

# Dataflow-as-a-Service

## Fast track AI with an extensible ML services platform

### Challenge

Developing and deploying AI for custom solutions requires the procurement of talented AI and ML experts that are expensive and hard to find. Even if the talent is available, repetitive and mundane work can impede value-add and innovation.

### Solution

Dataflow-as-a-Service™ from SambaNova provides a comprehensive ML services platform enabling organizations to dedicate AI and ML talent to value-add and innovation.

### Key Benefits

- Augment your machine learning expertise
- Stay current with the latest updates—seamlessly
- Accelerate AI innovation

To gain competitive advantages, organizations are seeking next-generation AI solutions. Obtaining the resources and specialized talent needed are a challenge. SambaNova's Dataflow-as-a-Service™ is an extensible ML services platform that can help organizations achieve the custom AI solutions they need.

### The Challenge

Companies of all sizes can face several seemingly insurmountable obstacles when putting AI strategies into action.

AI and ML talent is expensive and hard to find, leaving most organizations with critical skills gaps. Different computing architectures require specialized experts to make models performant, and meet SLAs and other requirements.

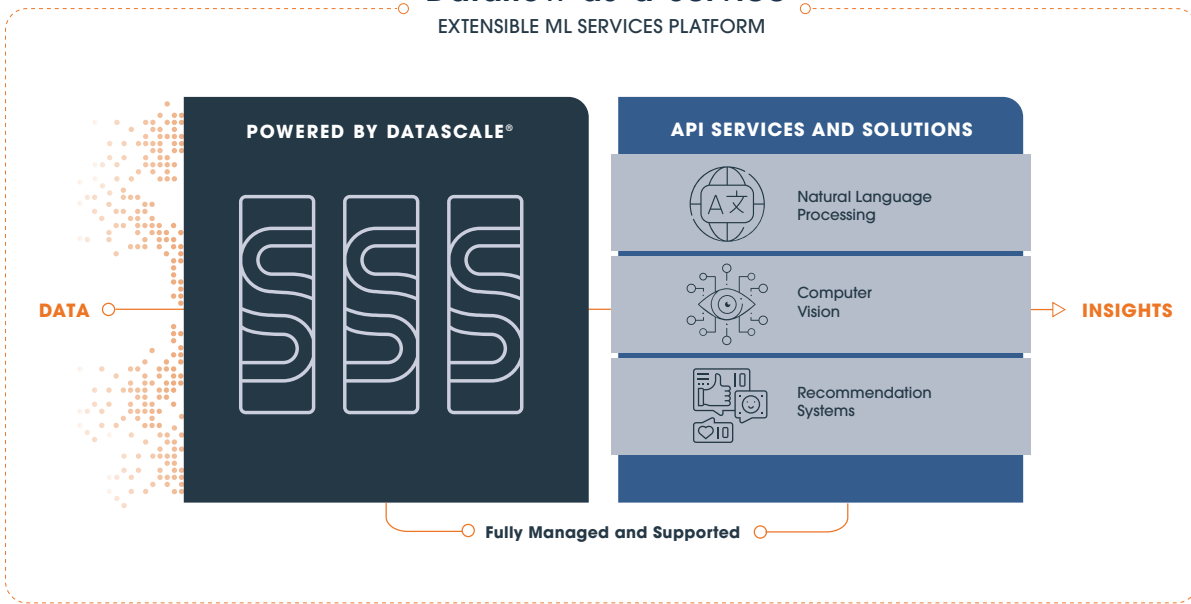
Rounding out the list of common challenges to developing and deploying AI is finding the right solution and keeping it current with constantly changing data.

### Introducing Dataflow-as-a-Service

SambaNova now offers its extensible ML services platform for Language, Vision, and Recommendation delivered as a service. Developed to help organizations deploy natural language processing, high-resolution computer vision, and recommendation system, our Dataflow-as-a-Service solution accelerates AI workloads. This service provides organizations with comprehensive ML services—empowering you to rapidly deploy customized solutions with total confidence.

