

# *SyncHPC:*

A Multi-cloud HPC Hosting Platform

**SYNCIOUS**

# Need of Cloud HPC Infrastructure

To

DESIGN,  
SIMULATE,  
ANALYZE RESULTS

Using

HIGH-END APPLICATIONS,  
BIG DATA  
ANALYTICS SOFTWARE

For

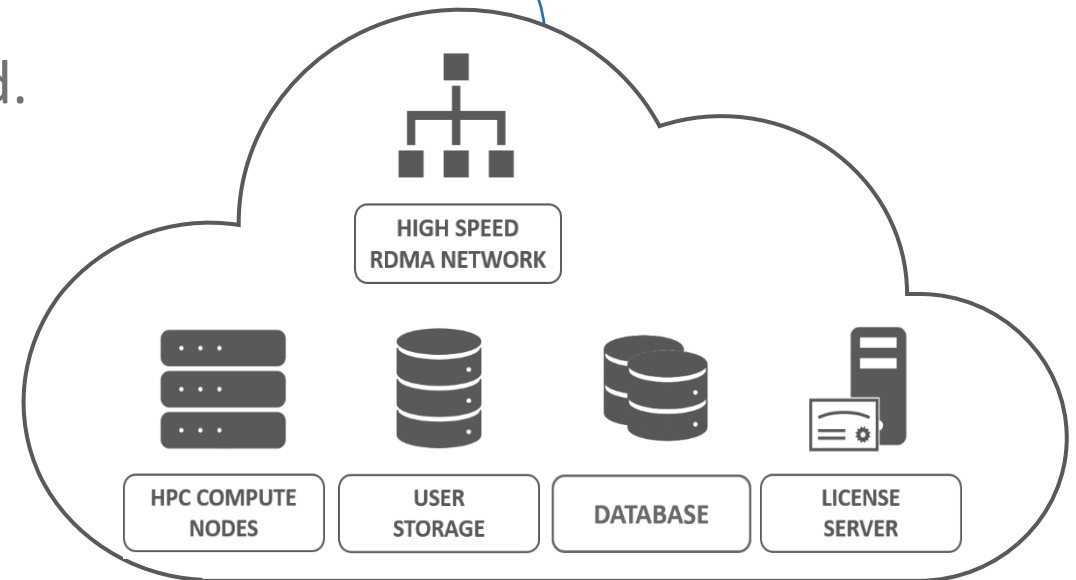
AVOIDING DOWNTIME,  
SAVING BUDGET,  
BUSINESS CONTINUITY PLAN,  
IMPROVE ACCURACY

‘INSURANCE’ of Cloud-HPC for any scale & any project at any time.

# Cloud HPC Infrastructure

It is a strategy for getting HPC assets in the cloud.

- On-Demand 'Pay-As-You-Go' Model
- Provides Flexibility & Mobility
- Virtual Machines For Pre & Post-Processing



# Expenditure: On-Premise HPC Vs. Cloud HPC Infrastructure

Capital Expenditure

## On-Premise HPC

- Hardware,
- Software,
- Hardware Installation

- AMC
- Software Subscription
- Patch Management
- Hiring HPC Expert
- Downtime Service
- Real Estate, HVAC and
- Electricity Power



