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Key Infrastructure Trends and Decisions Facing Midmarket Organizations in Asia Pacific

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In This InfoBrief

This InfoBrief seeks to enlighten IT practitioners of Asia Pacific midmarket organizations on key trends impacting IT environments and the role of server operating system environments (S-OSEs):

- Which strategic IT initiatives are midmarket companies working on and / or planning for the next 18 months?
- What types of workloads do midmarket companies have deployed in production?
- What key IT infrastructure challenges are being faced because of these workloads and IT initiatives?
- How can new infrastructure technologies and infrastructure suppliers address these challenges?
- What are the key considerations during the S-OSE selection process?
- What common challenges do organizations face regarding S-OSE deployments?

This InfoBrief is based on a survey of **902 qualified IT decision makers** based in **Asia Pacific**. Survey respondents were screened to ensure they are familiar with their organization's IT and application strategies, and OSE selection. (See Appendix for details on methodology and survey demographics.)

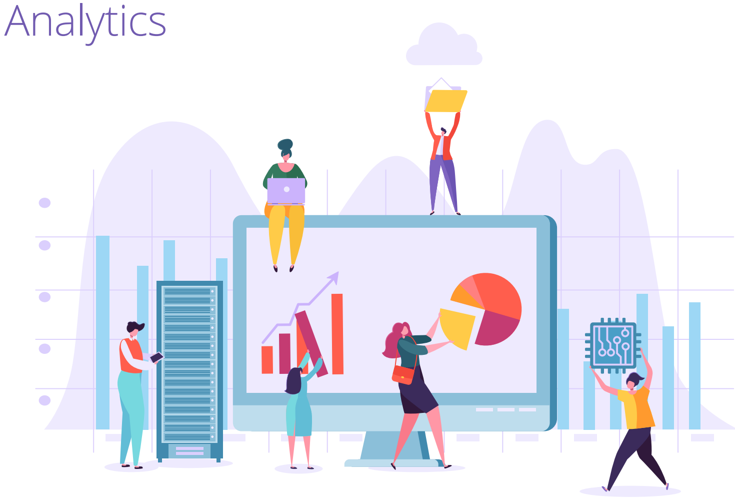
Executive Summary

Midmarket organizations are currently working on and planning a variety of strategic IT projects

At least **40%** of surveyed organizations reported having one or more of the following initiatives already in production or planned for production within 18 months:

- IoT
- Big Data and Analytics
- Implementation of hybrid cloud strategy
- Hardware Modernization
- Automation
- Public Cloud
- Private Cloud Strategy

Top strategic IT initiatives are also the **top projects driving IT spending** among surveyed organizations



Data management and **IT infrastructure** are the top workload areas to be deployed by surveyed organizations

Legacy IT environments are being modernized and transformed via the above-mentioned strategic IT projects

About **41%** of surveyed organizations reported **having hybrid cloud deployed** in production or planned for production in the next 12 – 18 months.

The most common use case for **hybrid cloud** is for **migrating workloads/application between clouds** based on in its optimal location.

About **50%** of surveyed organizations reported **having private cloud deployed** in production or planned for production in the next 12 – 18 months.

Only 15% of respondents with on-premises private cloud infrastructure are **not planning changes to the private cloud infrastructure** in the next 18 months.

