



Santa Fe, New Mexico
April 1-3, 2019

Technology Vision

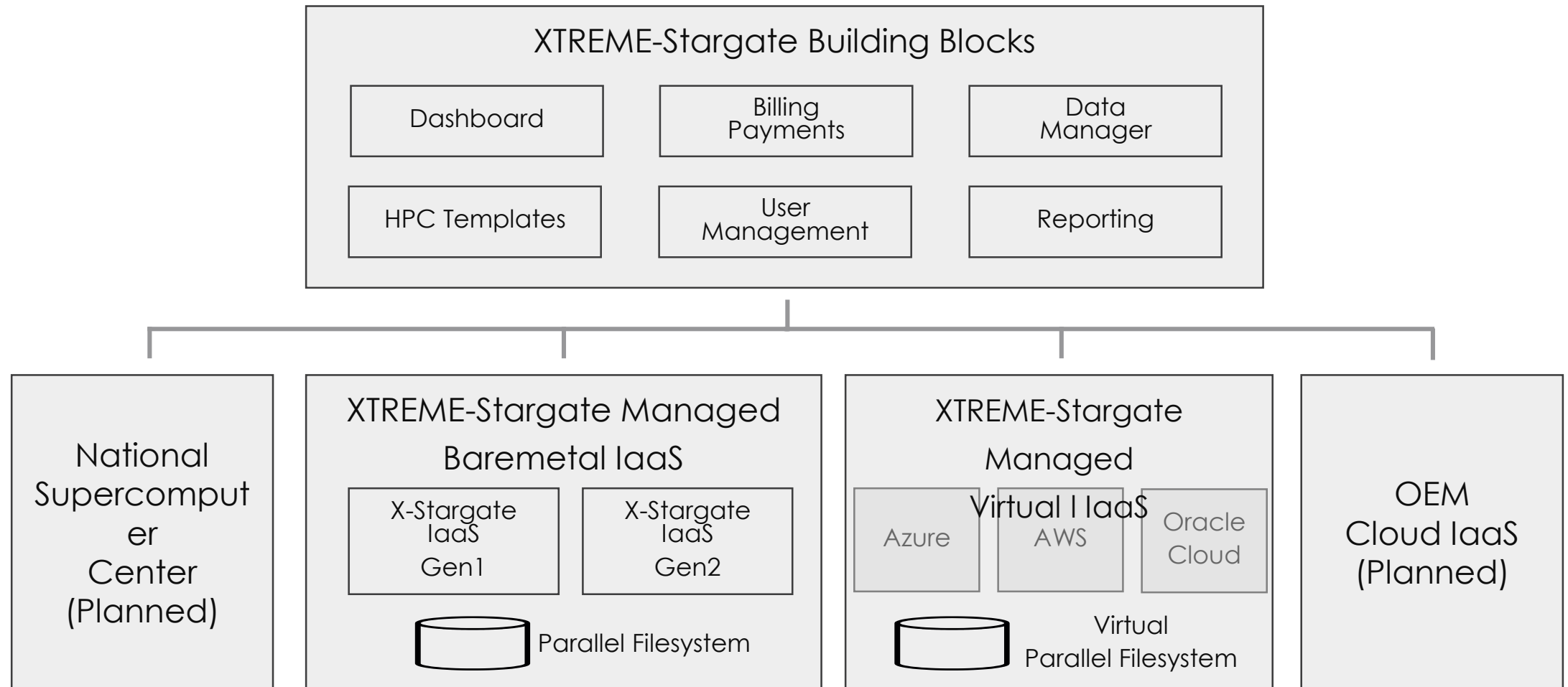


Easy-to-Use
Pre-built Customized
HPC Systems

- For End Users, Application Developers
- Pre-configured HPC IaaS
- Secure Gateway and I/O Framework
- Robust UI/UX and API



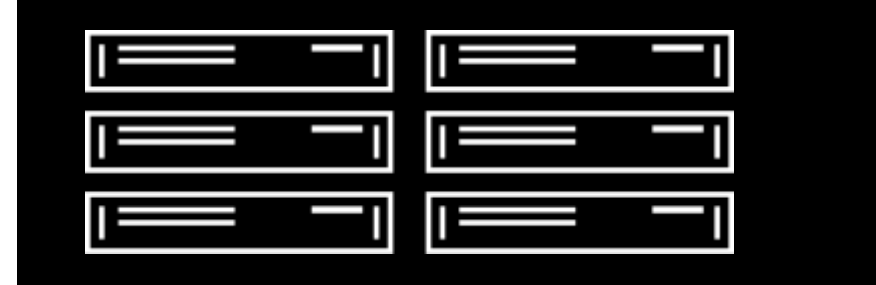
The New Era of HPC Cloud Platform



XTREME-Stargate Main Components



XTREME-Stargate Dashboard
+ HPC Templates



XTREME-Stargate IaaS
(Intel Powered HPC Instances)

