

The HPC Cloud for Weather Science

Scala Computing provides weather scientists with simplified, on-demand access to the high-performance computing (HPC) infrastructure they need to run their simulations and forecasts.

Our secure, performant, and hyperscalable cloud-based HPC platform decreases costs and accelerates time to results for weather scientists and forecasters.

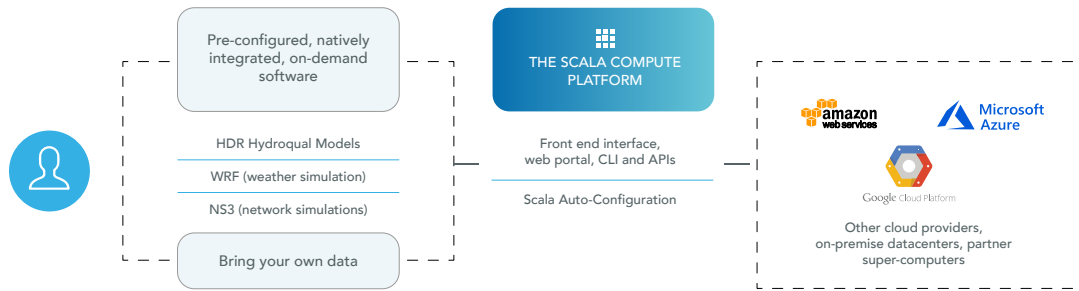
Scala Computing, in collaboration with the National Center for Atmospheric Research, is developing new cloud capabilities for the widely-used WRF and MPAS models for weather prediction on Scala's cloud infrastructure platform.



“The Scala Compute Platform offers end-to-end functionality for weather forecasting firms and atmospheric research groups to migrate, run, and manage the WRF application in the cloud.”

The Scala Compute Platform

The Scala Compute Platform provides meteorology and climatology organizations with scalable HPC performance needed to power their models for accurate and timely predictions



We remove the cost and complexity of managing specialized computing infrastructure, enabling our clients to focus on their weather science, not their compute requirements



Increased Capacity

Run HPC applications in the cloud to access virtually unlimited computing resources, ideal for surge or heavy workloads.



Decreased Costs

Reduce capital and operational expenses from acquiring and maintaining costly on-premise HPC infrastructure.



Access Anywhere

Submit and monitor your HPC jobs anywhere there is an Internet connection with our web-based job submission portal and remote visualization tools.



New Workload Classes

Access specialized hardware, software, or other computing resources which may not be available in your on-premise datacenter or cloud provider.



New Testing Environments

Leverage the cloud to access a vast testing environment for new development projects and applications.



Cloud Security

Get one of the most secure cloud experiences available with Scala Computing's strict data protection solutions and industry-established best practices.

Key Benefits

- **On-Demand Availability**
Zero queue time across all your HPC workloads
- **Built for the End-User**
Utilize our platform directly with streamlined end-user workflows and automated optimization that requires no additional DevOps support.
- **Flexible Provisioning**
Leverage elastic scaling that automatically right-sizes high-performance computing resources across your application's demand cycles.
- **Reliable and Secure Performance**
Access a diverse set of infrastructure globally, tailored to your application's unique requirements and supported by dependable security features.
- **Expertise with Weather Science on the Cloud**
By working with Scala, customers are partnering with the leader in weather forecasting on the cloud and can leverage our experience and expertise in this domain.

Representative Customer Use-Case



Skymet weather uses the Scala Compute Platform for running their daily WRF and MPAS simulations. With our platform, Skymet increased the scale and resolution of their simulations by a substantial margin and avoided having to procure an on-premise system, saving them 80%+ on cost.

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