

Accelerate innovation and discovery with HPC solutions from HPE

The exascale era presents new possibilities

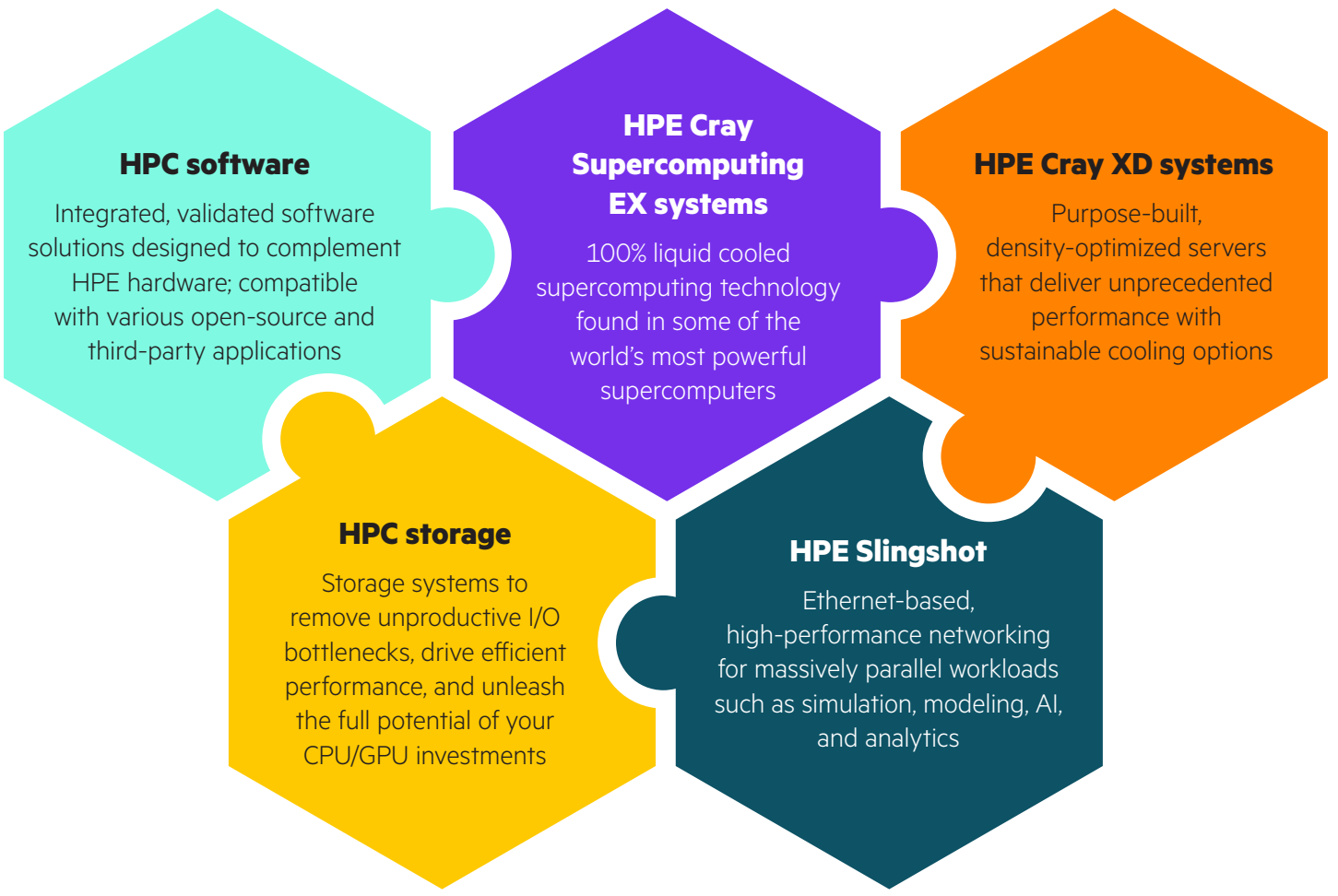


Exascale supercomputers can process one quintillion or a billion billion operations per second—that's 18 zeroes!

How big is a quintillion?

Picture this: If you start counting one number per second, it'll take you almost 32 billion years to count to one quintillion!

Tap into the power and potential of exascale-class technologies from HPE



#1

on the TOP500¹

Oak Ridge National Laboratory's (ORNL) Frontier supercomputer built by HPE with AMD at 1.206 exaflops of performance

#1

on HPL-MxP²

Argonne National Laboratory's (ANL) Aurora supercomputer built by HPE with Intel® at 10.600 exaflops of performance

#2

on the GREEN500³

The University of Bristol Isambard-AI phase 1 built by HPE with NVIDIA® at 68.835 gigaflops/watt energy-efficiency

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More accurate weather forecasting



Manufacturing
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Health and life sciences
Faster drug discovery



FSI
More profitable trading



Transportation
Safer autonomous vehicles



Energy
Faster exploration and generation



Leap ahead of the competition with our leading supercomputing technologies.

¹ top500.org/lists/top500/2024/06/

² top500.org/news/frontier-keeps-top-spot-aurora-officially-becomes-second-exascale-machine/

³ top500.org/lists/green500/2024/06/

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