Data Provisioning
Software Buyers Guide

PRIVITAR

Data is a strategic asset

Your data has the potential to transform your future

Today's businesses operate in a data-driven and privacy-conscious world. Leaders make good decisions and outperform their competitors when they take advantage of insights that come from data. They also need to use data appropriately to maintain customer trust and good standing with regulators

Data provisioning, at its most basic, is the process of getting data from stores and sources to users and applications where value can be realized. However, your organization needs more than simply pipelines that get data from A to B. Data provisioning solutions fit for our privacy-conscious world will enable efficient, effective, and responsible data use.

Start with the right approach

Organizations get the best outcomes when they address data privacy risks in ways that consider specific situations and project goals. You can navigate privacy regulations and customer trust with privacy capabilities built into your data operations.

In a modern data provisioning approach, privacy and accountability are built into the provisioning process directly to optimize efficiency and accelerate access to data. Streamlining every aspect of data provisioning—including policy-based data protection and collaborative workflows for approving data access—reduces friction.

This new approach combines best practices and the latest privacy innovations in solutions that ensure valuable data reaches those who need it, at the right time without compromising on risk, compliance, or customer trust.
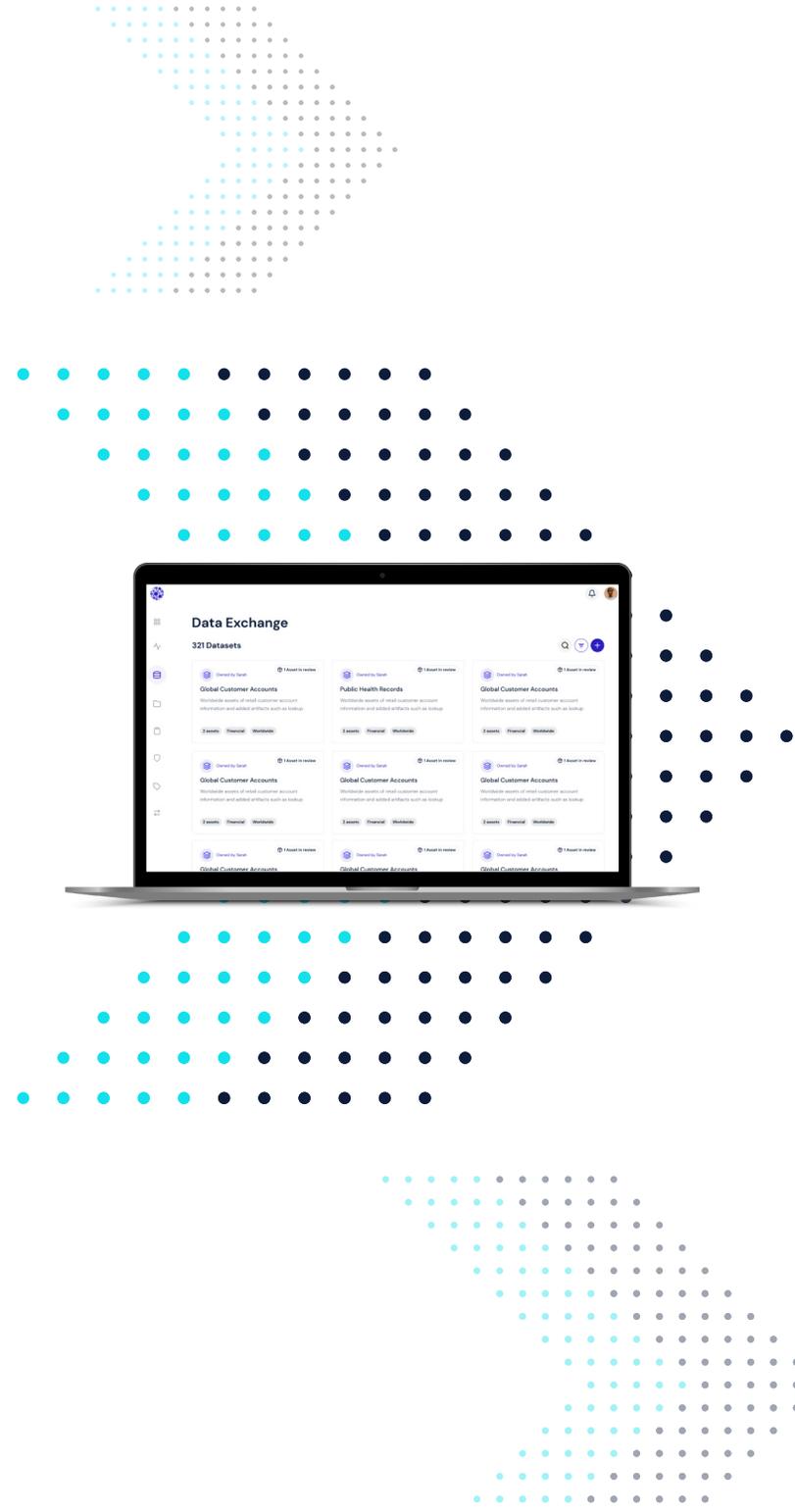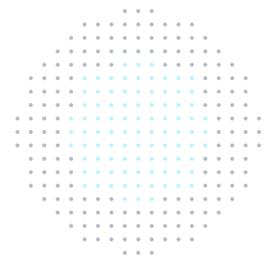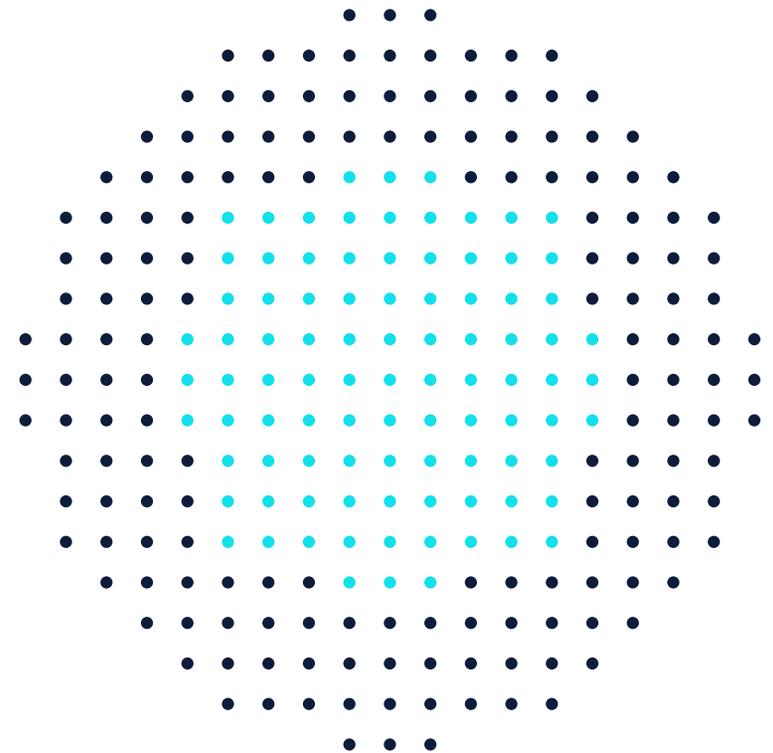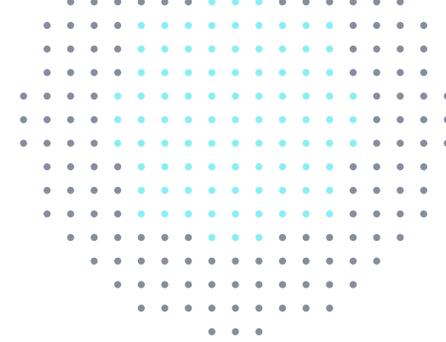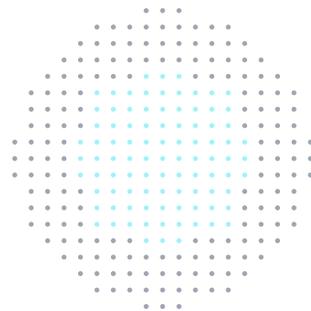
Who needs data provisioning software?

Data-driven organizations of all sizes need data provisioning solutions to provide useful data that data consumers can access in the tools and applications where they realize its value. Wherever they handle personally sensitive information, they need data provisioning solutions that can automate the checks, balances, and protections that ensure data is used responsibly.

Large enterprises (5,000 or more employees) will find solutions that streamline and automate processes to be essential.

Companies with entities in multiple jurisdictions, where varied data protection legislation applies, will benefit from capabilities that allow for data to move across borders safely and in compliance with regulations.