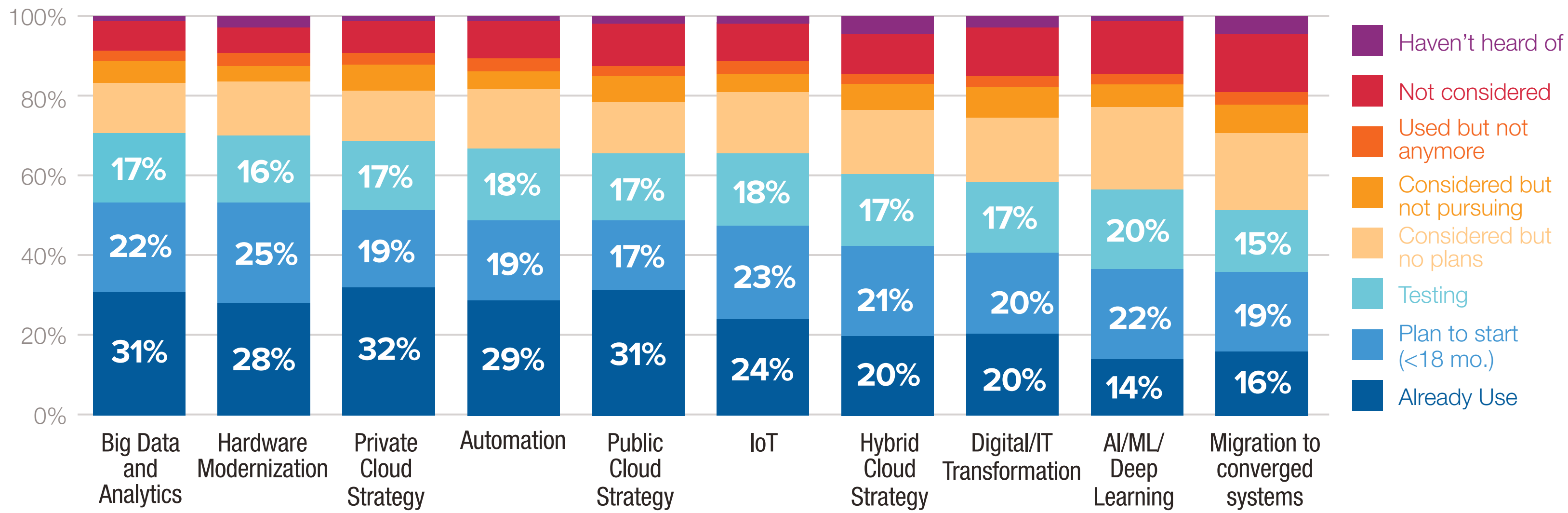
Over **60%** of surveyed midmarket organizations are either using, planning to **deploy or testing container infrastructure software**.

Improving security is the top reason for **container adoption** among surveyed organizations.

Key S-OSE selection criteria includes **IT staff experience, costs, and stability and reliability.**

The IT initiatives most likely to be in production or planned by surveyed midmarket organizations are **big data and analytics, hardware modernization,and private cloud strategy**

Which of the following best describes the status of the following initiatives in your organization?

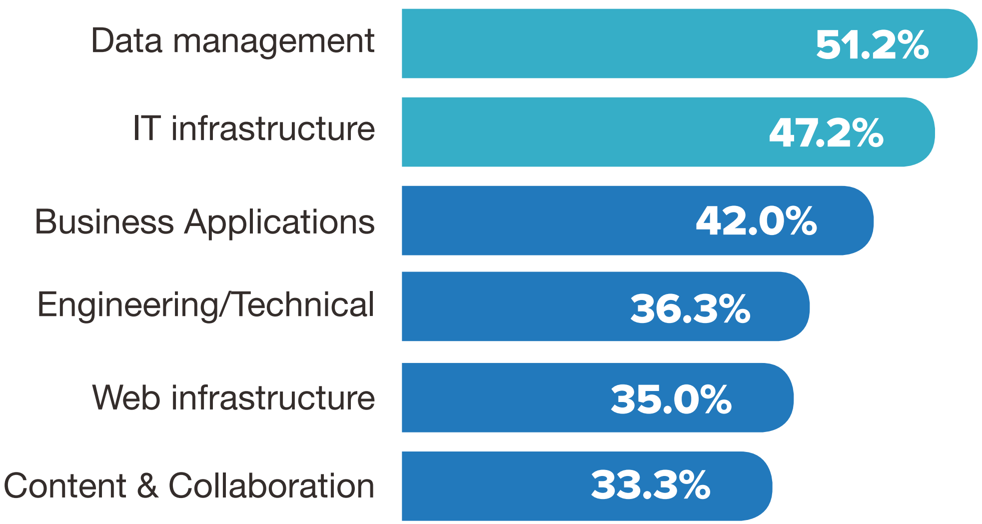


Source: RHEL Mid-market Opportunity Survey 2019, IDC, April, 2019 n=902

Top strategic IT initiatives such as **big data and analytics** and **hardware modernization** are also the key projects **driving spending** for midmarket organizations.

