Horizon® cloud computing services

A hybrid IT services framework to manage traditional and cloud-enabled computing environments.

Perspecta's Horizon® services bridge the gap between the technology you have now and where you want to go. With Horizon, you have options. You can: buy hardware and services traditionally to maintain your data center environment; cloud-enable your data center on your own premises through Perspecta's as a Service (aaS) offering; create a cloud at one of Perspecta's data centers and connect back to your on-premises IT for a burstable and fully scalable solution; or connect to more than 450 cloud providers, giving you a seamless and cost effective enterprise product. Horizon supports your organization with a tailor-made solution. Horizon is not an all-or-nothing approach to the cloud. It's a bridge to get you where you want to be, as quickly and efficiently as possible.

Cloud computing at Perspecta

Perspecta's approach to cloud computing is based on deep experience and a track record of exceptional performance, gained while specializing in data center relocations and consolidations. Perspecta and its cloud partners have migrated countless

applications—all with different requirements—to public, private and hybrid cloud platforms. Utilizing Perspecta's proprietary automation tool, Zeus, customers get to view their infrastructure and capacity at the click of a button. We work with our customers to understand demand and deployment timelines. That means, instead of having to purchase equipment for all sites at one time, investing a large amount of capital expense, customers are able to migrate and deploy only sites that are ready, when they're ready.

Horizon cloud computing features

- **On-demand self-service:** Through the use of a web portal, customers are able to automatically provision specific servers and network storage without human interaction and manage infrastructure and equipment

- **Resource pooling:** Cloud computing allows independent computing resources to be pooled, which means that operating environments can be dynamically assigned and reassigned according to demand

- **Rapid elasticity:** Elasticity provides the largest benefit to cloud customers—automatically and dynamically scaling computing resources and adjusting computing resources as required to avoid service-level agreement (SLA) violations

- **Measured service:** Our cloud customers pay only for what they use. Our pay-as-you-go model reduces upfront investment costs and allows resource usage to be transparently monitored, controlled and reported for both the provider and the consumer

- **aaS solution:** Cloud computing is based on self-provisioned services. It allows for the automatic provisioning of servers, storage and network without human intervention. Applications can also be deployed for a monthly cost in our aaS model

Perspecta owns and operates a fully redundant, highly available commercial cloud that is Federal Risk and Authorization Management Program (FedRAMP) authorized to provide Infrastructure as a Service (IaaS) to government customers. Perspecta's cloud database is also part of a cloud exchange where we are connected to more than 450 cloud providers including Amazon Web Services and Microsoft—giving Perspecta the ability to offer an extraordinary range of cloud solutions to our customers.

Our cloud strategy is inherently open-source centric and partner focused, allowing our customers to take advantage of cloud service provider market transitions and capitalize on their potential. Our open standards-based approach to cloud gives the customer the opportunity to build on a robust ecosystem of industry-leading technologies (e.g., Kernel-based Virtual Machine—or KVM, OpenNebula) and avoid being locked into a single vendor or platform.

More on our enabling technologies

Zeus

Zeus is a first-of-its-kind, proprietary aaS automation tool to provide IT orchestration and automation transparency to our customers. Zeus provides full visibility into your infrastructure regardless of whether it exists in your data center or at one of our data centers, and streamlines the call order/procurement process. It gives customers a truly holistic view into their infrastructure (both physical and virtual), enables them to scale up and down resources and aaS services as-needed, allows them to track workloads across solutions to address specific business requirements, and integrates inventory management and an end-to-end call order management system. The fully customizable service catalog and workflow processes, end-user marketplace and monitoring dashboards ensure success. Zeus allows for true hybrid cloud solutions that can combine pre-existing infrastructure with new cloud-based solutions.

CloudSeed

CloudSeed is our open-sourced engineered solution for intelligent and scalable cloud infrastructure deployments. The vision behind the solution is to move away from complex implementations of traditional server and storage environments that require multiple subject matter experts to integrate a large amount of multi-vendor hardware and software solutions together for a single cloud solution. The design eliminates the need for the traditional architecture hardware and software stack that often results in unnecessary overhead—leading to performance degradation and increased potential for reduced availability time—as well as sprawling licensing and management costs. This design provides a simplistic plug and play format, in addition to an unplug methodology for scalability.

Learn more about Perspecta's comprehensive cloud computing and infrastructure services at perspecta.com/cloud.