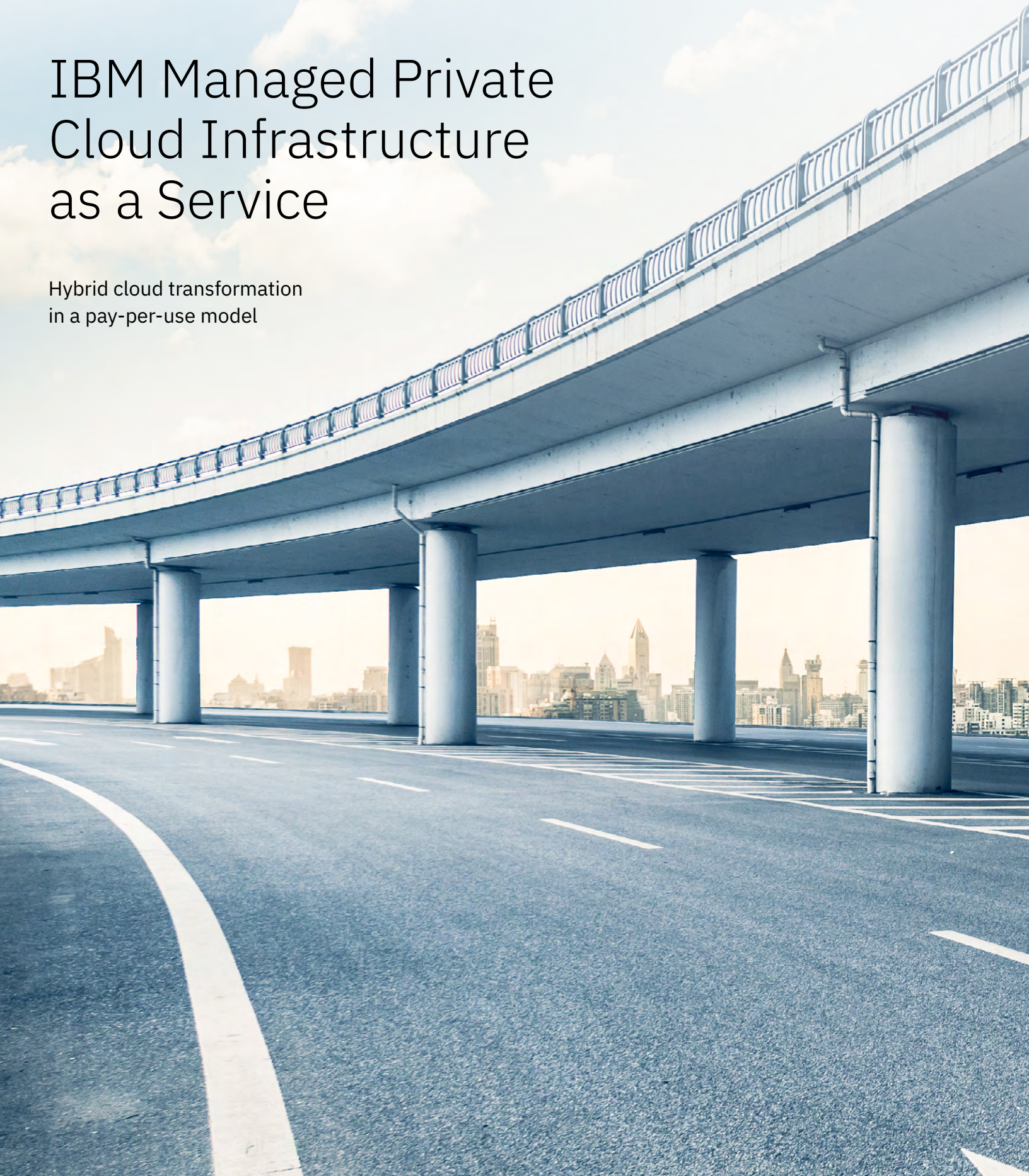




# IBM Managed Private Cloud Infrastructure as a Service

Hybrid cloud transformation  
in a pay-per-use model





Complex enterprise IT infrastructures require the safety, speed and compliance of an on-premises solution with the efficiency, simplicity and value of the cloud.

