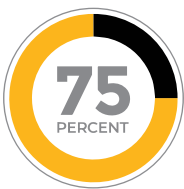




## Cloud Datasheet

*Unleash the power of simulation!*

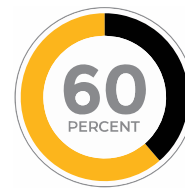
Have you ever driven a car at the speed limit on a highway and wished you could run it full out on a racetrack with no speed limit? Ansys Cloud removes the speed limit for your simulations while also giving you a wider track for more throughput. It gives you access to unlimited HPC with no server limitations, so you can experience HPC as easy as it should be!



Hardware constraints negatively impact simulation effectiveness for almost 75% of users.



How often do you “cut corners” due to your compute limitation?  
 / Almost always, 40%  
 // More than half of the time, 35%  
 /// Almost never, 25%



60% of our customers are using less than 16 cores parallel processing.

Access Ansys Cloud anywhere, anytime to obtain endless simulation capabilities compatible with most Ansys solvers.

- ✓ Forget hardware and pay only for what you need.
- ✓ Remove IT complexity and compute with confidence.
- ✓ Improve your workflow and reduce your expenses while boosting your innovation.
- ✓ Collaborate with your team on an all-in-one, user-friendly single platform that is always available.

### Are you ready to unleash the power of simulation?



Focus on engineering (not maintaining clusters)



Pay only for what you use



Access the latest hardware



Move fixed expenses to variable (CapEx -> OpEx)

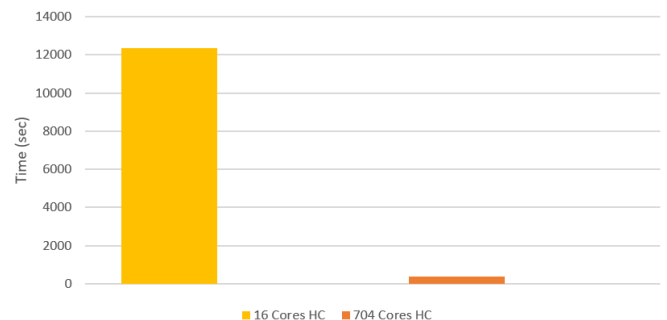


Increase simulation throughput from anywhere

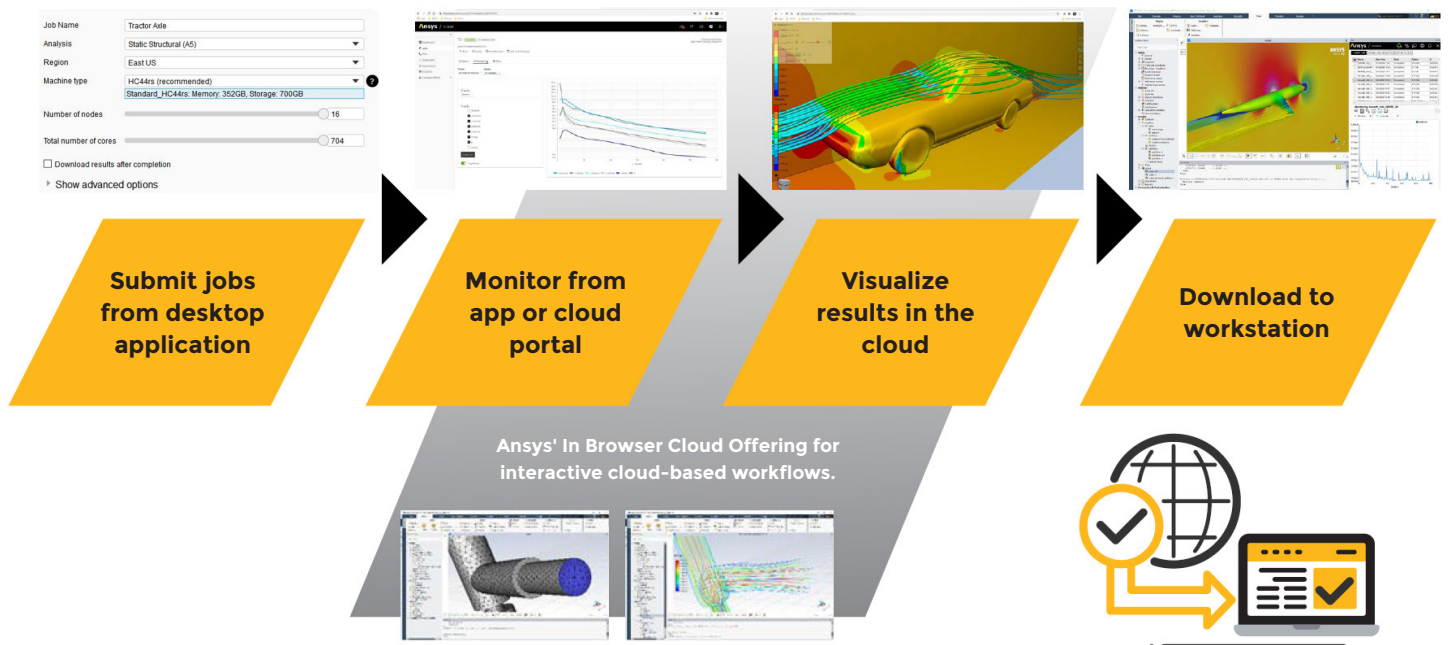
### / Why Ansys Cloud?

