CloudOOP Rax Cluster

Big Data Clusters are designed for any data analytics, data mining, or machine workload – there's nothing the CloudOOP Rax can't do. Our Big Data Clusters are deployed at federal government agencies, leading research institutions and Fortune 500 companies across 36 countries. PSSC Labs has been a leader in turn-key, high performance computing systems for more than 25 years. Our focus is on delivering custom-configured, game-changing solutions utilizing the latest and greatest technologies.

PROVEN USE CASES

- Private & Hybrid Cloud Deployments
- Enterprise Data Warehouse
- Data in Motion
- Kubernetes Containerized Environments
- Cybersecurity
- Analytics and Machine Learning
- Internet of Things (IoT)

KEY FEATURES

- Significant Reduction in both CapEx and OpEx Costs
- Scale to Tens of Thousands of Compute Cores & Multi Petabytes of Data Storage
- Integrate Advanced FPGA & GPU Technologies for AI & Machine Learning
- Factory Installation of All Necessary Hardware, Software & Networking Components
- Complete Cluster Management Toolkit for Simple Operation, Monitoring & Management
- Certified Compatible with Leading Data Management Platforms from Cloudera
- Only Enterprise Grade Components for Maximum Reliability & Performance

INTEGRATED HIGH PERFORMANCE COMPONENTS

- High Performance NVMe / SSD Flash Storage or Low Cost Spinning Disk Drive Options
- Direct Connect IO Technology Offers Significant I/O Performance Improvement
- High Speed Network Topology from 10GigE to 200 GigE Options
- Latest in CPU and GPU Technology from Intel®, NVIDIA® & AMD
- Out of Band – Remote Management Interface
- All Necessary Rack & Power Infrastructure