

Nimbix Supercomputing Suite

World leader in hybrid HPC

Atos science + computing
November 2022



Enterprises need more Compute Power

Turning to Cloud

Engineers and data scientists are encountering significant computing bottlenecks for data and compute intensive applications.

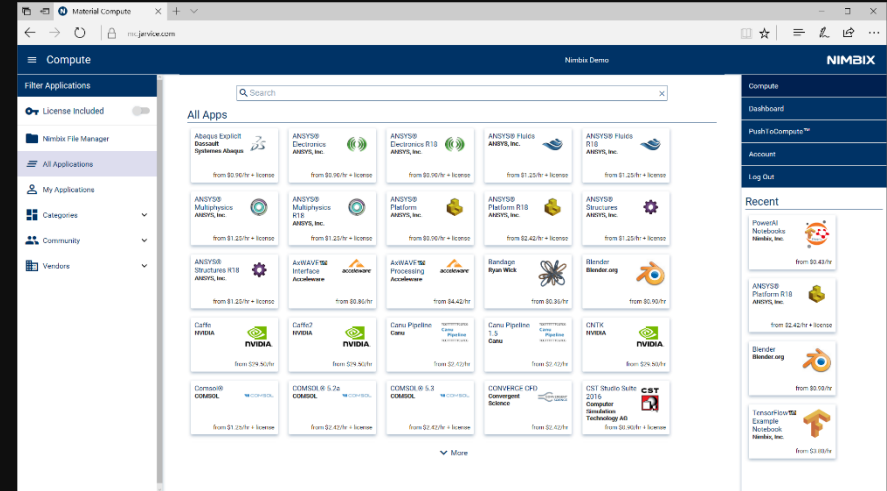
- Computer workstations are insufficient
- In-house clusters may need modernization and/or cloud augmentation
- CSP IaaS offerings can be difficult and complex to use for advanced HPC apps, optimized for IaaS – not SaaS



Introducing Atos Nimbix

Global Elastic Supercomputing as a Service

- Point and Click Supercomputing on-demand
- Purchase Compute, Storage, Support and/or ancillary HPC services at any scale
- Fully elastic pay-as-you go consumption or reserved capacity in dozens of regions around the world
- Optionally federated existing CSP accounts to Atos Nimbix
- Dedicated Bare-Metal HPC on or off prem
- Sovereign cloud deployments



- **Optimize on-premises system-size for maximum usage**
 - All variable capacity is being externalized to cloud
 - No need to plan for peak loads capacity and provision rarely used nodes
 - Cost savings through payment only for used capacity
- **Total flexibility for various burst strategies**
 - Possibility to chose a preferred hyperscaler(s)
 - Various business models (reserved, spot, on-demand, ...) help optimize costs
 - Burst to an other private cloud is feasible
- **Global job management**
 - Transparent
 - Easily and flexibly reconfigurable
- **Extremely easy testing of new hardware platforms**
 - CPUs, GPUs, FPGAs,
- **Convergence of HPC and secure cloud platform**



Atos Nimbix for HPC Cloud

Run Workloads in Minutes

Login
to your NIMBIX Account

Upload
your files

Select
your application

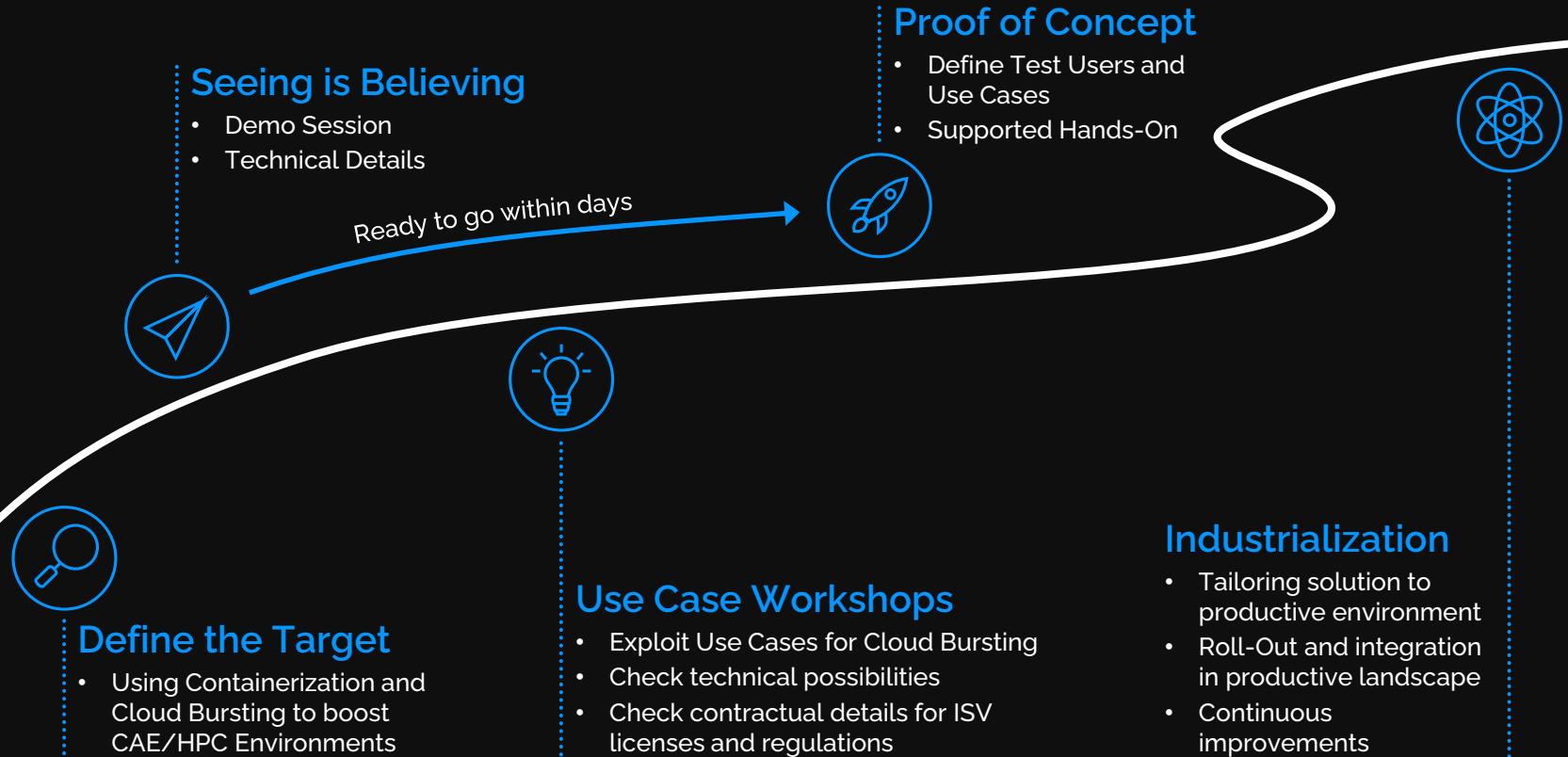
Choose
your machine type
and number of cores

Run
your workloads

- Login and run workloads from any device
- Exceptionally clear and easy to use interface
- Multiple users can easily collaborate through advanced team features
- Scale applications as needed
- Seamless global updates of both platform and applications
- Access to hundreds of applications and workflows through the HyperHub Application Marketplace

The Nimbix Journey

What's next?



Thank you!

For more information, please contact
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