The momentum for companies moving their critical business applications to the cloud remains steady and strong. However, many companies run workloads that simply can't move to a public cloud, or don't fit into the public cloud model. Reasons for these limitations can include data transfer latency issues, security and compliance risks, or management and maintenance roadblocks. To better address this market need, the demand has grown for public cloud stacks available on dedicated, on-premises infrastructures.

### **Gain the benefits of public cloud with on-premises IT deployment**

IBM Managed Private Cloud Infrastructure as a Service (PCIaaS) provides a dedicated, private managed cloud infrastructure managed by IBM®. This helps deliver a consistent, scalable, OpEx-based, as-a-service capability. You get all benefits of a public cloud while still adhering to GDPR, data residency restrictions and security requirements. And, when deployed with IBM Cloud Satellite™, PCIaaS enables you to run your on-premises workloads with your public cloud workloads from a single pane of glass.

### **What IBM Managed PCIaaS can do for your business**

- Accelerate cloud transformation with a private cloud infrastructure for workloads constrained by on-premises requirements, giving them improved agility with a fully managed on-premises infrastructure without a long-term commitment.
- Improve business security in a hybrid cloud environment where data and workloads are protected by dedicated infrastructure fully managed by IBM yet secured for the client with data encryption and management that is physically isolated, or “air-gapped,” from client infrastructure.
- Scale as needed, with a pay-as-you-go model that reduces cost by eliminating initial capital expenses and reducing risk associated with new technology.
- With IBM Cloud Satellite, create a true hybrid cloud environment that seamlessly links all your private and public cloud resources and sets you up to innovate.



Enterprise IT infrastructure spending is increasingly favoring as-a-service consumption models—vendors are taking a note. However, public cloud services are not the end-all or be-all solution. Faced with variability in service quality and operational costs, many enterprises are in fact repatriating their applications to private cloud infrastructure.<sup>1</sup>

## Our approach

We provide a pay-as-you-go framework integrated with the latest compute and storage technology options for improved application performance and greater efficiency. Purchased as a service, our private cloud infrastructure eliminates capital expenses (CAPEX) by moving to a consumption-based operating expense (OpEx) model. Clients can choose compute as a service, storage as a service, or both, for maximum savings and flexibility.

For compute-as-a-service functionality, a dedicated, single tenant environment can ease security concerns by isolating workloads both on physical servers and on virtual machines. For storage as a service, multiple highly scalable, security-rich and high-performing data tiers provide a dynamic storage cloud that accelerates the performance of your most demanding cloud applications, now and in the future.

We manage the hardware, eliminating initial capital expenses and reducing risk associated with new technology adoption. You gain all the benefits of a public cloud while still adhering to GDPR, data residency restrictions and security requirements.

## How IBM Managed PCaaS works



### You choose what's best for your business:

#### Infrastructure management

- Network as a service
- Compute as a service
- Storage as a service

#### Location

- Your data center
- Colocation of your choice
- IBM data center

#### Compute offering

- Bare metal
- Virtual instance: vCPU, RAM

#### Storage offering

- Data tiers: Block, file
- Total GB capacity

#### Management location

- Remote or in-country with 27 countries supported

#### Network offering

- Ability to use your own network or design, deploy and manage the network as service



### IBM delivers:

#### Installation

- All necessary hardware and software
- Compute, storage or network infrastructure

#### Tools

- Support and enhancement requests

#### Infrastructure management

- Allocations, provisioning and upgrades

#### Infrastructure monitoring

- Proactive reporting and health checks

#### Host network interface

#### Completed infrastructure

- Available to client for application and workload deployment or data migration

# Use cases

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## 01

### Future-proofing business

**Problem:** A manufacturing client needed a multisite infrastructure solution that gives the company public cloud capability with the security of a dedicated private cloud environment.

**Solution:** IBM Managed PCIaaS was installed as a fully managed, on-premises service across the client's sites, providing the security they needed with air-gapped management that's physically isolated from client infrastructure and at-rest data encryption, so the client data is always encrypted in the infrastructure.