- **Workflow:** Cloud access is integrated directly from your Ansys software. With only a few mouse clicks, you have the power of the cloud to use as you wish.
- **Performance:** This complete solution – from solvers to the cloud – was developed by Ansys for full architecture integration. Like a Formula 1 race car, Ansys Cloud is tuned for Ansys solvers.
- **Support:** Ansys supports the entire simulation process from hardware to software, from beginning to end.

Elapsed Mechanical Solver Time (sec) vs Core Count:  
**Speed up to 35X !**



## / Ansys Cloud Workflow



## / Ansys Cloud is your solution

- Solve in the cloud directly from the desktop application
- Highly optimized for Ansys solvers
- Single vendor solution for software and hardware
- Worldwide data centers

## / Ansys Cloud Capabilities

- **Built-in cloud HPC access:** Ansys Cloud delivers easy access to on-demand high-performance computing resources from within your Ansys environment.
- **Full remote desktop experience:** Ansys Cloud's In-Browser Interactive Session is a virtual desktop interface (VDI) that delivers workstation-class performance to any computer with an internet connection.
- **Completely secure workflows:** Ansys Cloud provides a highly robust and completely secure environment for running simulations in the cloud. At the Microsoft® Azure™ data centers, where simulations are run and data are stored, access is strictly controlled.
- **Economical on-demand pricing:** Pay-per-use access to both cloud hardware and Ansys software is available on Microsoft Azure and enabled through Ansys Elastic Licensing.
- **Job monitoring:** Easily monitor the progress of your HPC job from within the desktop application (when using Ansys Mechanical or Ansys Fluent for example) or from a web-based cloud portal (for Ansys Mechanical, Ansys Fluent and Ansys Electronic Desktop SPEOS).
- **Cloud-based 3D results visualization:** In addition to the full interactive in-browser desktop applications, Ansys Cloud also provides a web-based results viewer which allows validate the results of your simulations while your data are in the cloud.

## / Data Security and encryption

Ansys Cloud uses Multi-Factor Authentication login to ensure the best security against hacking.

Our cybersecurity management follows industry guidelines, including ISO and NIST frameworks, for internal assessments. Ansys also work with many third-party assessments and audits throughout the year to guarantee to our customer the market-leading certifications.



Ansys has been issued an SOC 2 Type II certification.

The system is segmented using Network Security Groups and Virtual Networks to ensure confidentiality and integrity. All data, both in motion and at rest, are encrypted. The key pair is fully managed by Ansys for the end user by storing the public and private key in the Azure Key Vault; only the public key is shared. All access to Key Vault is controlled and audited on a periodic basis. We also support AES 256 Encryption and HTTPS TLS 1.2 as standards.

## / Supported Versions

- Support for: Ansys Mechanical / Ansys Electronics / Ansys Fluent / Ansys LS-DYNA / LST LS -Dyna / Ansys Discovery / Ansys SPEOS / Ansys OPTISLANG / Ansys CFX
- From Ansys 2019 R2 to Ansys 2021 R1 and beyond

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