IBM Cloud Satellite Infrastructure Service

Experience on-premises IBM Cloud as a service

83% of enterprises say that they could be doing better when it comes to infrastructure management, and 31% feel that they could be much more effective than they are.[1]

While organizations crave the flexibility to move workloads based on their unique needs, having various cloud environments, management interfaces and tools makes shifting workloads difficult. Instead of focusing on innovation and streamlining the connections between these environments, IT teams are focused on managing the complexities of their day-to-day IT infrastructure operations.

To increase their flexibility, organizations are turning to the local-cloud-as-a-service (LCaaS) platform. LCaaS is a service cloud option where a private or dedicated provider enables an organization to consume infrastructure as a resource rather than individual products.[2] Ultimately, this platform helps enable a closer alignment of IT investments and business operations, reducing the complexity of environments along the way.[2]

LCaaS workloads provide the benefits of a public cloud in a dedicated, on-premises environment, and serve as a foundation for the hybrid cloud model. This model is not only an effective and consistent way to move and manage workloads and applications—without sacrificing security and compliance—it creates new efficiencies and productivity gains for organization.

To further build on the hybrid cloud model, IBM Cloud Satellite™ helps deliver a public cloud consumption experience that includes all the benefits of DevOps, AI, the Red Hat® OpenShift® Platform and more. Delivered on premises, at the edge and in essentially any cloud across your entire organization, this solution helps simplify IT management and strengthen maintenance and governance of your entire IT estate with a single management and operations experience for all cloud environments.

IBM Cloud Satellite Infrastructure Service is a single operations and IT management hybrid cloud experience for applications running on IBM Cloud® across platforms. By delivering a single source of truth across your end-to-end hybrid cloud infrastructure, this solution helps deliver an on-premises, dedicated cloud infrastructure as a service (IaaS) that's designed to deliver consistent and scalable results.

"Adoption of LCaaS [local cloud as as service] solutions in core data centers and a growing range of edge locations will play a critical role in boosting business velocity, enabling dynamic business scaling and ensuring greater business operational flexibility."

— Richard Villars, IDC Vice President of Datacenter and Cloud[1]

Help boost business value across your enterprise with IBM Cloud Satellite Infrastructure Service. With this solution, your team can:

1.

Take advantage of cloud services and benefits virtually anywhere in the organization, which includes a dedicated cloud on premises or an IBM data center, if preferred.

2.

Deliver security-rich cloud services with a pay-per-use operating expense model using a single operations and management experience maintained by a global services leader.

3.

Focus on applications, not operations by delegating infrastructure management to a services provider with an agreement designed to eliminate long-term commitments and cancellation penalties.

4.

Gain the flexibility to place and shift workloads based on your needs through simplified workload deployment, selective data placement and low-latency access to on-premises systems, local data processing or local data storage.

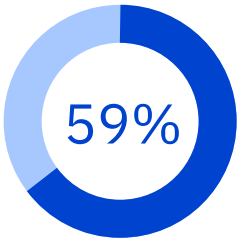
Our approach

As part of an on-premises infrastructure, fully owned and managed by our team, IBM Cloud Satellite Infrastructure Service helps deliver all the capabilities of the IBM Cloud Satellite solution in a cloud infrastructure consumption model—while still residing in your own data center. Since you can order IBM Cloud Satellite Infrastructure Services directly from the IBM Cloud® catalog, you'll be able to consolidate expenses into a single monthly bill based on consumption during that time period. Our approach is designed to deliver:

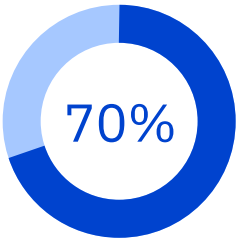
Cloud workloads cloud managed
- Single IBM Cloud management interface, from public to private cloud
- IBM Cloud services, such as OpenShift, run directly on client premises and in client facilities

On-premises, dedicated cloud IaaS
- Monthly operating expense consumption, flexible sizing and no long-term infrastructure commitments
- Complete storage, compute and network IaaS on client premises, ideal for low latency workloads

Comprehensive, security-rich management by IBM
- IaaS behind your firewalls for regulatory, privacy, residency and security restrictions
- IBM owned and managed IaaS through the entire data center lifecycle



59% of respondents attributed more efficient operation as a benefit to a single consolidated view of IT infrastructure.[1]



Over 70% of respondents indicated that their IT infrastructure was ready to meet less than half of their needs.[1]

Use cases

01

A standardized and simplified environment across clouds

Problem: A multinational bank for home mortgages has demands for new features that require the agility and speed of a public cloud, but needs to continue to satisfy regulations, policies and latency issues that require back-end systems to be on premises.

Solution: IBM Cloud Satellite Infrastructure Service helped standardize the client's on-demand services for Kubernetes, data, security and AI, distributing them across public clouds and a fully managed on-premises environment. This approach resulted in consistent tooling, financial service controls and observability across environments. Cloud-native tools are now also available locally.

Business benefit: With IBM Cloud Satellite Infrastructure Service, decisions about deployment location can be made at the time of deployment and not while building a solution. The offering also allows the client to build apps in weeks—not months—and make updates rapidly.

02

Faster deployments without an increased capital expense

Problem: A multinational financial services company is looking to expand into a new market, but local data residency laws require data to be stored and processed locally. The company wants to achieve this goal without investing tens of millions of dollars in capital expenses and talent to manage the data center.

Solution: IBM Cloud Satellite Infrastructure Service allowed the company to deploy and run the payment application on a host, fully managed by IBM. Since it's an as-a-service solution, the client can manage the application centrally and use a consistent set of security and compliance controls.

Business benefit: With IBM Cloud Satellite Infrastructure Service, the financial services company can deploy bank apps on the IBM Cloud Satellite solution in hours and comply with data residency laws.

“At IBM, we’re helping our clients across the board embrace a hybrid multicloud strategy and really transform their business.”

— Kevin Powell, Director of Managed Infrastructure as a Service Offerings at IBM

Why IBM?

With IBM Cloud Satellite Infrastructure Service, clients get a fully managed cloud infrastructure across the enterprise, whether it’s on premises or in the cloud. You can have cloud services essentially everywhere with one experience for the entire infrastructure—managed for you by IBM, a global service leader.

Learn more →

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1 Worldwide Local Cloud as a Service Forecast, 2019–2023, IDC, November 2019.

2 Delivering Greater Value to Your Business by Reducing Management Complexity, 451 Research a part of S & P Intelligence, November 2020.

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