The Blue Cheetah ecosystem

Productivity for Cloud Computing

"It will revolutionize the world of computing"

Dr. Gene Amdahl,
Author, Amdahl's Law

A software ecosystem that dramatically improves productivity: system efficiency, software developer productivity, and user experience in a Cloud Computing environment.

The Blue Cheetah ecosystem is used to collaboratively design, develop, optimize, test, and deploy highly optimized applications for massive multi-player gaming, cloud computing, business analytics, or scientific simulations and engineering analysis.

A New Approach for a New Era
Application development and deployment environments have struggled to break free from the requirements of an older simpler era. But the increasing complexity of managing technical and business issues is a staggering burden that holds back creativity and discourages progress. Industry experts know that eventually a fundamentally new approach is needed to ignite the industry. The Blue Cheetah ecosystem is that fundamentally new approach that we all know is needed to really improve productivity.

User Experience
Functionality
Speed

Infrastructure Efficiency
Parallel Processing
Extreme Scale
Cloud Computing

Developer Productivity
Automation
Collaboration
Optimization

App Store
License Mgmt
Payment Processing

Resource Mgmt
Efficient Performance
Checkpoint / Restart

Component Store
Monetization
Digital Rights Mgmt
The Blue Cheetah ecosystem is comprised of the following modules:

- **New Codes**
- **New Communities**
- **Existing Codes**
- **Quality Test**
- **Parallelization**
- **Execution**
- **End Users**
- **App/Algorithm Stores**
- **Advanced Firmware**

**Highlights:**
- Collaborative Software Design
- Semi-Automated Application Development
- Automated Parallelization
- Application Deployment
- Auto-testing & Profiling
- Run-time Resource Allocation
- Application Store
- Automated Revenue Distribution
- Design Sharing
- Code Function Sharing (not necessarily open source, you control your IP)
- Online GUI Documentation

To become a beta-site contact us at [Sales@MassivelyParallel.com](mailto:Sales@MassivelyParallel.com)
Today's application software developers must be prepared to:

• Collaborate with loosely organized developers across the globe
• Extract performance from multi-core and multi-cluster systems by writing efficient parallel code and utilizing advanced parallelization techniques
• Manage licensing models and protect digital rights of their creations as well as those of any modules they have incorporated into their application
• Interact with an App store to monetize their applications in the cloud and equitably share revenues among rights holders
• Conform to resource allocation regulations imposed by infrastructure providers
• Quickly leverage new ideas and modules that become available
• Manage their existing code-base and easily merge it with novel new ideas
• Interact with artists, accountants, attorneys, and other "non technical" groups

In short, application software developers do not need only compilers and libraries but a complete environment for the creation, optimization, protection, dissemination, and monetization of their creativity in a well-governed community. The Blue Cheetah application ecosystem is that environment!

The Blue Cheetah software is not just a tool; it is a total application ecosystem. It brings application creation and optimization together in one place with software licensing and monetization, thus linking and integrating these two critical parts of success in the application space.
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<th>Blue Cheetah - Cub (beta available today) is the system for organizing a developer community, defining application software functionality, establishing collaboration, and constructing the application. Using Cub, software developers can share the functionality of the code, while protecting the code itself. This is possible because of the cloud-computing nature of the Blue Cheetah application ecosystem. This also promotes modular construction of applications by allowing developers to self-organize for the purpose of creating applications collaboratively. Once an application is licensed, all developers receive their share of the licensing fee according to parameters that they control.</th>
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<td>Blue Cheetah - Coalition software will handle parallelization and execution of an application. Based on the rich portfolio of MPT patents, Coalition promises to set a new standard in restructuring applications to maximize parallelism. This is especially important in multi-core systems and in large clusters.</td>
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<td>Blue Cheetah - Hunt software provides an e-commerce capability to allow the marketing, sale, and control of applications, kernels and algorithms.</td>
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<td>Blue Cheetah - Spots software allows for the automatic conversion of existing codes into the Blue Cheetah software format. It also checks all codes for malware and plagiarism and provides collaborative testing, debugging, verification and validation.</td>
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<td>Blue Cheetah - Savannah firmware implements advanced communication and parallelization techniques at the CPU, board, and switch levels to maximize the realized performance of applications.</td>
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