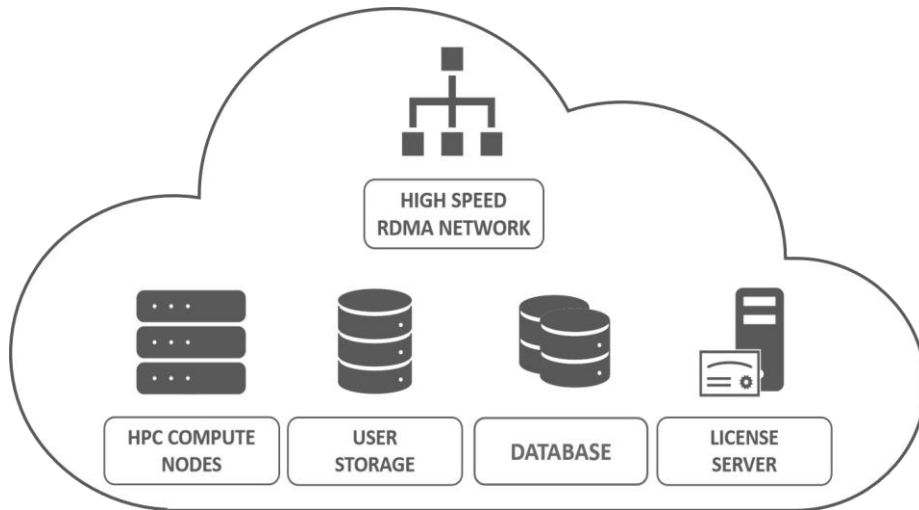
## Cloud HPC

- System Execution
- Core-Hour Price

Operational Expenditure

# Need of Cloud HPC Hosting Platform

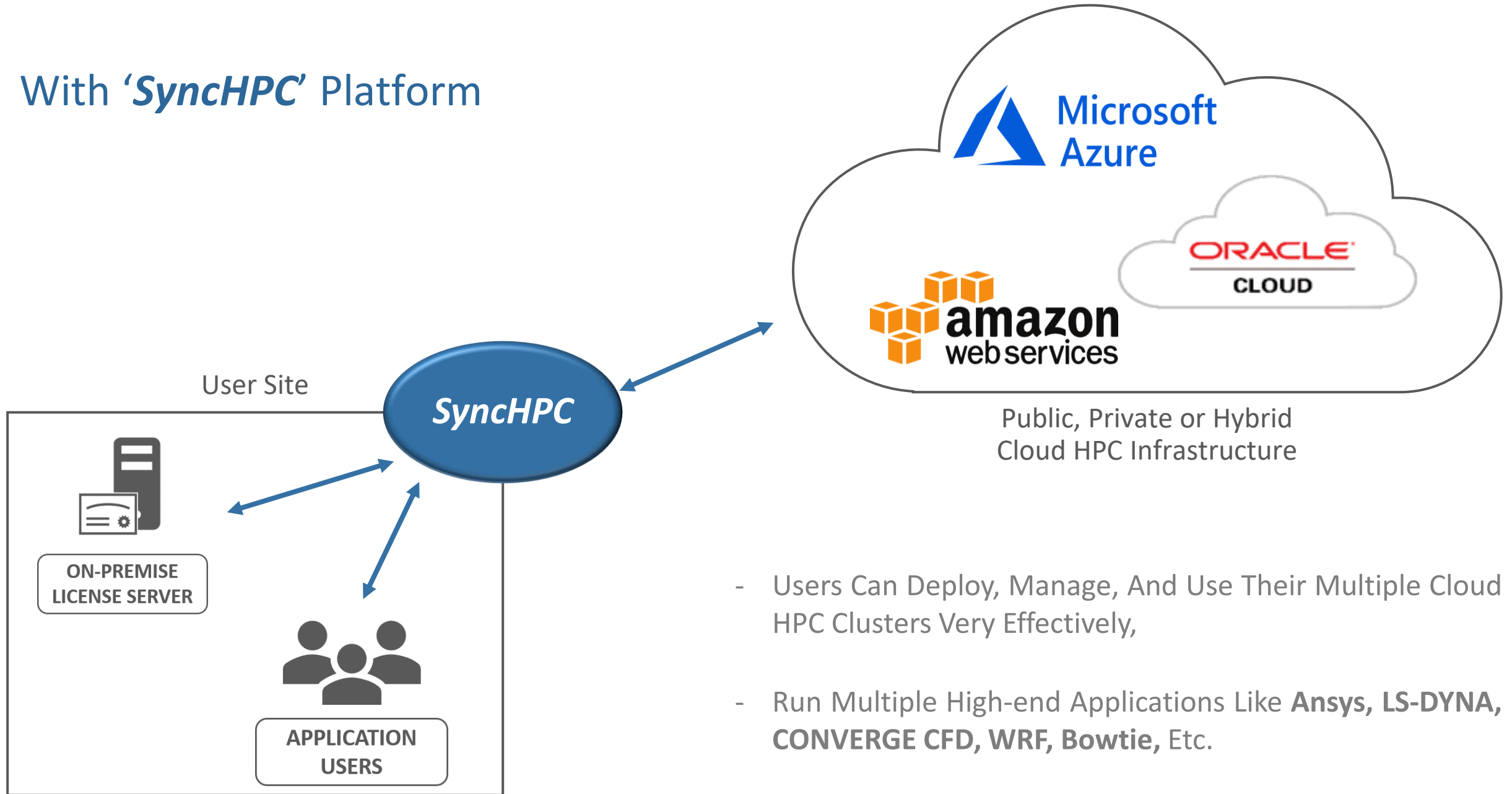
*To access all Cloud HPC assets very effectively*



***'SyncHPC' by Syncious:***

- A Multi-cloud HPC Hosting Platform,
- Helps To Access All Cloud HPC Assets,
- Web Application

