



TurbOS™ Secure HPC

Hoonify Technologies, a trusted U.S. National Security partner, boosts the performance of parallel computing codes, (e.g., MCNP, CTH), and AI/ML algorithms with its Linux-based operating system, TurbOS. TurbOS simplifies cluster management and optimizes CPU and GPU resources to achieve supercomputer-level performance. TurbOS is available in secure cloud, on-premises, or hybrid setups. When used on-premises, TurbOS transforms standard computers into efficient supercomputing clusters, offering high performance at a fraction of the cost and time of traditional HPC solutions. TurbOS is proven within U.S. National Security programs and is designed to support strict cybersecurity requirements including NIST and DoD standards.

TurbOS Value & Benefits



Problem Solving Performance

Use optimized tools for pre- and post-processing of your workloads



Faster Results

Up to 150% performance gains using our proprietary optimizations



Accessible AI

Leverage modern AI apps to quickly create innovative solutions and amazing results



More Compute

Quickly add extra compute resources to scale your resource pool - including office workstations!



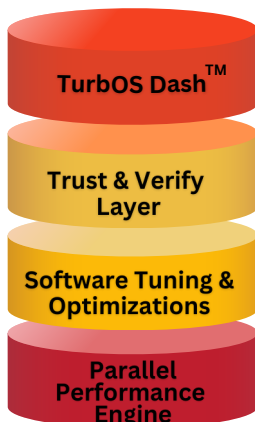
Lower Support

TurbOS streamlines usage and support for high performance clusters, saving you money

Go Faster with TurbOS

On-Premise or Remotely

With decades of experience in National Security and High Performance Computing, Hoonify's experts have developed a powerful platform for faster parallel computing and AI/ML processes. Hoonify's TurbOS offers easy-to-use, secure supercomputing at your fingertips through Hoonify's private cloud solution or on-premises using your own hardware. It provides faster high-fidelity modeling and simulation and accelerated AI/ML analysis, especially when data sensitivity is paramount. TurbOS includes a user-friendly dashboard that simplifies supercomputing administration with both private cloud and on-prem solutions.



TurbOS Features

- **TurbOS Dash** provides simplified viewing and management of resources, job status, and more.
- **Trust & Verify Layer** contains the software to verify and validate that your results are accurate and replicable.
- **TurbOS' Software Tuning & Optimizations** contains the utilities, compilers, and packages needed for supercomputing performance on Intel x86 and NVIDIA CUDA architectures
- **Hoonify's Parallel Performance Engine** enables MPI-Parallel and NCCL-Parallel with available CPUs and GPUs to experience superior performance and efficient utilization with job schedulers (e.g., SLURM)

Contact Us



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SAM UEID: WYT1BUZ8SF71, DLA Cage Code: 9BTA4

NAICS Codes: 541512, 541519, 541511, & 541990



Trusted for National Security

Hoonify Technologies, trusted for U.S. National Security, is endorsed by Oak Ridge National Laboratory's Radiation Safety Information Computational Center (RSICC) as the only private server operator in the U.S. providing access to the MCNP® Monte Carlo code. Hoonify meets key cybersecurity standards, including NIST 800-171, ensuring secure access to export-controlled and industry-critical applications for national security and commercial research. Whether using your on-premises hardware or Hoonify's private hosted supercomputers, TurbOS ensures a secure and seamless experience.

Hoonify Technologies' Security Certifications



Staff Clearance

Hoonify staff members maintain active Security Clearances



800-171

National Institute of Standards & Technology

U.S. Dept. of Commerce



U.S. Department of Defense DD-2345

United States
Department of
Defense, DOD
Security Clearance



ASME NQA-1

American Society of
Mechanical Engineers,
ASME | Nuclear Quality
Assurance, NQA
(In Process)

Hoonify's Three C's

1. Connect

Easily connect to secure HPC clusters running TurbOS for immediate problem solving

2. Capture

Capture faster results with your critical applications using TurbOS' advanced optimizations

3. Complete

Achieve faster value with TurbOS by converting your results into revenue

TurbOS™

POWERED BY



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