

Powering Innovation That Drives Human Advancement

On-demand simulation with Ansys Software-as-a-Service.

Dr. John Baker

EMEA Cloud Business Development Manager - Ansys

Ansys Cloud Solution



CLOUD OFFERS

Cloud Marketplace – BYOC

Ansys Gateway powered by AWS™

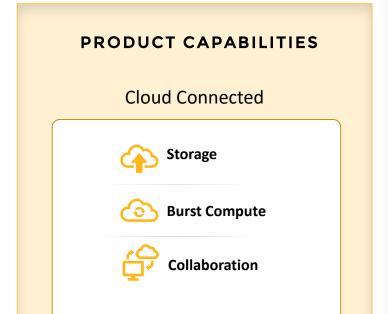
Ansys Access on Microsoft Azure™

Software as a Service (SaaS)

Ansys SimAI™

Ansys ConceptEV®

Ansys Notebook



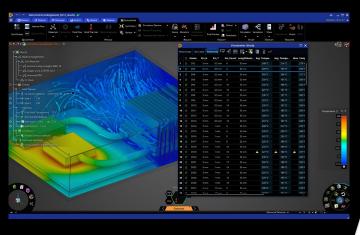
Powering Innovation That Drives Human Advancement



Ansys Cloud - SaaS Offering and Cloud Connected Capabilities

- Fully cloud-native offerings delivered via web browser, accessed via a new subscription model. Our SaaS Offering include products like Ansys ConceptEV[®] and Ansys SimAI™.
 - Cloud Connected Capabilities such as Ansys Discovery Burst ™ allow seamless cloud compute integrated within Ansys Discovery ™.









Why should you care about Ansys SaaS?



Ansys SaaS applications are 100% web applications that can be used anywhere, anytime, and on virtually any device including Macbooks, ChromeBooks, and PCs. Built on the same UI platform, we've created a unified and friendly experience across all applications.



Ansys SaaS solutions easily **grow with your business's needs**. All applications allow **instant provisioning** of new users with just a few clicks. Assign roles, delete users, and transfer accounts within seconds.



Cost

Our web applications are **cost-effective** they eliminate upfront hardware and software costs offering **flexible subscriptions** to meet your business's needs. **One subscription** will give you access to a wide range of Ansys technology.



All applications are built on **industry leading cloud providers** which are heavily invested in security technology and expertise. Data is saved in the cloud allowing **flexible storage management.**



What is Saas and Cloud Connected?



CLOUD OFFERS

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Ansys Gateway powered by AWSTM **Ansys Access on Microsoft** Azure™

Software as a Service (SaaS)

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PRODUCT CAPABILITIES

Cloud Connected

New features embedded in Ansys desktop rich client applications which leverage cloud technologies so you can easily exploit "unlimited" compute, storage, and seamless collaboration.



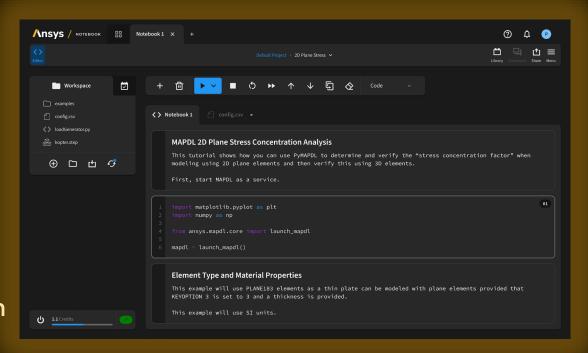
Introducing Ansys Notebook

Currently in Beta

Cloud Native Web App with immediate access to Ansys Solvers

An Ansys Design Language-based Experience Familiar to Developers

- Uncluttered and streamlined UX
- Tuned for Simulation
- Preloaded with PyAnsys Client Libraries
- On-demand product instances on rightsized resources
- Access to the complete Python ecosystem





Ansys Notebook Free Trial?



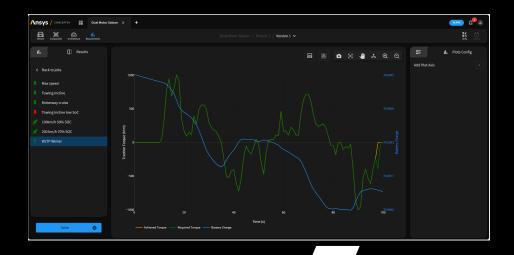
Request Your Free Trial **Today**

Join our Ansys Notebook Limited Preview Beta Program to get access to Ansys Notebook, a cloud-native web development application with immediate access to Ansys solvers.



SaaS products: ConceptEV®





Why?

