



DAEDALUS ENTERPRISE SEARCH APPLIANCE

The Daedalus Enterprise Search Appliance is a turnkey, high performance computing platform powered by Elastic and certified compatible with Elastic Cloud Enterprise (ECE), which allows users to centrally manage and monitor their Elasticsearch deployments for use cases like search, observability, and security. The system includes all necessary hardware, networking, support, and software for a simple, one-step deployment.

The Daedalus Enterprise Search Appliance Platform includes:

- 3 Director Nodes, 3 Proxy Nodes, 2 Hot Allocator Nodes & 2 Warm Allocator
 - Node Configuration Details on Following Page
- 20.7 TB Total High Performance Enterprise Flash Storage
 - 3.2 TB High Performance Enterprise NVME Storage on Hot Allocator Nodes
 - 17.5 TB High Performance Enterprise Flash Storage on Warm Allocator Nodes
 - Includes 1 Replica for High Availability of Hot and Warm Storage
- 80 Total Intel Xeon Scalable CPU Cores
 - 40 Total Xeon Cores on Hot Allocator Nodes
 - 40 Total Xeon Cores on Warm Allocator Nodes
- 704 GB Total High Performance ECC Registered Memory
 - 256 GB Total Memory on Hot Allocator Nodes
 - 256 GB Total Memory on Warm Allocator Nodes
 - 96 GB Total Memory on Director Nodes
 - 96 GB Total Memory on Proxy Nodes
- 10 GigE High Performance Network Backplane
 - 48 Port 10/100/1000/10000 10GigE Network Switch
- Management & Monitoring Network Include
 - IPMI / iKVM Management Interface
 - 48 Port 10/100/1000 GigE Network Switch
- Rack & Power Infrastructure Included
 - 42U 1200mm Depth Rack Unit on Casters
 - 2 x 208V / 30 Amp/ Single Phase PDU
 - All Necessary Power and Network Cables Included
 - Installation Instructions Provided / Onsite Installation Available for Additional Cost
- 6 x Elastic Cloud Enterprise Subscriptions
 - Installed and Configured by Cluster Engineers



Image is representative only.



- Benchmark Testing Performed at Factory
 - 1 Year Subscription Included
- Hawkeye Cluster Management Toolkit
 - Red Hat Enterprise Linux 7.x Operating System (License Sold Separately)
 - Hawkeye Feature Details on Following Page
- STIG Compliant Ready
- Extensive Onsite Maintenance Kit
- PSSC Labs Three Year Silver Service Agreement
 - See following page for warranty details

The ability to upgrade all system components including processor cores, memory, network backplane & available storage is built into the platform. The system will grow along with your computing needs.



PRICING DETAILS

Retail Price: \$292,500.00

- Partner Discount: subtract \$50,000.00
- Big Data Industry Discount: subtract \$50,000.00

FINAL PRICE: \$192,500.00

Price does not include any applicable VAT, duties, state, local or use sales tax.

SYSTEM UPGRADE OPTIONS

- Hot Allocator Nodes (3.2 TB Usable Space) add +\$24,995.00
 - Includes 1 Year ECE Subscription License
- Warm Allocator Nodes (17.5 TB Usable Space) add +\$33,650.00
 - Includes 1 Year ECE Subscription License

GSA QUOTATION AVAILABLE UPON REQUEST



CONFIGURATION DETAILS

CloudSeek 1000xR Enterprise Director Node

- 1U Rackmount Chassis with Redundant Power Supply
- 12 x Intel Xeon Scalable Processor Cores / 1.9 GHz
 - 2 x Intel Xeon 3204 Processors
- 32 GB High Performance 2933 MHz DDR4 ECC Registered Memory
- 4 x 480 GB Solid State SATA III (SSD) Enterprise Flash Hard Drives / Micron 5200 or similar
 - Configured for Raid 10
- LSI 9361-4i 4 port Raid Controller
- SVGA Video Adapter
- 2 x 10/100/1000/10000 10GigE Network Adapter / SFP+ Connection
- 2 x SFP+ 10 Gbps Network Cable
- IPMI / iKVM Dedicated Port
- Red Hat 7.x Installed for (Subscription Sold Separately)
- PSSC Labs HPC Hardware Integration & Testing
- Installation of OS & Raid Configuration
- Net Connect Integration Feature

