

HPE Machine Learning Data Management Software



What's new

- Data pipelines with versioning and lineage for complete reproducibility.
- Scale workloads to petabytes with autoscaling and parallel processing.
- Data-driven pipelines intelligently triggered by detecting changes to data.
- Drive collaboration and scale teams with modular, shareable, central platform serving as single source of truth.
- Generate simpler, clearer, and easy to debug code with the improved Python based SDK.

Overview

Do you need to scale your machine learning (ML) and data pipelines when processing large amounts of structured and unstructured data?

HPE Machine Learning Data Management Software delivers a flexible data layer platform that automates complex ML and data pipelines, while providing data versioning and lineage for reproducibility. Increase the performance of your pipelines with autoscaling and parallel processing built on Kubernetes for resource orchestration. Standard object stores, deduplication, and pipelines are automatically triggered when data is modified, thus saving your engineers time and resources. This platform features immutable data lineage with data versioning of any data type to provide traceable results, allowing any

outcome to be reproduced.

Features

Scalability and Performance

Leveraging Kubernetes for resource orchestration, HPE Machine Learning Data Management Software can process petabytes of data and billions of records using autoscaling and parallel processing across multiple nodes.

Automatically deduplicate data and process only the new or changed data (incremental processing) so models always have the most current data.

Git-like, modular structure of repos and pipelines enables teams to scale, share resources, and collaborate effectively.

Reproducibility and Automation

With immutable data lineage and data versioning, HPE Machine Learning Data Management Software provides complete reproducibility of any outcome.

Full versioning for data and metadata including all analysis, parameters, artifacts, models, and intermediate results.

Data-driven pipelines are automatically triggered by detecting changes to data (additions and modifications), pipelines, or code.

Combine automation, data versioning, and parallel processing to transform expensive and unpredictable projects into streamlined, enterprise-grade AI/ML production workflows through end-to-end pipelines.

Flexible Platform

Language and tooling agnostic, HPE Machine Learning Data Management Software allows engineers complete autonomy to use whatever languages, frameworks, or libraries are best for their use case.

Data agnostic, this solution supports structured and unstructured data easily as well as batch and streaming data.

Runs inside Docker containers on Kubernetes for complete portability to the cloud or on-premises.

Cost Effective for ML workloads

HPE Machine Learning Data Management Software can reduce compute and storage costs by processing only new or changed data and deduplicating data.

Customize resource utilization by allocating workloads to CPU or GPU resources as the use case demands.



[For additional technical information, available models and options, please reference the QuickSpecs](#)

HPE Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

Consulting services

Experts can help you map out your path to hybrid cloud and optimize your operations.

Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

Operational services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

- HPE Complete Care Service: a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.
- HPE Tech Care Service: the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

HPE Education Services

Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options.

[The Defective Media Retention \(DMR\)](#) service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction. [Comprehensive Defective Material Retention \(CDMR\)](#) allows you to keep all data retentive components.

HPE GreenLake

[HPE GreenLake edge-to-cloud platform](#) is HPE's market-leading as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model, on premises, fully managed in a pay per use model.

If you are looking for more services, like **IT financing solutions**, please explore them [here](#).

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Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

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