

FREQUENTLY ASKED QUESTIONS ABOUT INTEL® SELECT SOLUTIONS



1) What are Intel® Select Solutions?

Intel® Select Solutions are workload-optimized data center solutions that simplify and accelerate deploying new hardware and software infrastructure for today's modern workload and IT needs.

The solutions are pre-verified, benchmarked combinations of Intel-based hardware platforms and software solutions from leading ecosystem partners designed to reduce the time and costs associated with modern infrastructure deployment.

2) How do Intel® Select Solutions reduce time and costs of deploying new infrastructure?

Typically, deploying modern infrastructure requires a large investment of time and money to evaluate, purchase, integrate, verify and deploy hardware and software.

Intel® Select Solutions greatly reduce those time and cost requirements by providing a proven, verified, performance benchmarked infrastructure that is purpose-built for a given workload or IT need. Essentially, Intel® Select Solutions greatly reduce the effort and investment required to deploy new infrastructure.

3) What infrastructures are currently enabled by Intel® Select Solutions?

Currently, there are Intel® Select Solutions offered for the following infrastructure needs:



• **Hybrid Cloud**



• **Database and Analytics**



• **Storage and Hyperconverged Infrastructure**



• **Network Functions Virtualization (NFV)**



• **High-Performance Computing (HPC)**

And Intel is planning to offer additional Intel® Select Solutions in the future.

4) What are the benefits of an optimized hybrid cloud infrastructure?

A hybrid cloud strategy provides all the control and visibility benefits of an on-premises private cloud with the flexibility and scalability benefits of a public cloud, while enabling all the agility and efficiency you expect from cloud infrastructures.

Hybrid clouds:

- Simplify application deployment.
- Provide greater agility to innovate faster, deliver new revenue-generating opportunities and improve workflow processes.
- Reduce capital expenses for on-premises infrastructure while also providing a pay-as-you-go/grow option for scaling or deploying workloads on the public cloud.

Intel® Select Solutions for hybrid cloud deployments combine Intel hardware-enhanced security and performance features with advanced cloud capabilities from leading partners.

Intel currently offers two Intel® Select Solutions for hybrid cloud:

- Intel® Select Solution for VMware Cloud Foundation*
- Intel® Select Solution for Microsoft Azure* Stack

5) What are the benefits of a High-Performance Computing (HPC) infrastructure?

HPC infrastructure is designed to greatly accelerate advanced workloads that can take advantage of highly-parallel processing capabilities.

Intel® Select Solutions for HPC are optimized to take advantage of the outstanding performance enabled by Intel® Xeon® Scalable processors, Intel® Omni-Path Architecture high-performance fabric, Intel® FPGAs and Intel® SSDs.

Intel currently offers two Intel® Select Solutions for HPC:

- Intel® Select Solution for Simulation and Modeling
- Intel® Select Solution for Genome Analytics

6) What are the benefits of a database and analytics infrastructure?

Many companies need an infrastructure that can handle large volumes of online transaction processing (OLTP) or hybrid transactional/analytical processing (HTAP) to run their business and gain valuable insight from their data.

Intel® Select Solutions for Microsoft SQL Server* deliver the performance, security and scalability you need for these workloads by combining Intel® Xeon® Scalable processors, the Intel® SSD Data Center Family and Intel® Ethernet Network Adapters with the advanced capabilities of Microsoft SQL Server*.

Intel currently offers two Intel® Select Solutions for Microsoft SQL Server*:

- Intel® Select Solution for Microsoft SQL Server* Business Operations
- Intel® Select Solution for Microsoft SQL Server* Enterprise Data Warehouse

7) What are the benefits of a hyperconverged infrastructure storage solution?

Organizations everywhere are looking for a more scalable, cost-effective storage solution to replace their current Storage Area Network (SAN) and Network-Attached Storage (NAS) deployments.

A hyperconverged infrastructure—with software-defined storage capabilities—can deliver the scalability and affordability you need to handle your storage needs today and tomorrow.

Intel currently offers two Intel® Select Solutions that provide these capabilities—delivering high performance and simple scalability:

- Intel® Select Solution for Microsoft SQL Server* Business Operations
- Intel® Select Solution for Microsoft SQL Server* Enterprise Data Warehouse

8) What are the benefits of Network Functions Virtualization (NFV)?

Traditionally, networks are comprised of expensive, proprietary, fixed-function appliances based on 3rd-party silicon. These appliances are often underutilized or overutilized because they are function-specific.

An Intel® Select Solution offering Network Functions Virtualization (NFV) can replace those expensive, fixed-function appliances with virtualized Intel® Xeon® processor-based servers that can run a variety of network tasks in a single box, scaling those tasks on demand.

There are two cost-effective NFV options:

- Intel® Select Solution for NFVI
- Intel® Select Solution for UCPE

9) What makes Intel® technology best for modern infrastructures, such as hybrid cloud, HPC, analytics and hyperconvergence?

Intel® Select Solutions integrate industry-leading Intel® technologies to maximize processing, storage and I/O performance, as well as provide hardware-enhanced security. These include:



- **Intel® Xeon® Scalable processors** – Deliver enhanced security and outstanding multi-core compute performance on a diverse set of workloads.



- **Intel® Solid State Drives for Data Center** – Provide fast, low latency storage performance.



- **Intel® Ethernet Network Adapters** – Accelerate data to and from servers and the network.



- **Intel® Omni-Path Architecture** – Enables a highly-scalable, high-performance fabric to accelerate I/O in HPC environments.



- **Intel® FPGAs** – Accelerate workload-specific tasks to increase overall infrastructure performance.

Intel technologies' features and benefits depend on system configuration and may require enabled hardware, software or service activation. Performance varies depending on system configuration. No computer system can be absolutely secure. Check with your system manufacturer or retailer or learn more at [intel.com](https://www.intel.com).

Intel, the Intel logo, Xeon, and the Xeon logo are trademarks of Intel Corporation in the U.S. and/or other countries.

*Other names and brands may be claimed as the property of others.

© Intel Corporation.