RESILIENT EXTENSIBILITY TO MEET EXPANDING MISSION NEEDS

To meet today's mission objectives, systems must process an increasing amount of data without downtime. Guaranteed data processing capacity and resiliency with dedicated hardware is no longer practical.

CNSP is a cloud-native, streaming data processing framework that accelerates cloud migration of any project. Our application framework leverages Amazon Web Services (AWS) best practices and provides a mixture of custom microservice design, AWS services, and Free and Open Source Software (FOSS) components.

CNSP jumpstarts data-driven cloud application development by providing an extensive and reusable scaffolding to support any cloud application. Contact us today for more information or to schedule a demonstration.
**CNSP CLOUD NATIVE STREAMING PLATFORM**

**SIMULTANEOUS IT AND MISSION MONITORING**
- Monitor real-time IT infrastructure using Celexa framework, providing mission analytics
- Quickly assess system and mission performance while simultaneously visualizing system health, cloud status, and cost metrics
- Identify system processing bottlenecks and data flow issues
- Monitor real-time cloud cost analytics to optimize runtime expenses
- Monitor system from any desktop or mobile device using inherent, web-based capabilities

**CLOUD-NATIVE SCALE**
- Scales processing capacity automatically to meet variable data rates
- Employs secure and hardened architecture compatible with AWS, GovCloud, and C2S
- Facilitates lean processing and application development using microservices

**DELIVERY THROUGH DEVOPS**
- Automated Continuous Integration/Continuous Delivery (CI/CD) concepts provided to all projects or applications via reusable cloud-based DevOps Accelerator framework
- Reduced development reaction time and simplified application deployments enabled through DevOps functionality
- “Doing the right thing” synonymous with “doing the fastest thing” when delivering product updates
- Deployment heroics and workarounds eliminated
- Total traceability and auditability ensured by capturing everything as code

**CHAOS ENGINEERED**
- Stateless architecture ensuring component failure does not impact processing pipeline
- Self-healing components that automatically recover after failure
- Distributed deployment ensuring components withstand catastrophic failure of an entire data center
- Resilient messaging guaranteeing no critical data loss in the case of system failure
- AWS components leveraged to provide enterprise-grade fault tolerance

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**AWS Advanced Consulting Partner**

**amazon web services™**

**C2S™**

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**POLARIS ALPHIA CNSP**