

Server and Compute Resource Comprehensive Inventory

CONFIDENTIAL DOCUMENT

PROPRIETARY AND CONFIDENTIAL INFORMATION OF NEXUS INTELLIGENT SYSTEMS, INC.

DOCUMENT OVERVIEW

This Server and Compute Resource Comprehensive Inventory ("Inventory") is prepared as of January 22, 2024, by Nexus Intelligent Systems, Inc., a Delaware corporation ("Company"), for the purpose of documenting the complete technological infrastructure and computational assets owned, leased, or otherwise controlled by the Company.

1. INVENTORY SCOPE AND PURPOSE

1 Purpose of Inventory

The purpose of this comprehensive inventory is to:

- Provide a detailed accounting of all server and compute resources
- Document technical specifications and operational status
- Support potential merger, acquisition, or due diligence processes
- Establish a definitive record of technological assets

2 Inventory Methodology

This inventory has been compiled through:

- Direct system audits
- Infrastructure management system reports
- Physical and virtual asset verification
- Vendor and procurement documentation review

2. SERVER INFRASTRUCTURE SUMMARY

1 Physical Server Environment

Total Physical Servers: 24

- On-Premises Data Center: 12 servers
- Colocation Facility: 8 servers

- Disaster Recovery Site: 4 servers

2 Server Classification

- a) Production Servers: 16
- b) Development/Staging Servers: 6
- c) Backup and Redundancy Servers: 2

3 Server Hardware Specifications

Manufacturer Breakdown:

- Dell PowerEdge: 14 servers
- Hewlett Packard Enterprise (HPE): 8 servers
- Supermicro: 2 servers

Average Server Configuration:

- Processor: Dual Intel Xeon Gold 6248R (24 cores)
- RAM: 512GB DDR4
- Storage: 7.68TB NVMe SSD
- Network Interfaces: Dual 10Gbps/25Gbps

3. CLOUD COMPUTE RESOURCES

1 Cloud Provider Breakdown

- Amazon Web Services (AWS): 65% of cloud compute
- Google Cloud Platform (GCP): 25% of cloud compute
- Microsoft Azure: 10% of cloud compute

2 Cloud Resource Allocation

a) Compute Instances:

- Total Instances: 87
- Instance Types:
- Compute Optimized: 22
- Memory Optimized: 35
- GPU-Enabled: 15
- General Purpose: 15

b) Kubernetes Clusters:

- Total Clusters: 3
- Nodes per Cluster: 12-18
- Orchestration: EKS (AWS), GKE (Google)

4. VIRTUALIZATION INFRASTRUCTURE

1 Virtualization Platforms

- VMware vSphere: Primary virtualization platform
- Proxmox VE: Secondary virtualization environment
- Total Virtual Machines: 142

2 Virtualization Density

- Average Virtual Machines per Physical Host: 6-8
- Hypervisor Configurations: High-Availability Clusters

5. NETWORK AND CONNECTIVITY

1 Network Infrastructure

- Primary Internet Connectivity: 1Tbps
- Redundant ISP Connections: 2 independent providers
- Internal Network: 100Gbps backbone

2 Network Security

- Firewalls: Palo Alto Networks
- Intrusion Detection: Cisco Firepower
- VPN: Dedicated site-to-site and client VPN infrastructure

6. LEGAL DISCLAIMERS

1 Limitation of Liability

This inventory represents the best available information as of the date of preparation. Nexus Intelligent Systems, Inc. makes no warranties regarding the absolute completeness or accuracy of this document.

2 Confidentiality

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7. CERTIFICATION

I, Michael Chen, Chief Technology Officer of Nexus Intelligent Systems, Inc., certify that the foregoing Server and Compute Resource Comprehensive Inventory is true, complete, and accurate to the best of my knowledge.

Executed this 22nd day of January, 2024.

Michael Chen

Chief Technology Officer

Nexus Intelligent Systems, Inc.