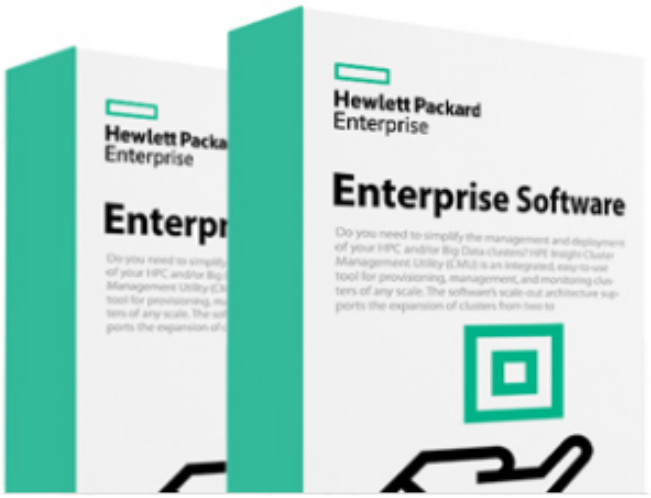
HPE Machine Learning Development Environment 5-year Subscription E-RTU (R9Y52AAE)



Overview

Are your model development and MLOps teams spending more time setting up and managing ML infrastructure, rather than building and deploying models to production?

HPE Machine Learning Development Environment as a managed service is a fully managed MLOps platform that allows model developers and researchers to focus on building better models faster by reducing complexity and removing the need to write boilerplate code associated with managing ML infrastructure. It easily integrates with ML frameworks and tools, and supports customers bringing their own AWS or GCP cloud environments.

Our platform also makes it easy for IT and MLOps teams to setup and share AI infrastructure to improve collaboration and productivity for ML teams, while reducing costs.

Train models faster, build more accurate models, efficiently manage and share AI infrastructure, and track and reproduce experiments easily with HPE Machine Learning Development Environment as a managed service.

Features

Train Models Faster with Cutting-Edge Distributed Training Strategies and Techniques

HPE Machine Learning Development Environment Software integrates with DeepSpeed for 3D-Parallel (data-, model-, and pipeline-parallel) distributed training, to speed up training of large models like GPT-NeoX.

Enable Horovod for easy-to-use data-parallel distributed training.

Provide PyTorch Distributed Data Parallel (DDP) for flexibility and choice of distributed training strategies.

Find Better Model Configurations Efficiently with Cutting-Edge Hyperparameter Tuning Techniques

HPE Machine Learning Development Environment Software features production-grade implementation from the creators of the Asynchronous Successive Halving (ASHA) Hyperband algorithm for HPE search and optimization.

Define your own logic to coordinate across multiple trials within an experiment.

Implement your own custom hyperparameter search algorithms, ensembling, active learning, neural architecture search, and reinforcement learning.

Easily Share GPUs and Accelerators with ML Workflow-Aware Smart Scheduling and Resource Management

With HPE Machine Learning Development Environment Software, you can easily share your on-premises or cloud GPUs and accelerators with your ML development and operations teams.

Run ML and HPC jobs alongside each other on the same cluster, with support for workload managers like Slurm or PBS, and secure container runtimes like Singularity/Apptainer, Podman, or NVIDIA® Enroot.

Seamlessly use spot or preemptible instances to manage cloud costs.

Train models on NVIDIA or AMD GPUs without any code changes, with foundational support for accelerator heterogeneity.

Consistent user experience for deployments on your laptop to a supercomputer, and everything in-between including: baremetal, virtual machine (including cloud and on-premises IaaS solutions), Kubernetes, Slurm, and PBS.

Track and Reproduce your Work with Integrated Experiment Tracking and the Model Registry

HPE Machine Learning Development Environment Software provides built-in experiment tracking that covers model code, configuration, hyperparameters, metrics, and checkpoints.

Version, annotate, and organize trained models so that MLOps teams can effectively collaborate with model developers to manage your models' lifecycle.

Technical specifications

HPE Machine Learning Development Environment 5-year Subscription E-RTU

Product Number	R9Y52AAE
Supported hardware environment	Hardware equipped with NVIDIA® or AMD GPUs, on a variety of on-premises or cloud infrastructure.
Length of support	1 year

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.

Explore **HPE GreenLake**

Make the right purchase decision. Contact our presales specialists.

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