Cloud Strategy

ANSYS and Cloud Computing
An Open Strategy for Deployment Flexibility

For many years, the ANSYS vision has been to deliver engineering simulation based on advanced technology, in a platform that enables complete virtual prototyping for process compression and dynamic collaboration. This vision of simulation-driven product development remains constant in the era of cloud computing, with ANSYS committed to delivering the value of our simulation platform to customers in the cloud. Our goal is to be the world leader in cloud-based engineering simulation, just as we are for traditional, non-cloud usage.

Using the cloud for simulation presents unique challenges with different solution types required for specific use-cases. ANSYS is developing a set of best-practice solutions to address these challenges. Our overall strategy is the ANSYS Open Cloud Strategy™, our label for a strategy that is:

Open to multiple cloud platforms and vendors. ANSYS customers can choose their preferred cloud vendor or service provider from an ecosystem of ANSYS partners. As in the traditional hardware environment, we understand that our customers will value the ability to choose from a range of supported options.

Open to multiple cloud solution types. Recognizing that the cloud is not “one size,” ANSYS and our partners support and deliver a range of cloud solutions to address a range of needs, from enterprise deployment to individual job execution, from internal private clouds to a shared public cloud.

Open to multiple business models on the cloud, from traditional software licensing to pay-per-use elastic access for peak needs. A fundamental premise of our Open Cloud Strategy is that you can use your ANSYS software licenses on hardware of your choice, including cloud-based hardware. This combination of business continuity and cloud flexibility ensures that you can move to the cloud without locking into a ‘one size’ software business model.
The ANSYS Open Cloud Strategy is manifested, today, in the following supported cloud solutions.

**ANSYS Enterprise Cloud**
The ANSYS Enterprise Cloud provides you with a turn-key simulation platform within your dedicated corporate account on the public cloud. Powered by the ANSYS Cloud Gateway portal and our carefully engineered reference architecture, the Enterprise Cloud solution can be self-managed by your IT experts or managed by a service partner. This single-tenant solution, delivered today on the Amazon Web Service (AWS) global platform, provides you with a virtual-private cloud (VPC) for enterprise simulation.

**ANSYS Cloud Hosting Partners**
ANSYS Cloud Hosting Partners provide a combination of IT services and infrastructure that allow you to outsource your implementation of ANSYS, either for occasional needs or as an ongoing deployment strategy. These partners will deploy and provide IT support for your use of ANSYS applications in their cloud data center(s), providing you with scalable access to high-performance computing (HPC) in multi-tenant or single-tenant environments.

**Corporate Private Clouds**
ANSYS also supports the use of our products in a corporate private cloud, provided that these solutions are architected using component technologies (such as operating systems, VMs, and job schedulers) that we test and certify. The ANSYS Engineering Knowledge Manager software provides an integrated job and data management portal that can dramatically improve engineering productivity for these private cloud deployments.

ANSYS understands that effective IT deployment strategies are key enablers of simulation-driven product development. The right deployment provides simplified access to consistent tools, with ample HPC capacity for high-fidelity models and rapid design exploration. The right deployment provides secure access to shared data for enhanced collaboration and leverage of engineering IP. Cloud computing can help you achieve these goals. As you pursue or consider a cloud deployment strategy, ANSYS can help you succeed.

Contact sales@ansys.com or visit www.ansys.com/cloud to learn more.