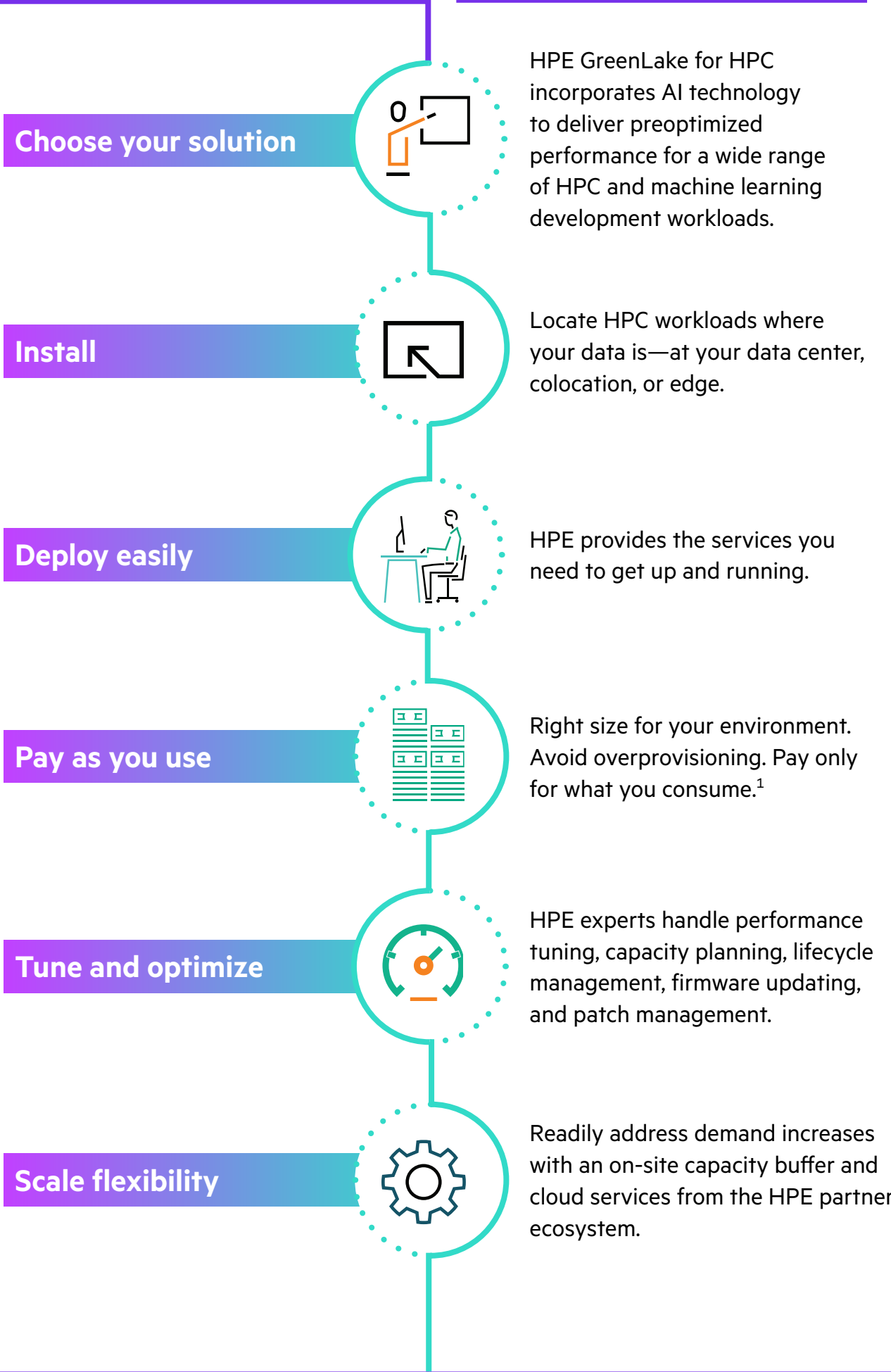# Unlock the value of your data with HPE GreenLake for HPC
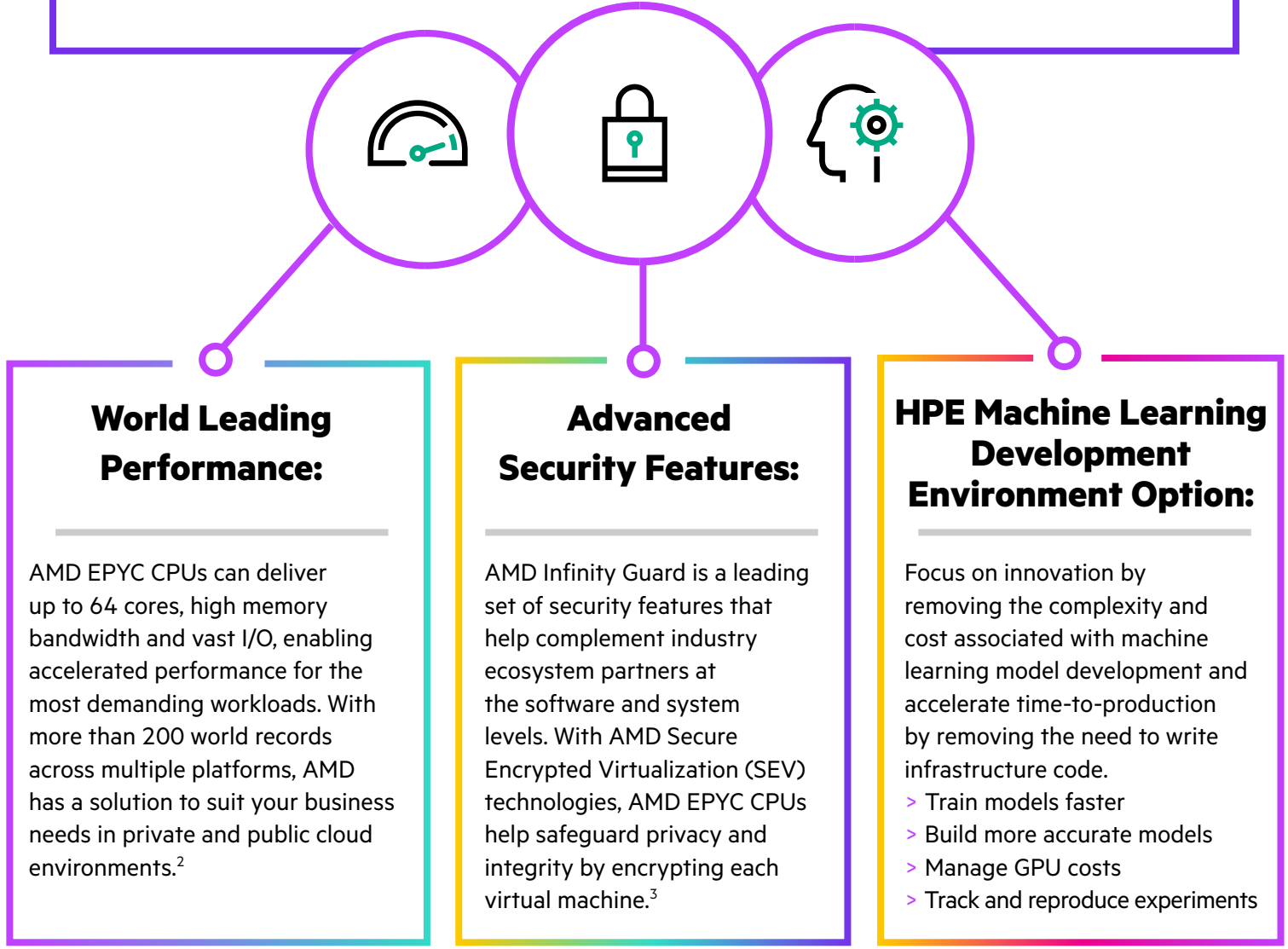