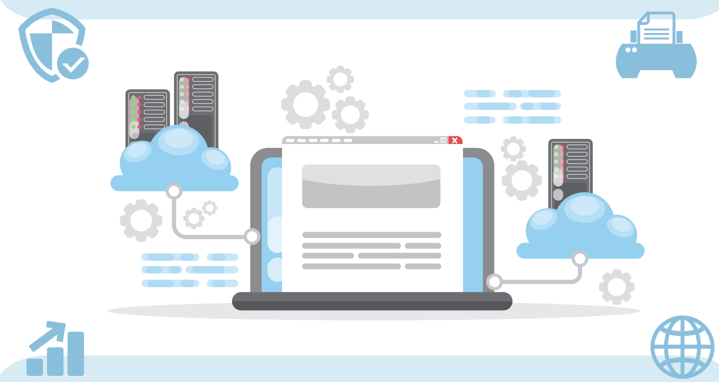
Data management and **IT infrastructure** are the top workload areas to be deployed by midmarket organizations in APJ

What type of workloads do you expect your organization will have deployed in production in the next 12 - 18 months?



Source: RHEL Mid-market Opportunity Survey 2019, IDC, April, 2019 n= 902

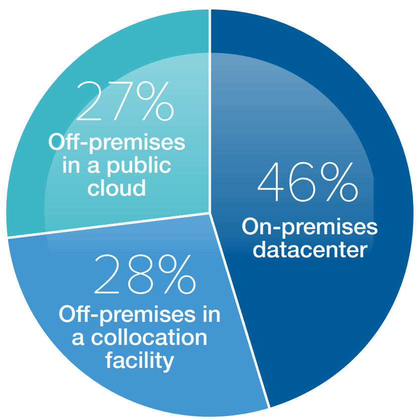
IT infrastructure workloads include areas such as file/print sharing, networking, security, systems management and VDI.



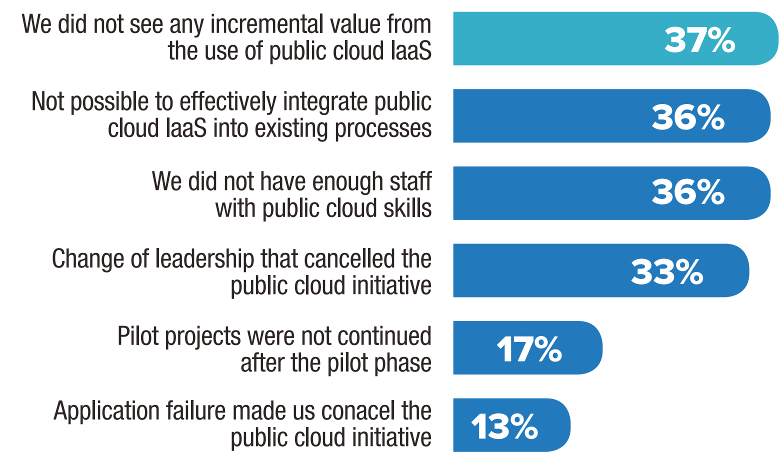
Data management includes structured data management, structured data analytics, and unstructured data analytics.

Public cloud accounts for less than a quarter of organizations' overall IT infrastructure footprints on average; Half of organizations that are not using public cloud IaaS simply do not see value from it

What is the breakdown of your organization's IT infrastructure from the following options?



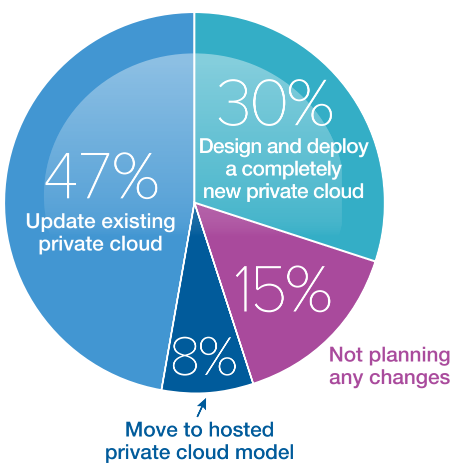
Please select the top two reasons your organization is **NOT using** public cloud IaaS?