# Dataflow-as-a-Service™

EXTENSIBLE ML SERVICES PLATFORM



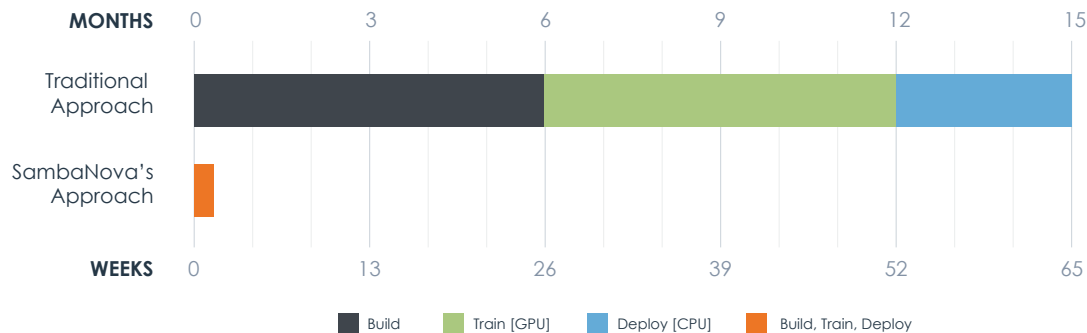
## How it Works

Dataflow-as-a-Service levels the AI playing field. By closing technical capabilities gaps for organizations of any size, it frees your developers to focus on creating innovative AI applications that deliver deeper insights faster. With a simple subscription, our service augments the expertise of your machine learning team and ensures you get the best-in-class solution to meet your requirements.

With Dataflow-as-a-Service, your organization has the flexibility to deploy in your location of choice, including securely behind your firewall, and be fully managed and maintained by SambaNova. We will work closely with you to customize a solution based on your specific data, unique requirements, and desired business outcomes—accelerating time to value.

## Deploy in Days – Accelerate Time to Value

TIME TO SOLUTION: TRADITIONAL APPROACH VS SAMBANOVA'S APPROACH






You supply your domain-specific data—and we'll take care of the models. Dataflow-as-a-Service provides the state-of-the-art models and keeps them up to date, so your users can focus their efforts on achieving high-priority business objectives without worrying about model selection and experimentation. With it, enterprises of all sizes can achieve high accuracy at less time and cost.

Dataflow-as-a-Service offers flexible inference options for deploying trained AI models at scale in production. Regardless of batch size, it delivers best-in-class latency and throughput to meet your specific SLA requirements. Using standard REST APIs, our service can be integrated into your applications with ease.

## Solution Options

Dataflow-as-a-Service provides organizations with comprehensive application solutions for natural language processing, high-res computer vision, and recommender systems.

	 <b>Language</b>	 <b>Vision</b>	 <b>Recommendation</b>
Overview	Develop and deploy highly-customized language models—efficiently at scale	Unlock the full advantage of your high-resolution images beyond today's limits	Deliver more personalized recommendation than ever before
Catalog options	Pre-training, fine-tuning, inference, co-design	Training with low to high resolution images, inference, co-design	Training, real-time online inference, co-design
Use cases	Billion-parameter models	Image 2k or higher resolution	Terabyte-sized embedding tables
Features	Enterprise-level support   Bring your own data   Deploy at location of your choice Predictable subscription pricing   Flexible configuration		

## Powered by DataScale®

An integrated system optimized for dataflow from algorithms to silicon, SambaNova's DataScale® is the core enabling platform for organizations that need to quickly build and deploy next-generation AI technologies at scale. Built on SambaNova's Reconfigurable Dataflow Architecture™ (RDA), DataScale enables you to achieve unparalleled efficiency and performance across a broad range of applications.

### The Fastest, Easiest, and Guaranteed Path to AI

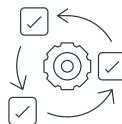
Fast track and simplify your AI projects at less cost. Dataflow-as-a-Service provides the comprehensive services, models, and platform you need to deploy customized AI solutions with total confidence.

#### Augment your ML Expertise



With SambaNova, you don't have to be Google to deploy Google-class machine learning.

#### Stay Up to Date—Seamlessly



Get the latest advancements with continuous updates that keep you ahead of the curve.

#### Accelerate AI innovation



Use your data to deploy customized solutions at best-in-class accuracy.



## SambaNova is Accelerating and Transforming AI

To learn more about how SambaNova's Dataflow-as-a-Service can help you achieve custom, next-generation AI solutions, [schedule a meeting.](#)

Learn more at [SambaNova.AI](https://SambaNova.AI)



SambaNova Systems is an AI innovation company that empowers organizations to deploy best-in-class solutions for computer vision, natural language processing, recommendation, and AI for science with confidence. SambaNova's flagship offering, Dataflow-as-a-Service™, helps organizations rapidly deploy AI in days, unlocking new revenue and boosting operational efficiency. SambaNova's DataScale® is an integrated software and hardware system using Reconfigurable Dataflow Architecture™, along with open standards and user interfaces. Headquartered in Palo Alto, California, SambaNova Systems was founded in 2017 by industry luminaries, and hardware and software design experts from Sun/Oracle and Stanford University. Investors include SoftBank Vision Fund 2, funds and accounts managed by BlackRock, Intel Capital, GV, Walden International, Temasek, GIC, Redline Capital, Atlantic Bridge Ventures, Celesta, and several others. For more information, please visit us at [sambanova.ai](https://sambanova.ai) or contact us at [info@sambanova.ai](mailto:info@sambanova.ai). Follow SambaNova Systems on LinkedIn.