



CyberRax Cybersecurity Appliance for Hortonworks Cybersecurity Platform

PN: PS-CDPRAX-HCP-450T

The CyberRax Cybersecurity Appliance is an integrated solution certified compatible with and centered on Hortonworks Cybersecurity Platform. The CyberRax Cybersecurity Appliance provides the following capabilities and benefits for your organizations: out of the box compliance reporting, open and extensible platform enables unmatched scalability of data, use of big data with advanced analytics and ML to automate threat detection. The complete appliance is fully integrated with all necessary hardware and software to offer truly turn-key deployment and significantly reduced time to production.

The CyberRax Cybersecurity Appliance includes:

- Total 864 TB High Performance Enterprise Storage Space
 - Approximately 450 TB of Usable Space
 - Upgradable to 10 PB+ Usable Storage Space
- Total 1536 GB High Performance ECC Registered Memory
- Total 240 Intel Xeon Scalable Ready Processor Cores
- High Speed 10 GigE Network Backplane
- Management & Monitoring Network Included
- All Necessary Rack & Power Infrastructure Included
- Hawkeye Cluster Management Toolkit
- Hortonworks Data Platform (HDP)
- Hortonworks Cybersecurity Platform (HCP) powered by Apache Metron
- Hortonworks Data Flow (HDF)
- System Soft Technology Open Data Model for Analytics & Source Integration
- Elysium Application
- Elysium Core
- Elysium Analytics
- Zoomdata Enterprise Server Visual Analytics Platform
- Rack & Roll Integration for Turn-Key Deployment
- One Year Complete Warranty (SLA) Hardware / Software Coverage



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



INTEGRATED SOFTWARE TOOLS

Operating System:	CentOS Linux 7.4 (or later) Red Hat Option Available
Hortonworks Software:	Hortonworks Data Platform 2.6.5 Hortonworks Cybersecurity Platform 1.6 Hortonworks Data Flow 3.1.2
Management Tools:	Ambari Management Platform PSSC Labs Hawkeye 4.2 Network Configuration Ganglia Cluster Monitoring Utility and Custom Scripting Temperature Monitoring & Auto Shutdown Script Power Scripts for Remote Cluster or Node Reboot Power Scripts for Remote Cluster or Node Shutdown Security Patches
Analytics & Source Integration:	Elysium Open Data Model Elysium Application Elysium Core (Source Dataflows, Parsers, StorageApplication Elysium Analytics Security Posture with Threat Hunting User Interface Search NIST Compliance 800-171 UEBA w/ Machine Learning Extensions Advanced Statistical Analytics
Analytics & Visualization:	Zoomdata Enterprise Server Visual Analytics Platform
Database:	MariaDB 10.2
Java Development Kit:	OpenJDK 1.8



HARDWARE DETAILS

Integrated Nodes	1 x Flash Based Edge Node 2 x Flash Based Management Nodes 12 x High Performance Data Nodes
Storage Capacity	864 TB High Performance Enterprise Storage Across Data Nodes 72 TB Storage Per Data Node Approximately 150 TB of Usable Space Expandable to 10 PB+
Processing Power	240 x Intel Xeon Scalable Processor Cores Across Data Nodes
Included Memory	1.5 TB High Performance ECC System Memory Across Data Nodes
Network Backplane	10 GigE High Performance Network Connectivity
Mgmt Backplane	GigE Management Network (IPMI / iKVM)
Rack	42U 19" Standard Enclosure on Casters with Locking Doors Dimensions: 83" Height / 47.25" Depth / 22" Width Initial Weight: 1600 lbs / Max Weight: 2800 lbs
Power	Redundant Power Supply on Every Node Redundant Power Supply on 10GigE Network Backplane 2 x 208V / 30 Amp Single Phase Power Distribution Unit Options for Three Phase / 50 Amp / 60 AMP or Other Power Connectivity



SERVICES INCLUDED

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

- Hardware Performance Optimization
 - Optimizing BIOS settings for specific hardware
 - Installation of latest component drivers
 - Installation of necessary firmware updates
- Net Connect Integration Service. Prior to software installation by PSSC Labs Cluster Engineers, 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 begin final onsite integration.
- Site Preparation Guide. Gathers information regarding computing environment and network settings to ensure proper connectivity, power and cooling.
- L11 Rack & Roll Integration for Turn-Key Deployment. All necessary server, network and power hardware will be professionally installed into the 42U Rack Unit. PSSC Labs will cleanly connect all necessary network and power cables to the server, network and power hardware; paying careful attention to limit any exhaust airflow.
- Golden Image Software Toolkit Installation. PSSC Labs Cluster Engineers will install all of the includes software listed on previous “Integrated Software Tools” page. Performance and compatibility tests will be run prior to deliver to ensure proper functionality.
- CyberRax Operation Manual detailing installation, operation, maintenance and 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.



PRICING DETAILS

CyberRax Cybersecurity Appliance for Hortonworks Cybersecurity Platform

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Retail Unit Price:		\$1,110,995.00
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| • Security Industry Discount: | subtract | \$180,000.00 |
| • Cloudera Partner Discount: | subtract | \$165,000.00 |

FINAL UNIT PRICE:		\$765,995.00
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FOB: Origin. Price does not include shipping / onsite installation

Price does not include any applicable VAT, duties, state, local or any other taxes.



WARRANTY & SERVICE LEVEL AGREEMENTS

The CyberRax Cybersecurity Appliance includes one year service level agreement for all hardware and one year software subscription license for Hortonworks Data Platform, Hortonworks Data Flow, Hortonworks Cybersecurity Platform, System Soft Technology Open Data Platform and Zoomdata Enterprise Server Visual Analytics Platform. All support tickets must be opened with Hortonworks. Additional year support is available for additional cost. Purchase of additional nodes will include all necessary software licensing for Hortonworks Data Platform, Hortonworks Data Flow, Hortonworks Cybersecurity Platform, System Soft Technology Open Data Platform and Zoomdata Enterprise Server Visual Analytics Platform. Zoomdata Standard Support provides technical assistance during Zoomdata standard business hours, offering customers up to two designated support contacts, email and webform channels for communications, live troubleshooting, and access to Zoomdata's knowledge base and mailing lists. System Soft Technology Support provides Standard Support provides technical assistance 8AM to 5PM / 365 Days Per Year.

Hardware Service Level Agreement

PSSC Labs will provide a next business day onsite hardware warranty for a period of one year after system delivery date. Onsite warranty is provide between 9AM to 5PM Monday to Friday (except designated holidays) local time. 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. In order to reduce system down-time, PSSC Labs will include a System Maintenance Kit. This System Maintenance Kit includes system components most likely to fail (hard drive, power supply, items with moving parts). It is the end user's responsibility to keep the System Maintenance Kit available for a service call. On-Site Hardware Support Services are available for up to five years. For complete warranty details please visit www.psscclabs.com

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.