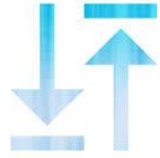
## With 'SyncHPC' Platform



## 'SyncHPC' Platform Features:



Automatic HPC  
Deployment



Scale-Up And Scale-  
Down As Required



Highest Security  
(ISO 27001:2013)



Bring Your Own License  
From On-Premise



NAS And Parallel  
Filesystem Support



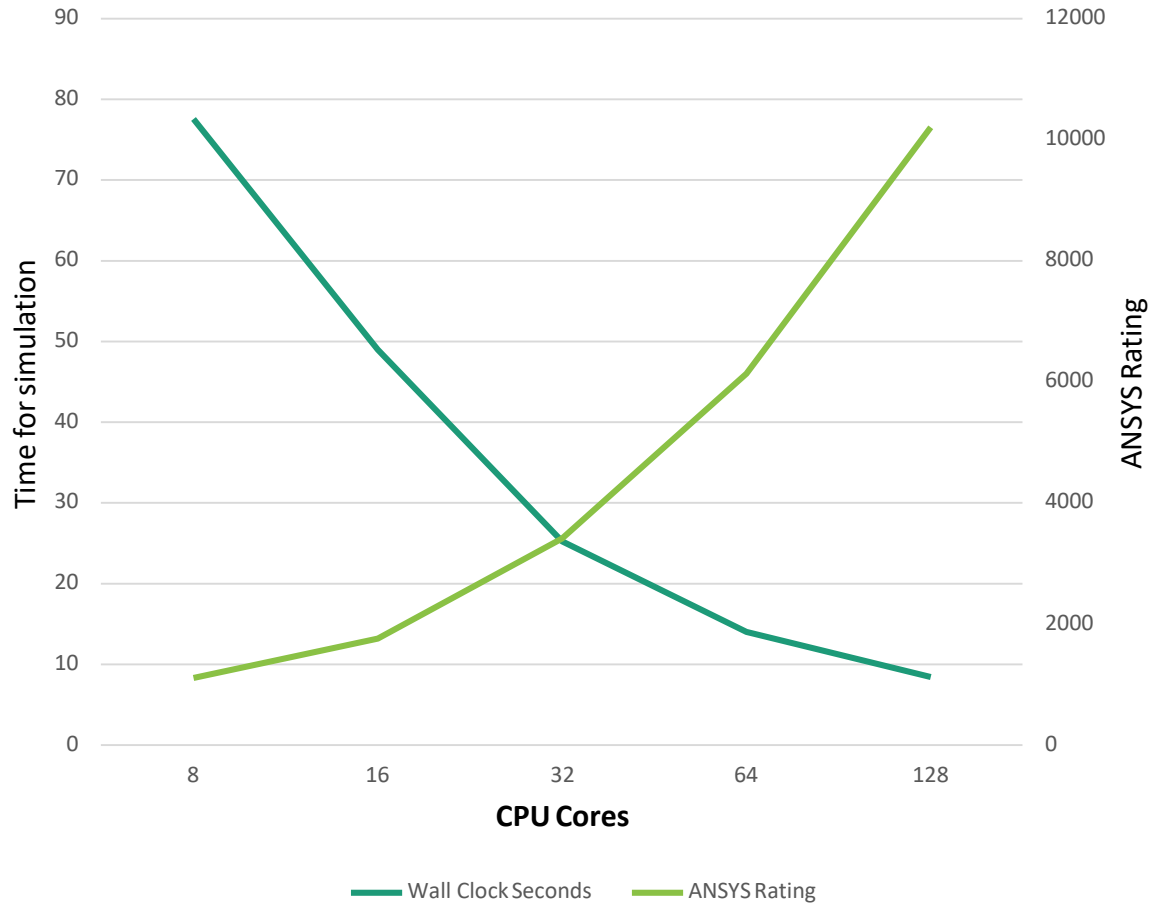
User Data Management



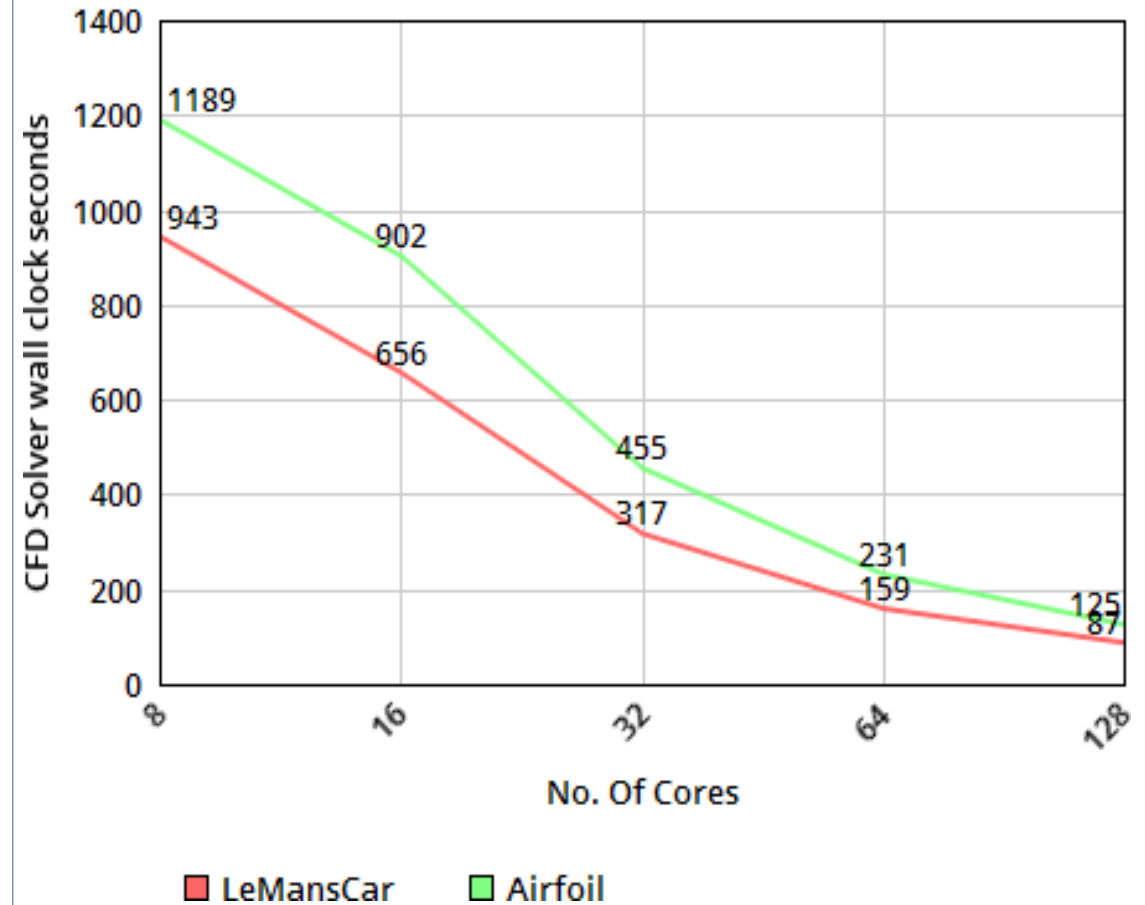
Job Scheduling

# Application Performance on '*SyncHPC*'

### ANSYS Fluent (Sedan\_4m): SyncHPC Performance



### SyncHPC Performance For CFX





# Clients Are Utilizing These Notable Applications With '*SyncHPC*'



CFX



Fluent



HFSS



Mechanical



SPEOS



LS-DYNA



STAR-CCM+



CONVERGE CFD



Abaqus



OpenFOAM



Radioss



nanoFluidX



WRF



Bowtie



GROMACS



NAMD



Blender



OPM Flow

And Many More....

# SYNCIOUS

Syncious is a team of High-Performance Computing (HPC) experts with multiple HPC hosting platforms.

We have deployed multiple HPC clusters in cloud from 64 CPU Cores to 2000 CPU Cores to many research institutes and enterprise-class organizations.



**Leaders in HPC with  
Multiple US Patents**



**Security Compliance:  
TUV NORD ISO/IEC 27001:2013**

**Ansys**

**Microsoft**

**ORACLE**

**Preferred Cloud  
Solution Partner**



[www.syncious.com](http://www.syncious.com)

## Syncious Systems Private Limited

401, Snehraj Tower, Behind Volvo Showroom,  
Mumbai- Bangalore Highway, Baner, Pune-411045.

### Contact Person:

Ajinkya Muley | Technical Sales Specialist

+91 738 538 1511 / +91 955 255 4253

[ajinkya.muley@syncious.com](mailto:ajinkya.muley@syncious.com) / [info@syncious.com](mailto:info@syncious.com)

 / [Syncious](#)

 / [SynciousApp](#)

 / [Syncious Blog](#)

 / [Syncious](#)