CloudSeek 1000xR Enterprise Proxy Node

- 1U Rackmount Chassis with Redundant Power Supply
- 12 x Intel Xeon Scalable Processor Cores / 1.9 GHz
 - 2 x Intel Xeon 3204 Processors
- 32 GB High Performance 2933 MHz DDR4 ECC Registered Memory
- 4 x 480 GB Solid State SATA III (SSD) Enterprise Flash Hard Drives / Micron 5200 or similar
 - Configured for Raid 10
- LSI 9361-4i 4 port Raid Controller
- SVGA Video Adapter
- 2 x 10/100/1000/10000 10GigE Network Adapter / SFP+ Connection
- 2 x SFP+ 10 Gbps Network Cable
- IPMI / iKVM Dedicated Port
- Red Hat 7.x Installed for (Subscription Sold Separately)
- PSSC Labs HPC Hardware Integration & Testing
- Installation of OS & Raid Configuration
- Net Connect Integration Feature



CloudOOP 12000 Enterprise Hot Allocator Node

- 1U Rackmount Chassis with Redundant Power Supply
- 20 x Total Xeon Scalable Processor Cores / 2.2 GHz
 - 2 x Xeon 4210 Processors
 - 40 Cores With Hyperthreading Enabled
- 128 GB High Performance 2933 MHz DDR4 ECC Registered Memory
- 2 x 240 GB Solid State SATA III (SSD) Enterprise Flash Hard Drives / Micron 5200 Pro or similar
 - For Operating System
 - Configured For Raid 1
- 4 x 2.0 TB Enterprise Edition NVMe Flash Storage Drive / Intel DC P5410 o Similar
 - Configured for JBOD
- 2 x 10/100/1000/10000 10GigE Network Adapter / SFP+ Connection
- 2 x SFP+ 10 Gbps Network Cable
- SVGA Video Adapter
- IPMI / iKVM Dedicated Port
- Red Hat 7.x Installed for (Subscription Sold Separately)
- PSSC Labs HPC Hardware Integration & Testing
- Installation of OS & Raid Configuration
- Net Connect Integration Feature

CloudOOP 12000 Enterprise Warm Allocator Node

- 1U Rackmount Chassis with Redundant Power Supply
- 20 x Total Xeon Scalable Processor Cores / 2.2 GHz
 - 2 x Xeon 4210 Processors
 - 40 Cores With Hyperthreading Enabled
- 128 GB High Performance 2933 MHz DDR4 ECC Registered Memory
- 2 x 240 GB Solid State SATA III (SSD) Enterprise Flash Hard Drives / Micron 5200 Pro or similar
 - For Operating System
 - Configured For Raid 1
- 12 x 3.84 TB Enterprise Edition Solid State SATAIII (SSD) Flash Drive / Micron 5200 Pro or similar
 - Configured for JBOD
- Direct Connect IO Technology
- 2 x 10/100/1000/10000 10GigE Network Adapter / SFP+ Connection
- 2 x SFP+ 10 Gbps Network Cable
- SVGA Video Adapter
- IPMI / iKVM Dedicated Port
- Red Hat 7.x Installed for (Subscription Sold Separately)
- PSSC Labs HPC Hardware Integration & Testing
- Installation of OS & Raid Configuration
- Net Connect Integration Feature



SERVICES INCLUDED

PSSC Labs includes the following services to ensure proper installation and system functionality.

- Installation of Elastic Cloud Enterprise (ECE)
 - Latest Commercial Version Available
 - Benchmark Testing for Performance and Reliability
 - 1 Year Subscription Included
- Installation of Hawkeye™ v. 3.0 Big Data Software Toolkit including:
 - Setup of and installation of Red Hat 7.x 64-bit
 - Network Configuration
 - Temperature Monitoring & Auto Shutdown Script (UPS)
 - PowerScripts for Remote Cluster or Node Reboot, Rem Node Shutdown
 - Security Patches (Port Mapper, IP Chains/Tables and L Updates)
- Hardware Warranty Upgrade. PSSC Labs will upgrade the standard warranty from 1 year return to depot to 3 year return to depot.
- Hawkeye™ Support Upgrade. PSSC Labs will extend the Hawkeye™ support to 3 years. Our standard warranty includes 1 year Hawkeye™ support.
- Maintenance Kit. An extensive maintenance kit will ship with the cluster. The maintenance kit allows for immediate replacement of critical failed components. PSSC Labs will provide support / training for your onsite technicians to quickly replace failed components.
- IPMI Remote Network Management Configuration. Allows remote access to all nodes for system management.
- Performance Tuning. PSSC Labs Cluster Technicians have 10+ years experience optimizing system hardware for maximum performance. Performance tuning encompasses every step of the integration process including:
 - Optimizing BIOS settings for specific hardware
 - Installation of latest component drivers
 - Installation of necessary firmware updates
 - Compiling MPI with various flags for maximum performance
- Net Connect Integration Service. Prior to software installation by PSSC Labs Cluster Technicians, end user will provide the necessary network information including (cluster name, IP address, subnet, gateway, etc). Once this information is received, PSSC Labs will verify the information and properly configure the CloudRax Cluster network. All network settings will be tested prior to shipping. End user will simply need to connect a network cable to begin communicating with the CloudRax Cluster and run jobs.
- Site Preparation Guide. Gathers information regarding computing environment and network settings to ensure proper connectivity, power and cooling.





