Examples of target applications:

- A parallel linear system solver on a commodity cluster
- A parallel rendering application running on a network of workstations
- A scientific simulation running on a multi-site high-end grid platform
- A network monitoring application running on a wide-area network
- A peer-to-peer file-sharing application running on volatile Internet hosts

Features

- Fast and accurate simulation capabilities (SURF)
- Ability to run the same code in full or partial simulation mode or in real-world mode (GRAS, SMPI)
- An API for rapid application prototyping to test and evaluate distributed algorithms (MSG)
- Only in simulation mode
- An API for application development to obtain fast, robust and portable application code (GRAS)
- Either in simulation or in real-world mode
- An API for MPJ application simulation to study the effect of platform heterogeneity (SMPI)
- In partial simulation mode