**Business benefit:** This flexible solution enabled a private cloud environment that's deployed and fully managed by IBM with all data housed onsite to comply with regulations. The client's security concerns were eased by isolating workloads both on physical servers and on virtual machines.

## 02

### Driving IT transformation

**Problem:** A large bank was running applications constrained by physical distance and network bandwidth and needed a scalable solution to maximize transaction performance by reducing latency.

**Solution:** IBM Managed PCIaaS was installed and managed on premises, which allowed the bank to achieve business results more quickly.

**Business benefit:** The on-premises IT infrastructure minimized latency, allowing for scalability and higher transactional performance.

## 03

### Streamlining workload management

**Problem:** A large telecommunications company needed to reduce the complexity of its big, data-sensitive multicloud systems.

**Solution:** IBM Managed PCIaaS was deployed across multiple client sites to manage the company's multicloud systems.

**Business benefit:** IBM streamlined workload management by removing siloed processes to allow faster communication among multicloud systems. The client also gained the flexibility to add or remove systems, as dictated by workloads.

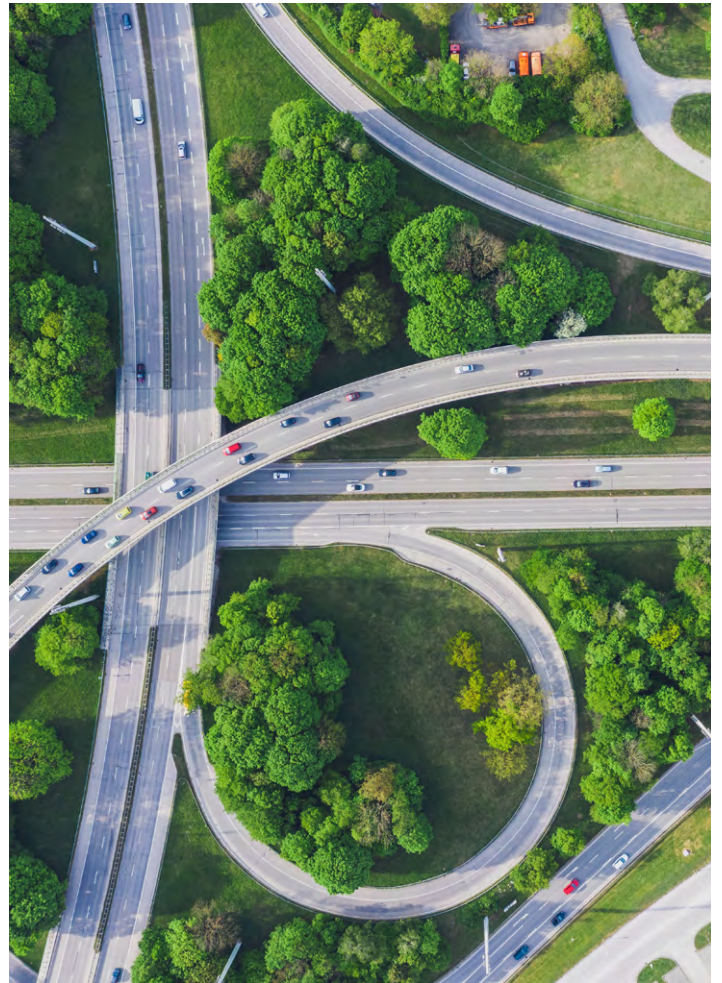
## Why IBM?

We put you on the fast track to cloud transformation. Our expertise in cloud, IT infrastructure and services can help transform your IT by modernizing your existing IT deployment and helping you adopt a private cloud model. We can manage and optimize the performance of your cloud infrastructure, so you can focus on innovation and core business objectives.

We combine the latest industry-standard technology and our vast industry experience with an automated infrastructure that's security-rich, highly available and agile to provide a superior private cloud environment.

Learn more about enabling cloud with IBM Managed Private Cloud Infrastructure as a Service and speak to an expert about how to initiate this solution for your company.

Start today →





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New Orchard Road  
Armonk, NY 10504

Produced in the United States of America  
March 2021

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1 Worldwide Whole Cloud Forecast, 2019-2023," IDC Study, June 2019

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