PSSC LABS WARRANTY

Hardware Support :

Each system includes a THREE year return to depot hardware warranty (unless otherwise noted). The warranty services coverage is limited only to PSSC Labs manufactured systems specified on the quotation or technical specifications document. Under no circumstances will the hardware warranty be extended to peripherals or other components added by anyone other than PSSC Labs. Any negligent or malicious treatment of system hardware including but not limited to improper computing environment, unacceptable operating room temperatures, and/or inappropriate firewall as specified by PSSC Labs is considered grounds for voiding warranty service. Shipping costs to PSSC Labs are the responsibility of the end user. PSSC Labs is responsible for all return shipping cost. Additional years support (3 year maximum) are available. Contact your Sales Representative for additional year pricing. In order to reduce system down-time, PSSC Labs strongly recommends purchasing our System Maintenance Kit. This System Maintenance Kit includes system components most likely to fail (hard drive, power supply, items with moving parts). On-Site Hardware Support Services are available for up to three years. On-Site Hardware Support Services can be purchased on an annual or per incident basis. Contact your Sales Representative for annual and per incident pricing. All terms and conditions listed on PSSC Labs website (www.psscclabs.com) apply to this quotation.

Hawkeye™ Support

PSSC Labs can preinstall and test the Hawkeye™ Cluster Management Toolkit. PSSC Labs is responsible for the integration of various software packages (commercial and open source) that constitute Hawkeye™. PSSC Labs is not responsible for making changes to the source code, writing custom scripts or debugging any third party software application (commercial and open source). As part of Hawkeye™ installation, PSSC Labs Cluster Technicians will need to establish internal system network configuration settings. These settings (including domain name) cannot be changed without prior notice to PSSC Labs. Making internal system network changes without PSSC Labs consent is prohibited and can void the warranty. No custom configuration, customer scripts or other software changes are included. Hawkeye™ Support is included for THREE years. During this time, the end user may contact PSSC Labs an unlimited number of times via email and telephone. A support ticket must be opened on PSSC Labs website. Our Cluster Technicians are available to discuss the cluster network settings and installed Hawkeye™ packages. Cluster Technicians may refer to system manual or online information. If necessary, Cluster Technicians can log into system to verify proper Hawkeye™ functionality. If Hawkeye™ is not functioning properly, Cluster Technicians can ONLY return system to proper factory installed condition. If during the support process, PSSC Labs determines that the system is not functioning due to unauthorized system changes or unacceptable computing environment (as specified in the site preparation guide) the customer will be notified and sent a void of warranty



notification. The end user will have 30 days to return system configuration to factory installed settings at which time PSSC Labs can reinstate the warranty. Cluster Technicians can be contracted in order to return system to factory installed conditions.

Limits of Liability

In no event will PSSC Labs be liable to the customer for lost profits or any form of indirect, special, incidental, or consequential damages of any form from any causes of action of any kind with respect to any order, whether based on breach of contract, tort (including negligence), or otherwise, and whether or not the other party has been advised of the possibility of such damage. Recourse is limited only to the value of the purchase price.

ELASTIC PLATNIUM SUPPORT

Elastic platinum support **is highly rated by customers and includes access to two dedicated engineers (one primary and one backup). Support is guaranteed 24 hours a day, seven days per week, 365 days per year for severity 1 and 2 cases. All support is delivered by US citizens on US soil. Customers can ask unlimited questions and receive advice throughout the lifecycle of their subscription. Support is provided by the same primary and backup engineers (with rare exceptions) to ensure continuity and is available via web or phone. Additionally, a Customer Success Manager acts as a dedicated resource to assist in onboarding, enablement**