Source: RHEL Mid-market Opportunity Survey 2019, IDC, April, 2019 n= 902

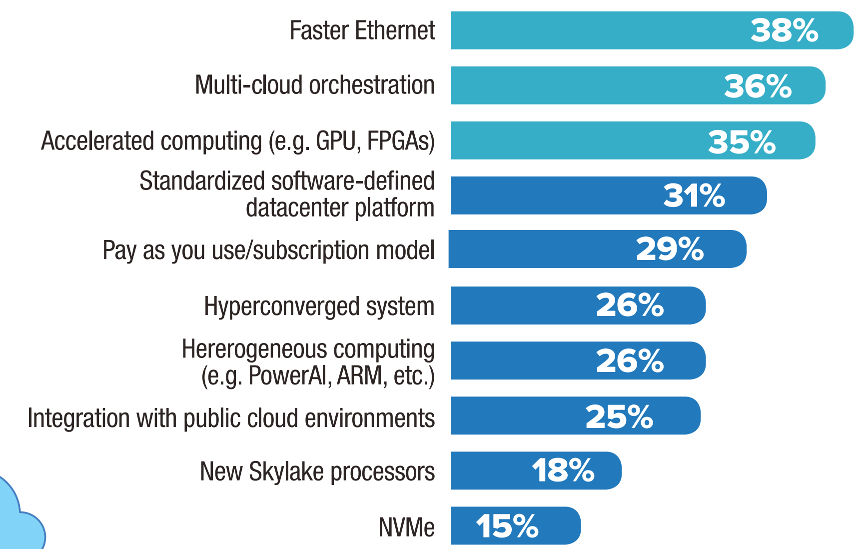
A clear majority of surveyed organizations have plans to update existing **on-premises private cloud** environments in the next 12 – 18 months

Does your organization plan to do any changes to its existing on-premises private cloud in the next 12 – 18 months?



Nearly one-third of respondents with existing or planned production private cloud deployments will design and deploy **a completely new private cloud**

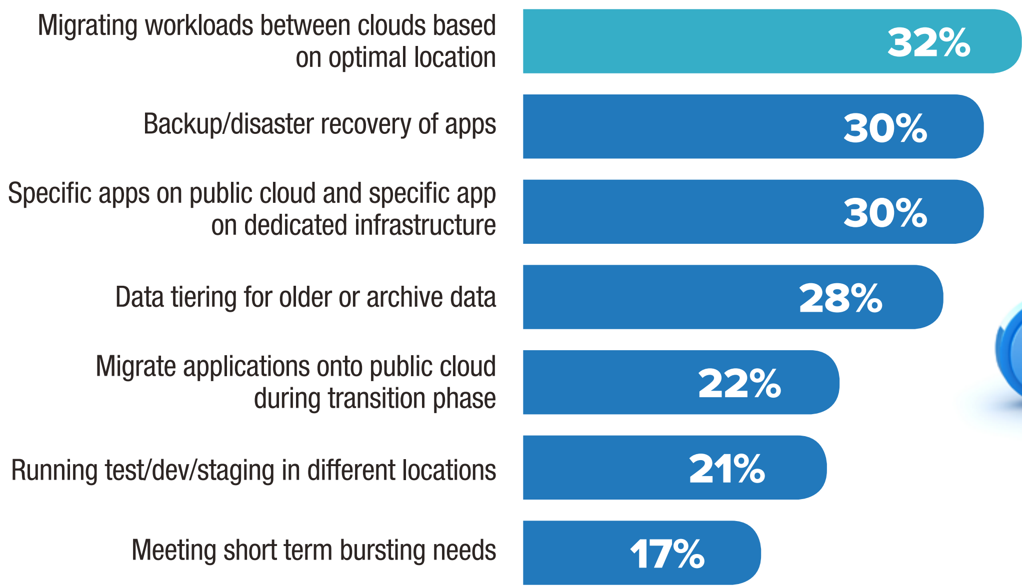
What capabilities does your organization plan to add to its existing or new on-premises private cloud implementation in the next 12 - 18 months?



