

Enhanced Security

CoreSpatial integrates advanced security measures aligned with DISA and CISA guidelines, ensuring robust protection against vulnerabilities. Regular security updates and Java Virtual Machine optimizations maintain optimal performance and safeguard client operations.

Integration

CoreSpatial's unparalleled data integration enhances situational awareness and decision-making for defense and emergency response. Real-time visualization and versatile deployment options make it essential for efficient crisis management across various applications.

Geospatial Standards

CoreSpatial strictly adheres to OGC standards, ensuring interoperability and functionality across diverse geospatial systems. This commitment supports seamless data integration and positions CoreSpatial as a foundational tool for integrated geospatial analysis.

CoreSpatial: Secured Decisions Made Easy



CoreSpatial by Newmoyer Geospatial Solutions (NGS) stands at the forefront of geospatial technology, offering an advanced platform specifically designed to meet the demanding needs of government and defense sectors. This white paper explores the key features, real-world applications, and strategic benefits of CoreSpatial, demonstrating its pivotal role in transforming geospatial data into actionable intelligence and operational superiority.

CoreSpatial: Comprehensive Geospatial Solution

Enhanced Security and Performance
CoreSpatial is built upon a hardened, optimized version of GeoServer, making it ideal for scenarios requiring robust security and high operational demands. It incorporates stringent security measures that adhere to the best practices from the Defense Information Systems Agency (DISA) and the Cybersecurity Infrastructure Security Agency (CISA). These measures ensure that CoreSpatial is not only resilient against cyber threats but also capable of performing under the intense demands of government operations.

Scalability and Resource Efficiency

Scalability is at the heart of CoreSpatial, designed to support operations ranging from mobile deployments to extensive cloud-based systems. Its dynamic resource allocation optimizes the processing of large-scale geospatial data and accommodates an increasing number of user queries without degradation in performance. This scalability ensures that as governmental and defense needs evolve, CoreSpatial adapts seamlessly, providing continuous, reliable service.

Implementations

CoreSpatial's integration across military and medical domains demonstrates its ability to enhance object-based production and decision-support. It has enabled seamless data interaction across diverse digital platforms at various levels of military operations, akin to the collaborative models seen in popular civilian applications. Similarly, in medical settings, CoreSpatial has been pivotal in providing real-time health surveillance and operational visibility, substantially enhancing the decision-making capabilities of command surgeons and medical commanders during critical missions.

Regulatory and Compliance Standards

CoreSpatial strictly complies with the regulatory frameworks and security standards mandated by the Department of Defense and U.S. Federal Government systems. This compliance ensures that all geospatial data handling, from storage to dissemination, meets the highest standards of security and confidentiality, critical for operations involving national security.

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TECHNICAL SUPPORT

CoreSpatial offers expert technical support, providing users with comprehensive assistance for maintenance and troubleshooting. Our team ensures regular software updates and robust security compliance, helping you optimize system performance and maintain reliability across both cloud and bare metal deployments.

ZERO DOWNTIME

CoreSpatial ensures zero downtime with robust infrastructure, continuous system monitoring, and proactive updates, maintaining optimal performance and reliability for critical geospatial operations.

Deployments

CoreSpatial is available through our website, AWS Marketplace, and Azure Marketplace, offering flexible acquisition options to suit your deployment preferences and streamline the integration process.



Experience the ultimate in geospatial technology with CoreSpatial, a turnkey solution crafted to elevate your mapping and data analysis capabilities to new heights. Here's how CoreSpatial delivers an unmatched end-to-end experience.

Turnkey E2E Solution

Comprehensive Integration:

Includes CoreSpatial Server, Basemaps, and Portal for seamless data management and advanced content management.

User-Friendly Interface:

Streamlined management of map data, layers, and styles via CoreSpatial MapManager.

Security Hardened

Robust Compliance:

STIG compliant, ensuring maximum security and data integrity.

Reliable Updates:

Regular software and data refreshes ensure ongoing security and compliance.

Optimized Deployments

Versatile Infrastructure:

Ready for both cloud and bare metal setups, adaptable to various IT environments.

Peak Performance:

Designed to handle extensive data demands without sacrificing speed or reliability.

Components

CoreSpatial Server

GeoServer, PostGIS, GDAL/OGR

CoreSpatial Basemaps

Global OpenStreetmap, Imagery, Elevation, MGRS/UTM Grids, HIFLD

CoreSpatial Portal

Customized instance of MapStore2 providing geospatial content management, access controls, an advanced map viewer, and dashboard capability

CoreSpatial MapManager

Custom application designed for user-friendly management of map data, layers, and styles.

Learn more about CoreSpatial and all of our solutions at Newmoyergeospatial.com

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