- New dedicated cloud-native software tool for concept design of electric powertrains
- Enables rapid and collaborative electric powertrain systems engineering at the concept stage

Who is it for?

Targeted at auto OEMs and tier one suppliers.

How to get In?

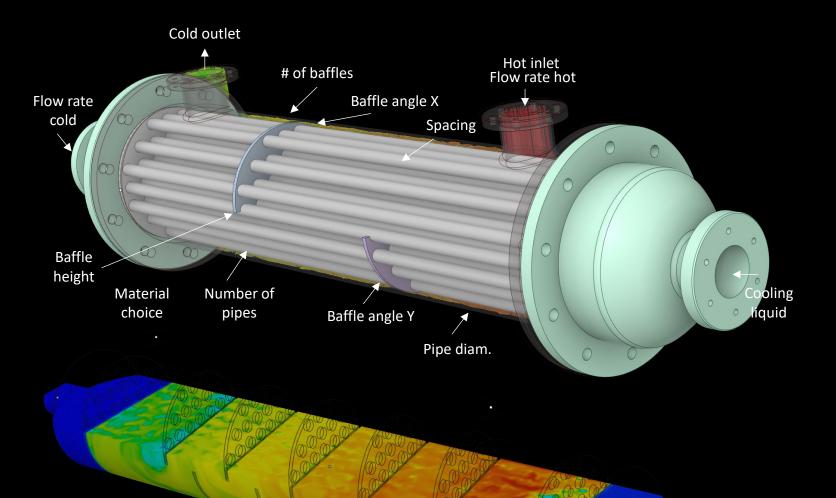
- New subscriptions with add-ons
- Zero-install and free trial for low barrier to entry

What it is?

- Ansys ConceptEV is a cloud-based design & simulation platform for the concept design of EV powertrain
- System & Component Design engineering teams can collaborate on a shared system simulation connected to requirements from the start of the design process



Scenario: Industrial Heat Exchanger



Goals:

- Maximize heat transfer
- Minimize pressure losses
- Increase sustainability

How to explore this design space?