Source: RHEL Mid-market Opportunity Survey 2019, IDC, April, 2019 n= 902

The most common use case for hybrid cloud is for **migrating workloads** between clouds based on optimal location

Which of the following best describes how your organization uses or plans to use hybrid cloud within the next 12 – 18 months?

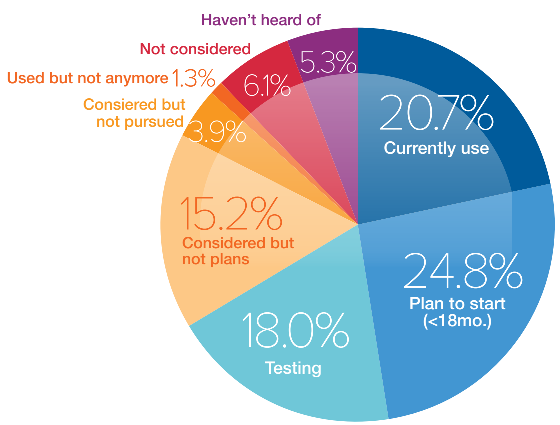


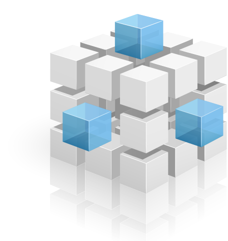
About **41%** of respondents based in **APJ** report having hybrid cloud deployed in production or planned for production in the next 12 – 18 months

Source: RHEL Mid-market Opportunity Survey 2019, IDC, April, 2019 n= 902

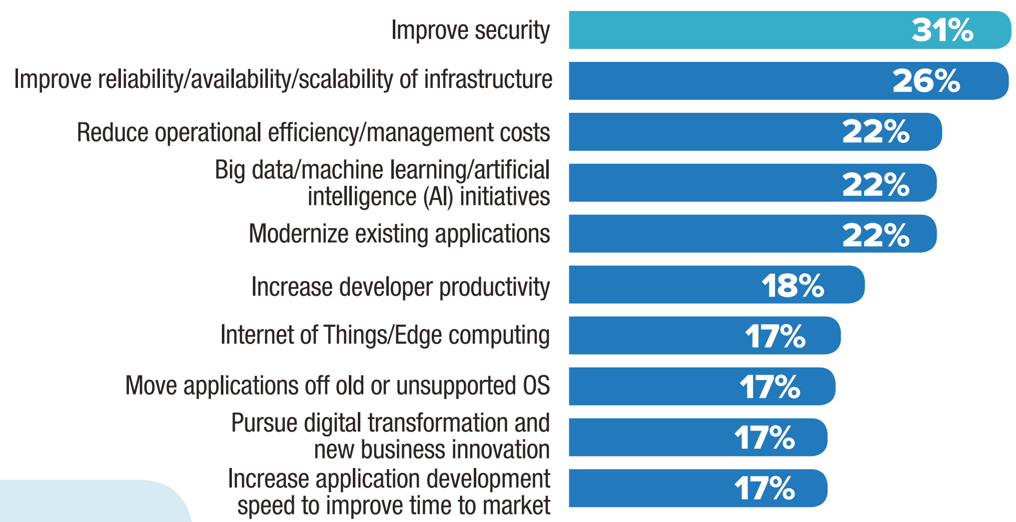
Over **60%** of surveyed organizations are either using, planning to deploy or testing **container infrastructure software**

Which of the following best describes the use of container infrastructure software at your organization?





