Efficient Communication for Large Scale Systems

MRNet: Multicast/Reduction Network

Additional Information:
- Linux APIs
- Time-based, data-oriented
- Encryption classes
- Customized network tools
- Min. Max. Flink AVG
- Name Netflows

MRNet Features:
- Tool-specific features can be added into the data flow.
- Group communication
- Data can be sent to a common buffer for all devices.
- C++/Java APIs for integration into tool.

MRNet APL

Open-Source Licensing:
- Different aggregation schemes
- Concurrent data channels with control
- Efficient multicast for scalable high-throughput data transfers
- Built-in filters for elementary data aggregation
- Dynamic loading of user-defined functions
- Flexible process-free topologies

Overview:
- MRNet improves tool performance by distributing data processing and analysis

MRNet Overview