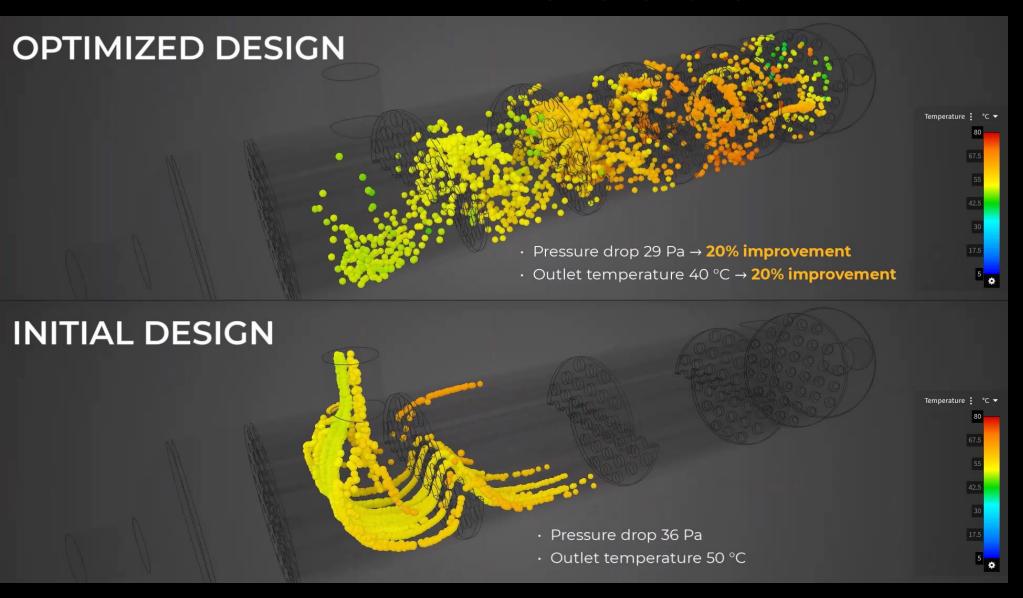
10 parameters to study 5 values each

9.77 million simulations

Not Feasible



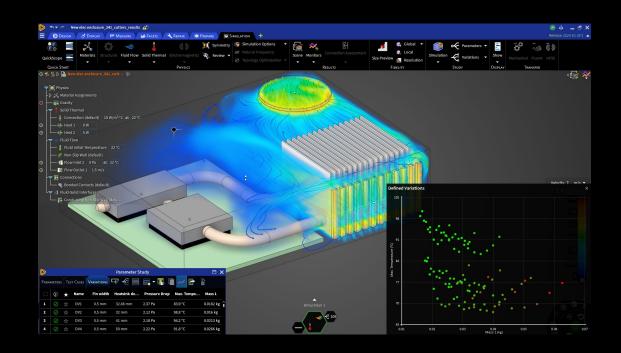
Demonstration





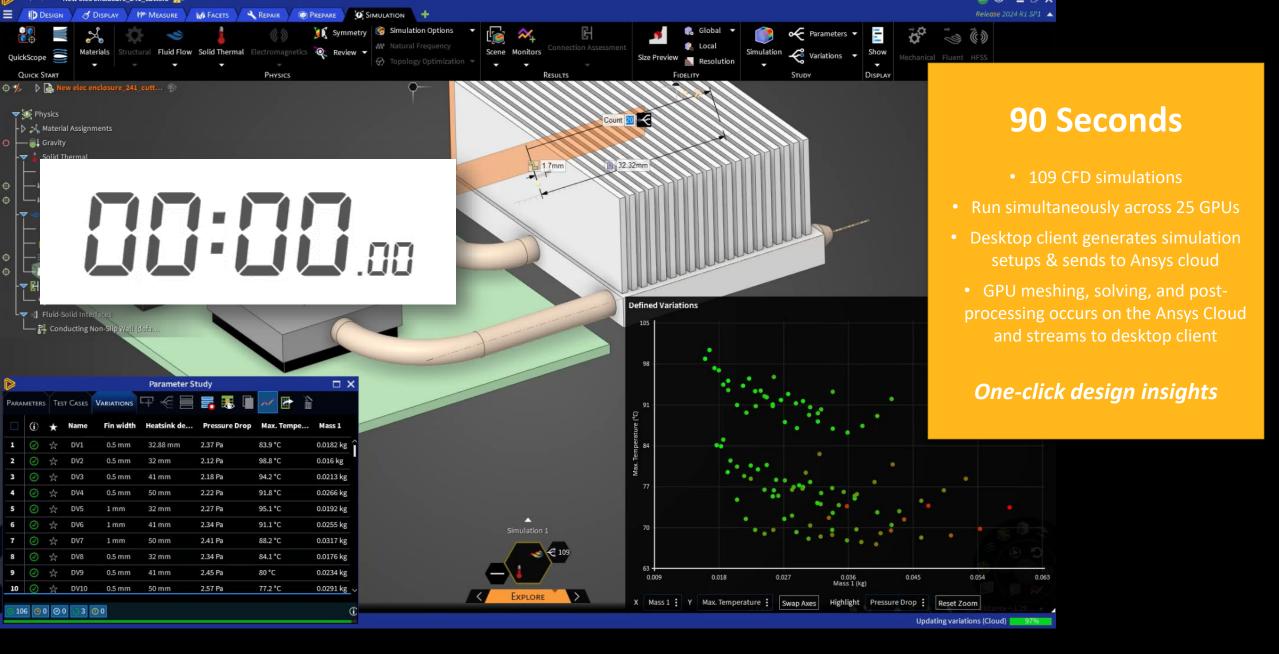
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Let's see that again











Ansys Discovery Burst™ to Ansys Cloud

What

High performance scalable cloud compute service tightly integrated to Ansys Discovery desktop application

Value Proposition

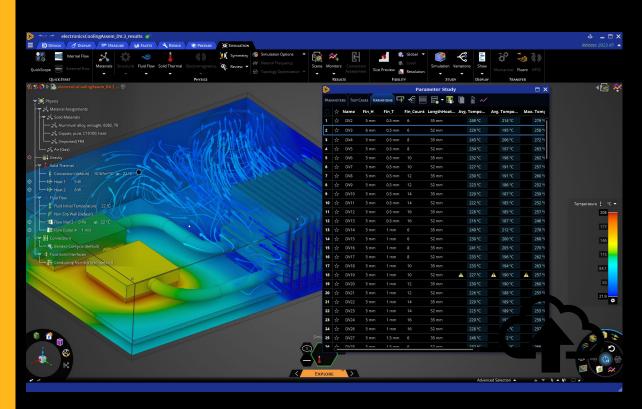
Run 1000 simulations in 10 minutes

Target Use Cases

Existing Discovery customers looking to accelerate workloads, increase innovation, & reduce complexity. DoE, optimization, sensitivity studies, AI/ROM

Critical Features

Zero IT deployment or overhead Available whenever you need it Flexible consumption-based pricing Supports all Discovery GPU physics



Cloud-connected Discovery

Seamless cloud compute integrated within Ansys Discovery™



Insys