

PANDA, PLATFORM ACCESSIBILITY & DEVELOPMENT ACCELERATION



- ▶ Platform Accessibility and Development Acceleration, or PANDA for short, is a platform designed to provide full IT services (Full Security and Enterprise Services) to open source developers, researchers, non-profits, and small & medium sized businesses on the worlds first FEDRAMP HISEC certified open source datacenter designed to allow for maximum collaborative efforts between Federal Governments & Agencies, open source developers, researchers, non-profits, and small & medium sized businesses.
- ▶ For the overwhelming majority of individuals, PANDA is a service provided completely for free. Researchers, Open Source Developers, and Non-Profits enjoy full service IT Enterprise and IT Security services, as well as substantial DevOps support so they can focus on their missions.

PANDA, WHAT IS IT?

PANDA is an MSP, MSSP, IaaS, PaaS, DevOpsaaS Platform that allows customers to effortlessly conduct Software Development without the hassles or concerns that traditional Software Development and Engineering Organizations encounter when working with Federal Organizations, Non-Profit Industries, Universities, and Research Institutions.

PANDA provides a full Infrastructure & fully compliant environment with a variety of collaborative services and capabilities, file services, a full security suite complete with 24/7/365 security & network monitoring, and 24/7 support.

PANDA IS FREE FOR OPEN SOURCE DEVELOPERS, NON-PROFITS, AND RESEARCHERS!*

PANDA, [ADDITIONAL INFORMATION](#)

Key Features

- Infrastructure as a Service
- Platform as a Service
- DevOps as a Service
- Fully Customizable Environments
- Web GUI Interaction
- On-Demand Development Environments
- FEDRAMP HISEC (On-Going)
- ATO Certifiable
- DISA STIG Compliant
- 8570.X Compliant
- HIPPA/PCI Compliant Compatible
- Global Accessibility
- Domain Services
- Collaboration Services
- File Services & Data Storage
- Email
- Website & Hosting
- 24/7/365 Security & Systems Monitoring
- Unlimited Bandwidth
- Conference Rooms
- Showers

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Future Key Features

- VoIP Services
- Web & Email Filtering
- DDoS Protection
- Automated Incident Response Reporting
- Dynamic & Static Malware Assessment Reporting
- Native GitHub Support
- Native Slack Support
- Hosted E-Learning Platforms
- Fully Redundant Load Balancing
- 24/7/365 Support Center
- Global Datacenter Locations

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Target audience base is primarily focused towards Open Source Developers, Researchers, and Non-Profits, but also supports small & medium sized businesses, Federal Contractors, and Government Agencies to offset costs.

- Open Source Developers
- Non-Profits
- Research Institutes
- Universities
- Researchers
- Defense Contractors
- Growing Small Businesses
- Mid Cap Companies
- GitHub

TARGET CUSTOMER BASE, PANDA

- ▶ Bandwidth – Multiple 10Gbps Connects
- ▶ Storage – ~60TB 7.2K RPM, ~10TB 15K RPM, ~4TB SSD Cache
- ▶ Cores – 116
- ▶ CPUs – AMD, Intel
- ▶ Servers – Dell, SuperMicro, Custom
- ▶ Platform – OpenStack, Azure
- ▶ OS – Ubuntu 16.04 LTS, Windows 2k16, FreeNAS
- ▶ Routing & Switching – Ubiquity

PANDA, CURRENT PERFORMANCE

- ▶ Bandwidth – Multiple 10Gbps Connects, 4 100Gbps Connects
- ▶ Storage – ~500TB 7.2K RPM, ~100TB 15K RPM, ~10TB SSD Cache, ~2.5TB Ramdisk
- ▶ Cores – Over 10,000
- ▶ CPUs – AMD, Intel
- ▶ Servers – Dell, SuperMicro, Custom
- ▶ Platform – OpenStack, Azure
- ▶ OS – Ubuntu 16.04 LTS, Windows 2k16, FreeNAS, FreeBSD
- ▶ Routing & Switching – Ubiquity, Brocade, OpenVSwitch, BSD Router

PANDA, FUTURE PERFORMANCE



PANDA, CURRENT COSTS

- ▶ Power - ~3.91 per KWh
- ▶ Rent – 312K, Triple Net
- ▶ Certifications – 2.89M
- ▶ Equipment – Increases daily 😞
- ▶ Payroll – ~3-15% of 36 FTEs, depending on department

PANDA, COSTS BREAKOUT

- ▶ Interested In Helping? Have a project?
Have constructive input? REACH OUT!
- ▶ Give us your old gear, we'll take it ALL!
- ▶ Grants! Grants! Grants!

PANDA, GETTING INVOLVED!

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QUESTIONS?