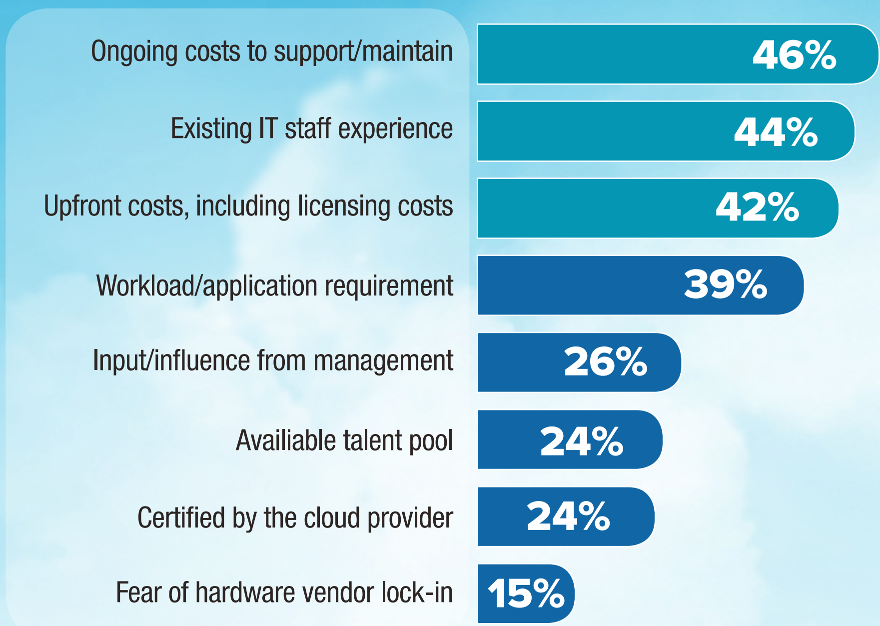
What were the primary drivers that caused your organization to deploy containers?



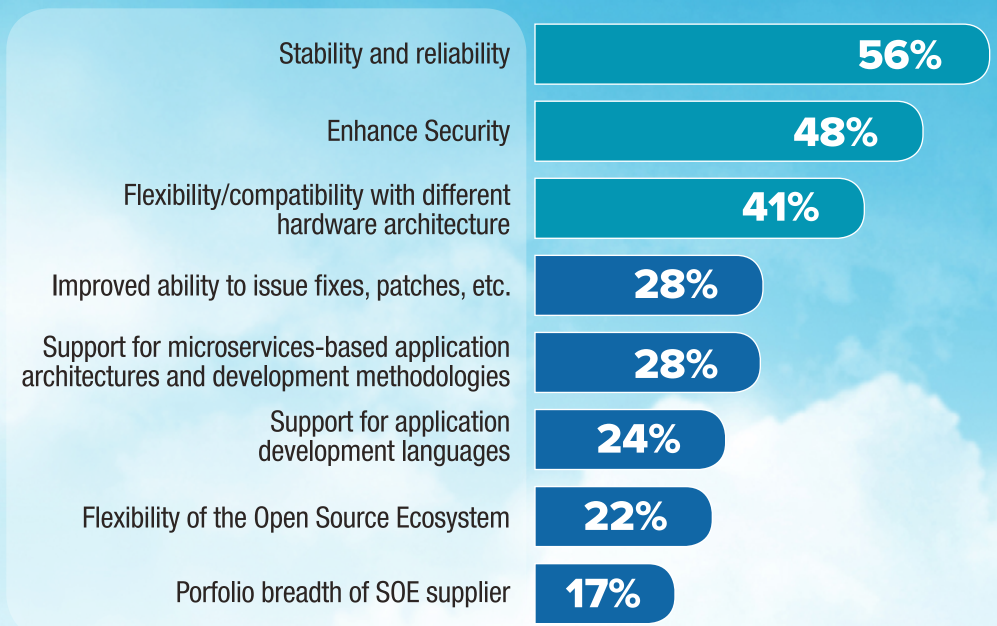
Improving secirity
is the most common driver to deploy containers.

Top Business and Technological Considerations for Selecting OSEs

Top **Business Considerations** for Selecting OSEs:



Top **Technological Considerations** for Selecting OSEs:



Source: RHEL Mid-market Opportunity Survey 2019, IDC, April, 2019 n=902

Top Challenges and Concerns of S-OSE deployments

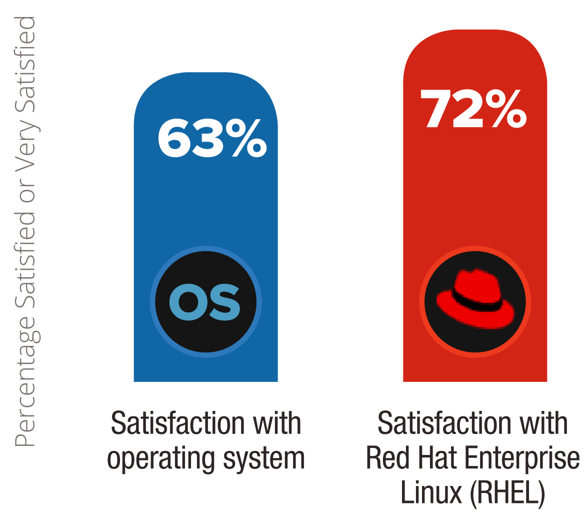
Security is the most common concern facing surveyed midmarket organizations regarding OSE deployments — **48%** of respondents

Compatibility issues was the second most common concern — **41%** of respondents

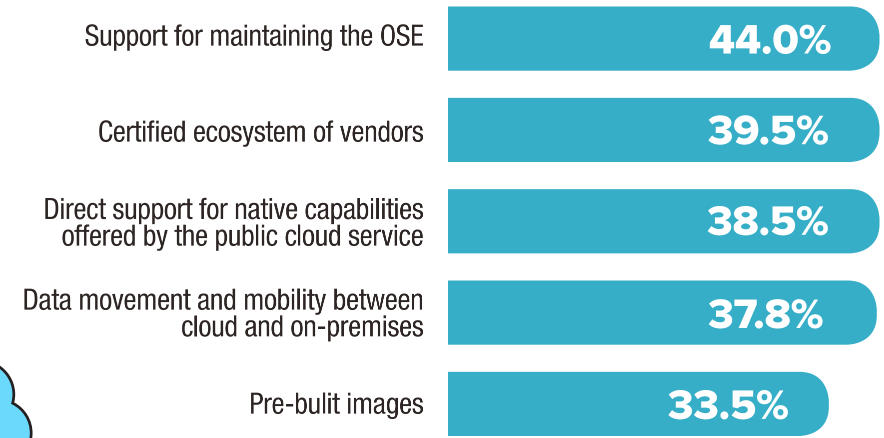
70% reported concerns around **budget limitations/upfront cost** requirements and development costs associated with conversion

Satisfaction with Current Operating Systems and Key Roles of OSE Suppliers

How would you rate your organization's overall satisfaction with the operating systems it uses / Red Hat Enterprise Linux (RHEL)?



What role do OSE suppliers have in terms of the selection criteria for the OSE?



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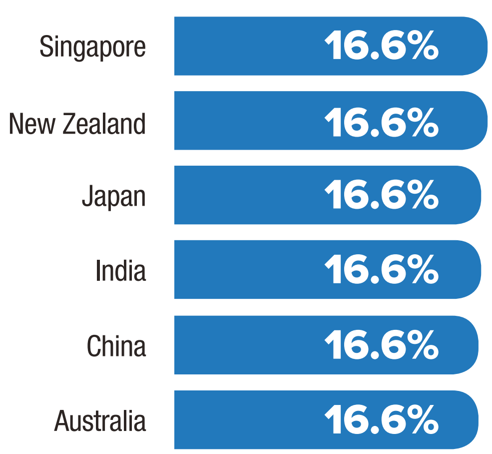
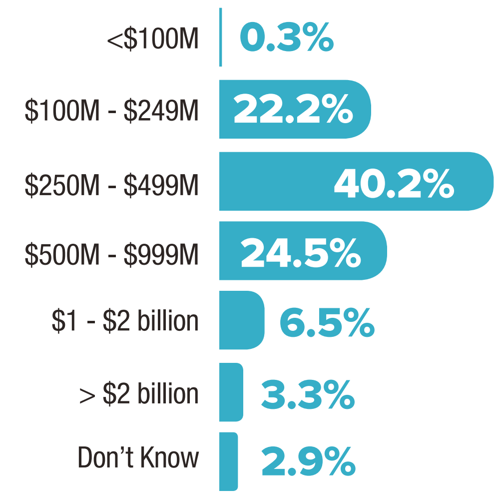
Appendix