Organizations in regulated industries, like financial services and healthcare, need to manage additional complexity to provision data in line with evolving standards.

These organizations should integrate data privacy capabilities into their provisioning processes.

Who uses data provisioning software?

Collaboration is essential for efficient, effective, and responsible data use. Data provisioning solutions must address the needs of multiple stakeholders who may sit in different parts of an organization:

- data owners who are accountable for the use of data in their care
- data guardians who are responsible for ensuring legal and ethical use of data
- data consumers who access data to provide insights that drive innovation

Businesses benefit when these stakeholders can collaborate effectively to derive value from the data their organization has collected. Your chosen data provisioning solution should bring stakeholders together to manage the complexity, friction, and risk that proliferate as technology and regulations change.

Data owners

Data owners are the individuals in lines of business or operations teams who are responsible for systems that collect, store, and share data. They want to accelerate data–driven initiatives by sharing meaningful data that data consumers trust is both useful and safe to use. They may be under pressure to share data more often or more broadly.

Data provisioning solutions should empower data owners to provision data that maximizes utility and minimizes risks. They need solutions that can manage the challenge of scale.

Data guardians

Data guardians are responsible for policies and rules that govern data use across their organization. They enable business by promoting responsible data use. They want to ensure their organization uses data safely, and they play a critical role in defining policies and reviewing requests to use or share data assets.

Data provisioning solutions should enable data guardians to implement standards across multiple systems and keep those up to date as the context changes. With this in place, they can ensure valuable data is consistently available without compromising compliance.

Data consumers

Data consumers—including business users and applications, as well as data scientists and analysts—access data to provide insights that drive innovation. They want to find useful data in a matter of moments, choosing from an inventory that might hold hundreds of assets.

Data provisioning solutions should reduce the time it takes data consumers to find and access the data they need. That data should be approved and protected, ready for safe and compliant use without losing its utility.

Key considerations to evaluate data provisioning software

Here are 12 questions you should ask of any data provisioning solution.

Can you realize more value from data than ever before?

Data fuels analytics and innovation, so businesses want to make as much relevant data as possible available to analyze. However, legacy governance mandates in many organizations leave useful data untapped and inaccessible in restricted sources. A data provisioning solution with built-in data privacy capabilities will enable you to unlock data stores and sources by transforming sensitive data into safe data.

Can you make better decisions, faster than ever before?

Timely access to data is critical to reaching accurate insights that drive competitive data initiatives. Technology makes it easy to move data between sources and applications, but complex, ad hoc, or manual approval processes delay access to data in many organizations. Applying policies consistently accelerates data provisioning across an organization.

Your chosen data provisioning solution should accelerate access to data by providing streamlined, repeatable, and scalable processes. That requires automating the steps to approve data access and applying policy-based protections as data goes from A to B.

Can your data owners share data with confidence it will be safe to use?

Identify a data provisioning solution that streamlines the processes data owners go through to register and share data assets. They should be able to describe data using business terms that promote its meaning to data consumers and simplify the policies that ensure responsible use.

Can your data guardians protect data in ways that support its use?

Conditional policies, defining which controls you should enforce, enable data provisioning for responsible use at speed and scale. They act as the contract between those who own data, those who protect data, and those who use it at the end of the day. Data guardians can align data protection with approved business use, regulations, and compliance frameworks like data sovereignty.

Give your data guardians a data provisioning solution with an intuitive policy management experience, and they will accelerate access to safe data that drives innovation. Any solution with regulatory templates that assign protections automatically will give these users more time back.

Can your data consumers access data when they need it?

Data consumers need access to the right data at the right time, but they often struggle to locate approved data. Also, complex processes often extend the time it takes to access data. Look for a data provisioning solution that promotes self-service access to data, enabling your data consumers to serve themselves data in their favored applications.

Can you easily adapt to change?

You need to keep pace with emerging regulations. What you do today might not always comply with every regulation that applies to your business. Even your organization's own risk appetite may change, requiring changes to your data provisioning processes. Policies are critical to efficient data provisioning, but you also need the ability to change individual policies, without having to start from the beginning.

Can you protect data without diluting its value to the business?

You want to give users data with the highest possible analytical utility so that they can realize frequent and accurate insights. Legacy privacy solutions often dilute data's business value by applying data protections in ways that disrupt accurate analysis. Adopt a solution that enables you to tune data resolution for each analysis, using a wide range of privacy-enhancing computation (PEC) techniques in any combination.