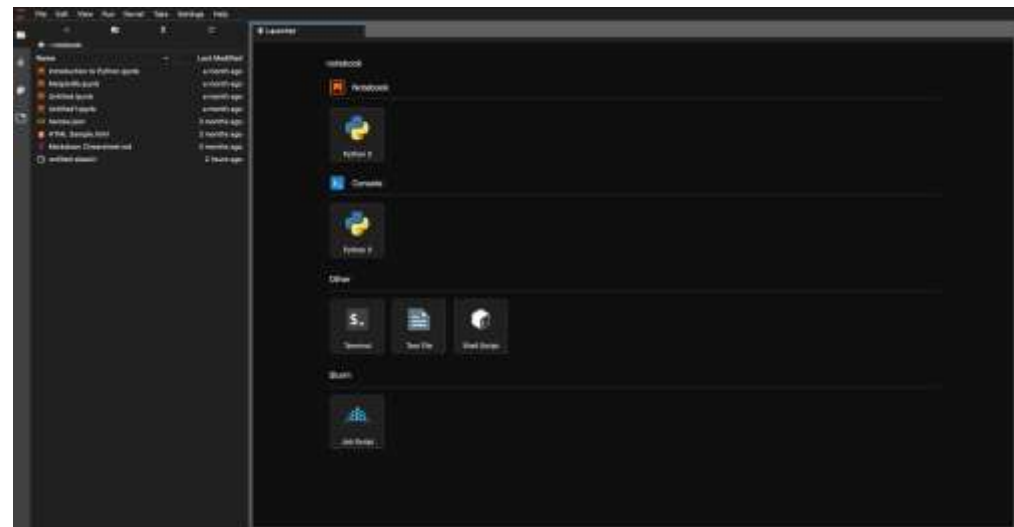
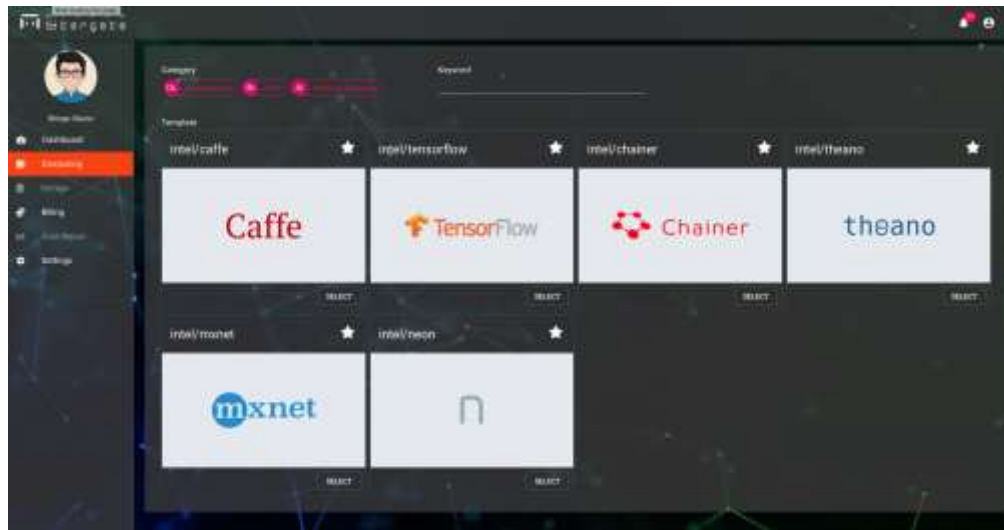


XTREME-Stargate HPC Gateway
XTREME-Stargate Secure File I/O
(2019 H2-)



Setup time: From weeks to Minutes

Simple and Robust Web UI



XTREME-Stargate Custom-made Pre-Production IaaS H1 2019

- Hardware Details -

	<u>X-Stargate IaaS G1</u>	<u>X-Stargate IaaS G2</u> (Early Access Available from TODAY!!)
CPU Type	Intel Xeon Gold 6148 (2.40GHz, 20Cores)x 2 128GB MEM (DDR4-2666)	New Intel Xeon 6230 (40cores per node) 192GB MEM (DDR4-2993)
Max CPU Cores (Per Users)	320 Cores /user	960 Cores /user
Inter Connect	Omni-Path 100Gbps	Omni-Path 100Gbps
Parallel File System	BeeGFS	BeeGFS
White River Glacier I SSD (Pre-production Model)	32TB/ user	-
White River Glacier II SSD	-	- Planned -
Persistent Memory DDR4	-	- Planned -

XTREME-D's Pre-Build HPC Managed Cluster Instances Line-Up

Designed and prepared by XTREME-D



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Full Power, Large Memory, Designed by XTREME-D
For HPC and AI Data Analytics and Gaussian/Gaussview



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Virtual Cluster Designed by XTREME-D
Cost Effective, GovCloud (US) Region Available



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Baremetal Cluster Designed by XTREME-D
GPU, ROCE, Reasonable Data Downstream Fee



.....
Virtual Cluster Designed by XTREME-D
GPU, InfiniBand, LowCost Instance

Come and watch a demo, get more details at
the XTREME-D table



XTREME-D

The logo features a stylized 'X' on the left, composed of two white chevrons pointing towards each other. To its right is a red 'E' shape, also composed of two chevrons pointing towards each other. The background is a dark server room with rows of server racks and glowing lights.

and come catch us around:

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