Focus on solving complex problems, not configuring complex infrastructure. HPE GreenLake for HPC solutions combine our leading-edge technologies, computing expertise and professional services in one seamless experience.

The HPE GreenLake experience

Choose your solution
HPE GreenLake for HPC incorporates AI technology to deliver preoptimized performance for a wide range of HPC and machine learning development workloads.

Install
Locate HPC workloads where your data is—at your data center, colocation, or edge.

Deploy easily
HPE provides the services you need to get up and running.

Pay as you use
Right size for your environment. Avoid overprovisioning. Pay only for what you consume.[1]

Tune and optimize
HPE experts handle performance tuning, capacity planning, lifecycle management, firmware updating, and patch management.

Scale flexibility
Readily address demand increases with an on-site capacity buffer and cloud services from the HPE partner ecosystem.

Access the full HPE portfolio

Choose from our full range of HPC-focused systems, including those powered by industry-leading AMD EPYC processors.

World Leading Performance:

AMD EPYC CPUs can deliver up to 64 cores, high memory bandwidth and vast I/O, enabling accelerated performance for the most demanding workloads. With more than 200 world records across multiple platforms, AMD has a solution to suit your business needs in private and public cloud environments.[2]

Advanced Security Features:

AMD Infinity Guard is a leading set of security features that help complement industry ecosystem partners at the software and system levels. With AMD Secure Encrypted Virtualization (SEV) technologies, AMD EPYC CPUs help safeguard privacy and integrity by encrypting each virtual machine.[3]

HPE Machine Learning Development Environment Option:

Focus on innovation by removing the complexity and cost associated with machine learning model development and accelerate time-to-production by removing the need to write infrastructure code.
> Train models faster
> Build more accurate models
> Manage GPU costs
> Track and reproduce experiments

Why simple HPC is a complex problem

HPC is about solving the world's toughest problems and stretching computing performance to its limit. HPC platforms are often complex because they are at the cutting edge. We have put all of our expertise, and the best of HPE technologies and services, into creating utility-like HPC solutions that speed time to value.

> **Any intelligent fool can make things bigger and more complex. It takes a touch of genius and a lot of courage to move in the opposite direction.**

E. F. Schumacher, Economist

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