

A hand is shown from the bottom left, reaching upwards towards the sky. The background is a clear blue sky with scattered white clouds. The hand is positioned as if reaching for something high in the sky, symbolizing aspiration or reaching for the cloud.

# **NIMBIX**

Accelerated Compute Cloud

**NIMBIX**

# About Nimbix

- Founded in 2010
- HQ and Data Centers in Dallas, TX Area
- HPC Cloud Platform built for High Performance Computing:
  - Energy
  - Media and Entertainment
  - Life Sciences/Bioinformatics
  - Computer Aided Engineering (CAE)
  - Big Data/Analytics



# Built to Solve Emerging Problems

“The problem is about **Data Processing** and addressing constraints around computing scale and availability”



Insatiable demand for computing time



More machines needed for a given problem (ie Big Data)



More companies with big data, big compute problems

# HPC Solution Options

## Example Workloads

### Build



- Increased complexity for big data/computation
- Requires High Performance Computing know-how
- Capex Constraints

### Life Sciences

- Bioinformatics
- Next Gen Sequence Analysis

### Media & Entertainment

- Video Transcoding
- Rendering

### Manufacturing

- Computer Aided Engineering
- Fluid Dynamics
- Simulation

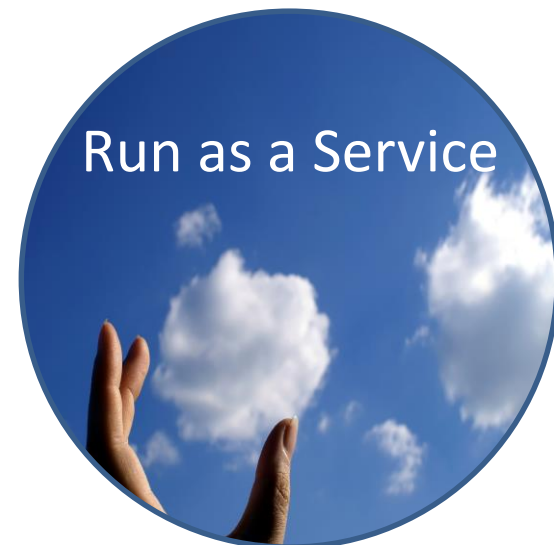
### Analytics

- Hadoop
- Predictive Algorithms
- Data mining

### Oil & Gas

- Seismic Processing
- Reservoir Simulation

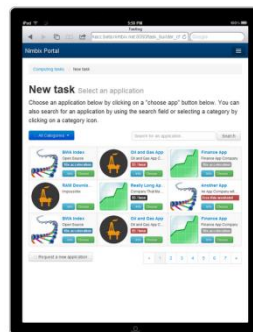
### Run as a Service



- Current cloud virtualization inefficient for HPC and batch processing
- Need bare metal machines
- Current clouds difficult to deploy batch workloads

# Nimbix Accelerated Compute Cloud (NACC)

- **Patented** Reconfigurable Cloud Computing
- Bare-metal Performance
- Heterogeneous Accelerators
- Pay-per-use service delivery



User submits large Processing Task via web application from any device

WORKLOADS  
Bioinformatics, Transcoding, Simulations,  
Rendering

Nimbix Cloud Platform

Intel®  
Xeon  
Phi™

FPGA

GPGPU

DSP

CPU

# NIMBIX

Supercomputing Made Super Human™



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