Respondent Geo



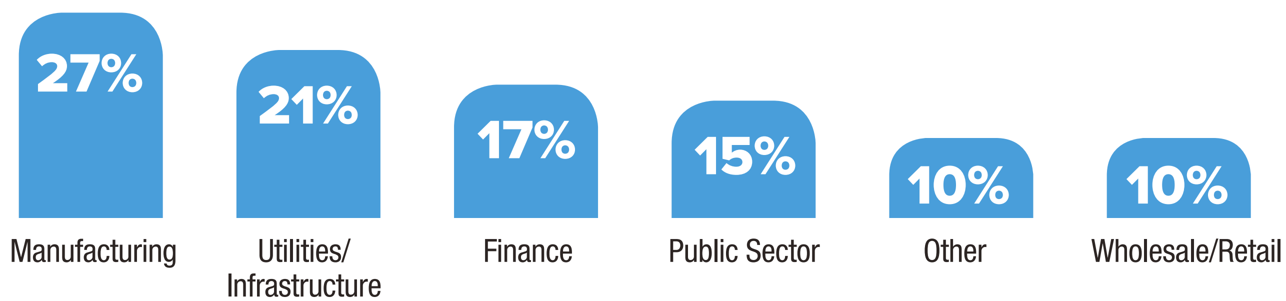
Organization's Revenue



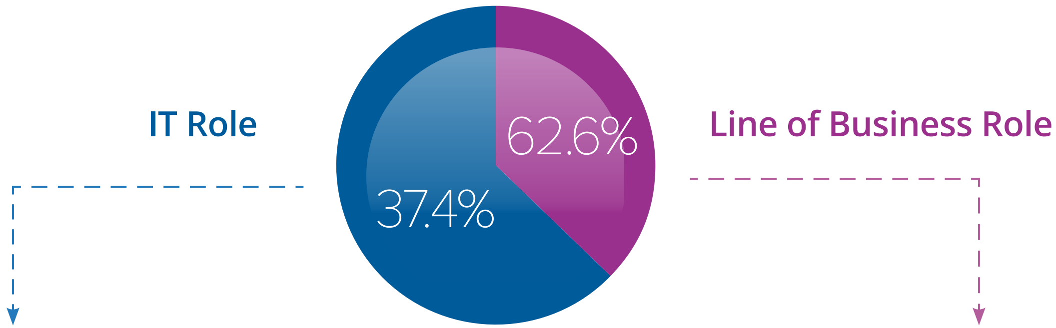
Total sample is **902** qualified IT decision makers.

Data gathering exclusively focused on mid market organizations **(1,000 – 4,999 employees)**, with broad coverage of business sectors and geographies.

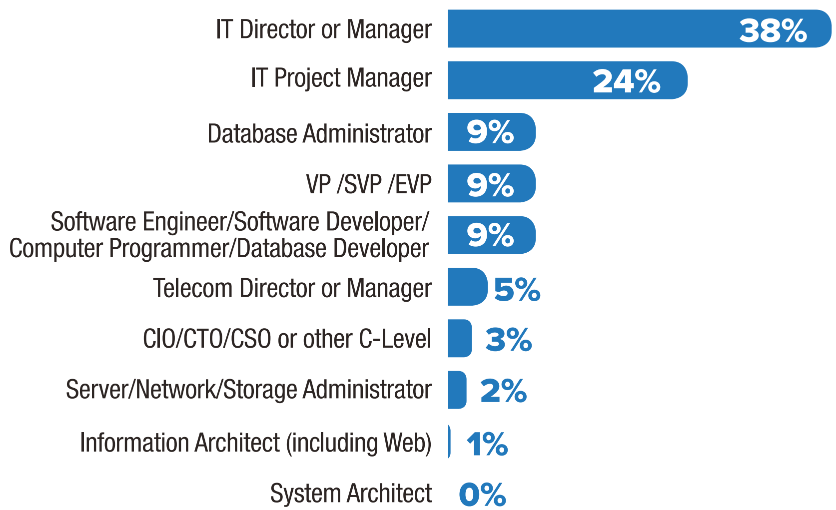
Business Sector



Appendix



Type of IT Role



Type of LOB Role