

HOW DO YOU KNOW WHERE YOUR DATA AND WORKLOADS GO IN HYBRID CLOUD?

Hybrid cloud presents tremendous opportunity to drive faster value from data and analytics at lower cost and with greater flexibility. Answer these questions to find out how to best leverage your data center and cloud resources.

1

What is your organization's cloud strategy?

- All public cloud
- Staying on-premises
- A mix of the two

Leveraging the hybrid cloud data architecture, organizations save significantly in storage and compute resource costs. Here are additional benefits:

- Improved control** and the same skill-set across environments
- Increased security and governance** through a unified data experience
- More complex** multi-stage and multi-tenant use cases and pipelines
- Future-proofed** data analytics due to open source architecture

BE WARY OF:

- Data Gravity
- Leveraging Cloud as IaaS
- Data Lock-in

2

Do you know which workloads should go on-premises or to public cloud?

- no
- yes

A hybrid cloud leverages the scalability and convenience of the public cloud to reduce the burden on on-premises systems. In general, you can:

- Keep** apps and sensitive data that require flexibility and control on private clouds
- Accelerate** development with cloud sandboxes, let production run on-premises

Here are more recommendations for what to move to the public cloud:²

- Mobility**, ML and other workloads that spur innovation
- Collaboration**, remote work, and content management services
- Scalable** elastic, seasonal, intermittent, and batch
- Disaster** recovery and business continuity applications
- Extensively** tuned and tweaked customized workloads
- Highly** sensitive or regulated datasets
- Persistent** workloads with high utilization

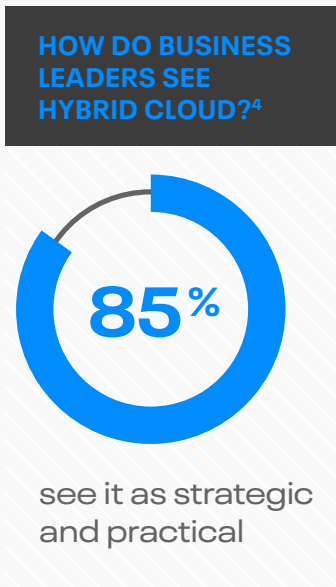
Here are more recommendations for what to keep on-premises:

Have you considered how data and workloads may move in hybrid cloud?

- yes
- no

Continuous optimization requires workloads' evaluation and planning. Pick the right infrastructure for your data and analytics and set up for changes in the future.

- Identify the workloads** and their associated data and metadata
Workloads are often deployed for a tenant, line of business, or business function
- Identify each major tenant and inventory** their workloads
Understand the data required to run that tenant's workloads
Understand the services required to run the tenant's workloads
- Tenants with self-contained data** and workloads are easier to move between clouds
Workloads with multi-service or cross-tenant data requirements require more coordination



4

Have you checked the compliance and security requirements?

- yes
- no

If you are moving any sensitive data between clouds, make sure you are complying with all the relevant policies, regulations, and guidelines. Potential risks to keep in mind:³

- IT and operational costs
- Fines, audits and other enforcement
- Lost business opportunities
- Reputation and brand damage



5

Do you know if you have the right team in place?

- no
- yes

A successful hybrid cloud transformation starts with a team with the necessary know-how, skills, and resources. Cloud computing is one of the most in-demand IT skills of 2021 and people will need to find these professionals:

- Cloud engineer
- Systems architect
- Cloud DevOps
- Data Architect
- Supplement with Cloudera Professional Services and Training

THE BIGGEST CHALLENGE FOR CLOUD ADOPTION AND OPTIMIZATION GOALS?⁶



Congratulations.

You're on your way to unlocking hybrid cloud value!

Contact the **experts at Cloudera** for help to choose optimal placement for both existing and new workloads, recommend upgrade paths, launch your workloads, and train your team.

CLUDERA

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¹ Cloudera How to Eliminate the Pitfalls
<https://blog.cloudera.com/eliminate-the-pitfalls-on-your-path-to-public-cloud/>
² Gartner
<https://www.gartner.com/smarterwithgartner/7-workloads-that-should-be-moved-to-cloud-right-now/>
³ Cloudera Privacy by Design Whitepaper
<https://www.cloudera.com/content/dam/www/marketing/resources/whitepapers/data-privacy-as-a-core-business-process.pdf.landing.html>
⁴ 451 Research, Voice of the Enterprise: Data & Analytics, Data Platforms - Advisory Report, May 2020
⁵ IDC
<https://www.idc.com/getdoc.jsp?containerId=US45938320>
⁶ Gartner
<https://www.gartner.com/en/documents/3989807/the-cloud-infrastructure-and-platform-services-skills-i->

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