



## Scala Compute Platform

The Scala Compute Platform is the core product for ns-3 discrete event network simulation and the product users, who are members of the MDSP Consortium, would obtain in order to perform simulations from small end-point counts to data center scale.

### Features include

- MDSP Consortium ready to gain access and run Consortium vendor models
- Web based user interface
- 24/7 availability
- Compute on demand
- Pre-processing engine to easily configure your workload and topology for simulations
- Post-processing engine to view your simulation data in real time displaying charts and graphs
- Deployer for spinning up clusters to run simulations
- Logging (platform, project and simulation information)
- Notifications / Alerts on platform and projects including project completion
- Disaster Recovery
- Security
- Multi-User
- 300 GB of networked primary storage (expandable)
- 1.5 TB of archival storage (expandable)



## Scala Development Platform

The Scala Development Platform for ns-3 is a development tool used by developers or contributors of models to the Consortium. Models created on the Development Platform can be transferred in binary format to the Consortium Global Repository used by the Scala Compute Platform.

### Features include

- VSCode support for code debugging
- Source code is secure and never accessed or seen by the Scala Compute Platform
- Single Core instance for simulating model being developed
- Unlimited simulation capabilities with no additional compute charges
- Test your model with provided generic Scala Computing Models



## Scala Analytics Platform

The Scala Analytics Platform for ns-3 allows users to build a highly scalable and customizable Analytics solutions outside the standard solutions provided by Scala Computing in the Data Science post-processing solution of the Scala Compute Platform. This platform supports powerful, programmable visualization features of your simulation data from the Scala Compute Platform.

### Features include

- Python based data science toolkit with IDE
- Integrated graphics and visualization tools
- Tightly integrated with active simulations so engineers can quickly gain insight in real time.
- Multi-CPU toolkit allowing for efficient data processing for large data sets
- Collaborative environment allowing multiple users to build insight reports together
- Robust examples are provided to reduce the learning curve for new users.



## Scala Wireshark Platform

The Scala Wireshark Platform for ns-3 is a protocol analyzer for simulations run on the Scala Compute Platform. It would be mainly used by model developers or Consortium contributors where all netdevice points of their models can provide at output file to the Wireshark Platform.

### Features include

- Tightly integrate desktop so developers can evaluate PCAP files in real time.
- Full Wireshark Capabilities such as;
  - Deep inspection of multiple protocols
  - Powerful display filters
  - Coloring rules for intuitive analysis
- Collaborative for multiple users



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