Can you unmask protected data appropriately?

Analysis can highlight exceptions that need attention from customer service or fraud prevention teams. In these cases, an authorized user will need the ability to unmask protected data. This requires reversible PEC techniques, such as tokenization, which substitute a sensitive value with a nonsensitive equivalent that maps to the raw data without exposing personal information. Look for a data provisioning solution with flexible tokenization options that enable you to work within a specific region or across borders as required.

Can you keep track of who accessed data?

Recording the provenance of all the data you provision will support compliance and auditing efforts. Look for digital watermarking and metadata capabilities that enable authorized users to determine the origin, lineage, and intended purpose of every provisioned data asset. Your data provisioning solution should also log policy changes, access requests, and data usage—with logs made available to your auditing or SIEM tools.

Can you enforce company policies across all your systems?

Many organizations want to run varied analytics initiatives—from reporting and visualizations using BI tools, to predictive modeling with machine learning algorithms. If your data consumers perform analyses on diverse platforms and environments, you need to protect the sensitive data you provision across different technologies. Look for a data provisioning solution that extends policy-based data security and privacy controls across multiple provisioning patterns to protect data whether it is pulled directly from a database or pushed into analytical datasets.

Can you leverage your current data environments?

Businesses want to use technologies that already deliver value for their business. In fact, they want to broaden access to data and expand analytical workloads without interruption to business as usual. Data consumers should be able to access data using their preferred reporting, visualization, and analytics tools. Choose a data provisioning solution that enables you to build privacy into your current data pipelines seamlessly. Ensure the solution is flexible and scalable, ready for your data operations to grow.

Can you democratize access to data across your organization?

Businesses want to provide access to data for more business users, distributing the work of discovering valuable insights beyond specialists like data scientists. At the same time, legacy governance controls often restrict access for nonspecialist users. To democratize access safely, you need to control what users see without disrupting their ability to find new insights. Your chosen data provisioning solution should incorporate attribute-based access control (ABAC) to ensure sensitive data is viewed appropriately. You will be able to enforce who can use what data, as well as when, where, and for what purpose they can use it.
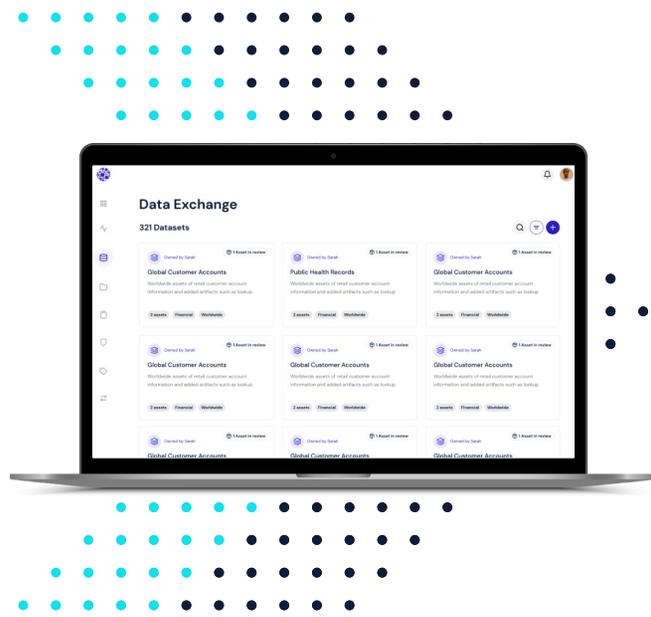
Why Privitar?

Privitar's comprehensive technology platform and expert services enable customers to implement a modern data provisioning approach.

The Privitar Modern Data Provisioning Platform builds collaborative workflows and policy-based data protections into data operations to enable efficient, effective, and responsible data use.

The platform enables self-service access to data for all users and applications. It streamlines access to data, privacy policy enforcement, and lineage reporting across an organization. Businesses can use their data to innovate and achieve greater efficiency while maintaining customer trust and navigating data privacy, data sovereignty, and industry data protection regulations.

Book a demo

About Privitar

Privitar empowers organizations to use their data safely and ethically. Our modern data provisioning solution builds collaborative workflows and policy-based data protection into data operations. Only Privitar has the right combination of technology, domain expertise, and best practices to support data-driven innovation while navigating regulations and protecting customer trust.

For more information, visit www.privitar.com

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