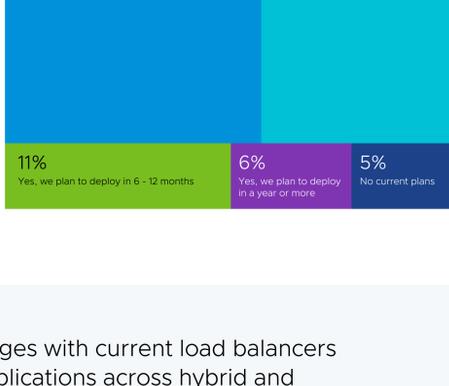
Which public clouds are you considering in addition to what you already use?



Use of container-based applications is going mainstream and hitting production workloads faster than anyone would have imagined.

90% of respondents are currently using container-based applications or plan to deploy them within the next year, and 46% are deploying container workloads in production. Additionally, 79% of respondents are currently deploying container-based or planning to deploy in the next 6 months.

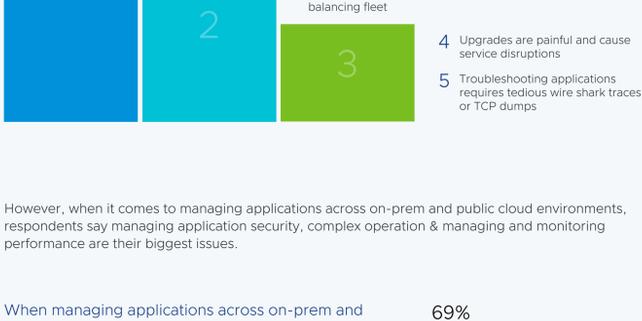
Do you plan to develop and deploy container-based applications?



Many face challenges with current load balancers and managing applications across hybrid and public cloud environments

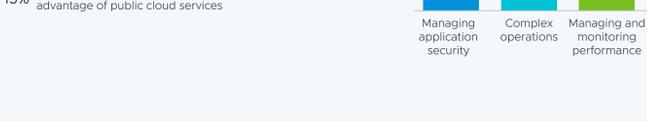
Respondents rank the inability to provide self-service, automation difficulties, and lack of central orchestration as their top three challenges with their current load balancers.

What are the top 3 operational challenges you face with your load balancers today?



However, when it comes to managing applications across on-prem and public cloud environments, respondents say managing application security, complex operation & managing and monitoring performance are their biggest issues.

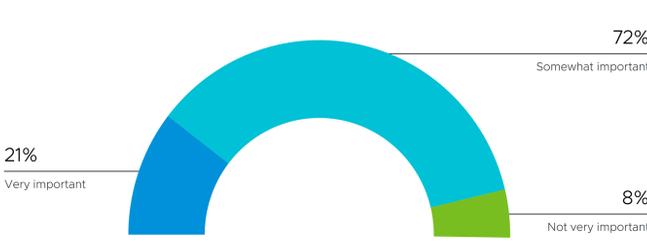
When managing applications across on-prem and public cloud environments, what are the biggest challenges your organization has experienced?



Organizations value consistent application delivery capabilities, particularly automation and central orchestration across clouds

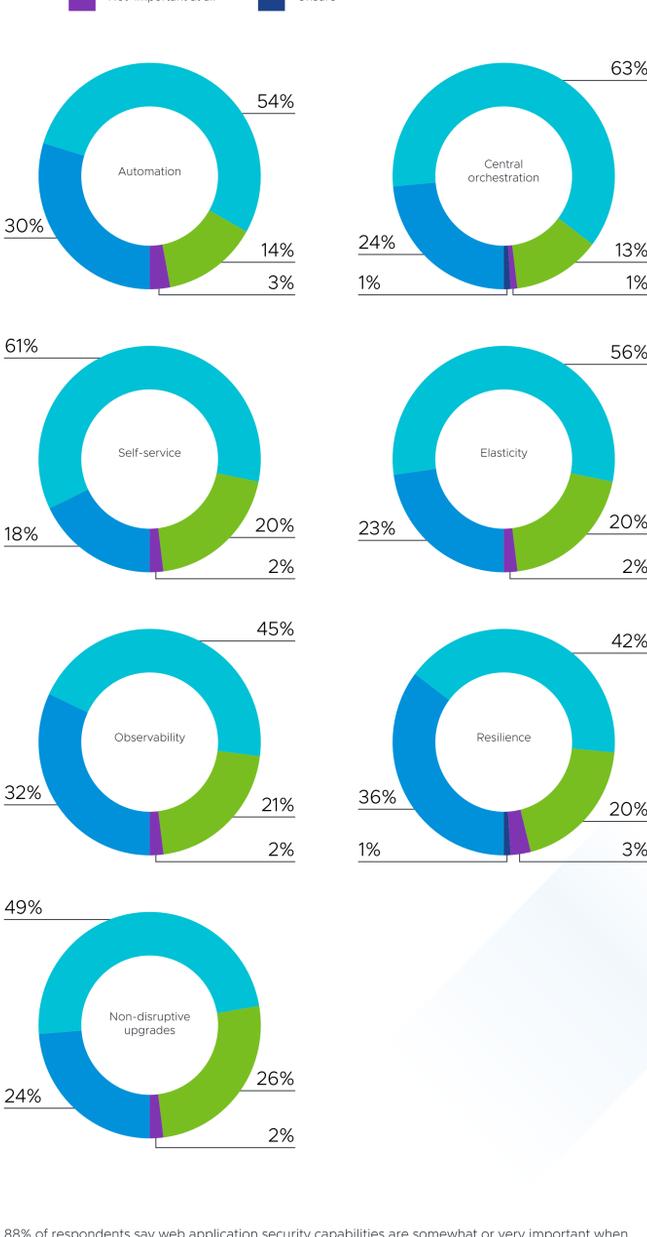
93% of respondents believe that it is very important or somewhat important that their organization has consistent application delivery capabilities across different cloud environments.

How important is it for your organization to have consistent application delivery capabilities across different cloud environments?



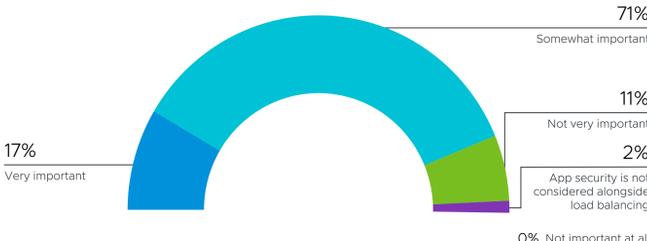
For their load balancing needs, 84% of respondents consider automating decisions somewhat or very important. Additionally, 87% of respondents consider central orchestration of their entire load balancing fleet across clouds somewhat or very important.

How important are the following application delivery capabilities for your multi-cloud load balancing needs?



88% of respondents say web application security capabilities are somewhat or very important when considering their load balancing needs.

How important are web application security capabilities (including WAF, rate limiting, URL filtering, L4/L7 ACLs, Bot mitigation) as you consider your load balancing needs?



Watch the State of Load Balancing 2022 webinar to get insights on these findings and hear some geeky technical predictions!

<https://info.avinetworks.com/webinars/2022-state-of-load-balancing>

Respondent Breakdown

Region



Title



Company Size

