

# SAP HANA® + SS8® – Combining Real-Time Data Discovery and Rapid Remediation of Cyber Attacks

## SAP HANA

SAP HANA® is a revolutionary “in-memory” database and computation engine that enables major performance improvements in complex computing operations such as those typically found in U.S. defense, intelligence and cyber security missions.

SAP HANA combines database, data processing, and application platform capabilities “in-memory,” which means that memory on spinning disks is not part of the computational chain. Instead, HANA uses the CPU itself to enable processing speeds that are 60 to 100,000 times faster than what is possible with traditional computing architectures.

## SS8 RAPID REMEDIATION FOR ENTERPRISE

SS8 Enterprise is a technology solution that allows companies to reduce the time from cyber breach to discovery, enabling rapid remediation. With automated threat feed analysis, years of investigation-grade information from your network, and intuitive and easy-to-use workflows, your security team now has a system that:

- Exposes historical exploits on your network against newly discovered threats;
- Allows your investigators to see all suspicious or abnormal activity from a device to determine risk; and
- Automatically generates investigation information, not just data.

## SAP HANA OFFERS A HUGE RANGE OF CAPABILITIES IN AN INTEGRATED, COST- SAVING PLATFORM:

- Predictive analysis library of formulas and algorithms
- Natural Language Processing for unstructured text
- Geospatial analysis
- Graph engine for link analysis
- In-memory calculation engine for mission-specific functions and algorithms
- Event Stream Processing for real-time streaming data
- Seamless Smart Data Access™ to Hadoop and on-disk databases
- Open Standards connectivity to existing front-end tools
- Multi-billion record queries at the speed of thought.

SS8 Enterprise is the first step in transforming your team into a Strategic Cyber Intelligence team, with a deep, holistic view of the network. Rapid Remediation saves you valuable time to discovery, increases your operational efficiency, and protects your brand by simplifying complex, manual post-attack investigations.

SAP HANA, combined with SS8 Enterprise, is the first step in transforming your IT team into a Strategic Cyber Intelligence team.

## WHY DOES YOUR ORGANIZATION NEED SAP HANA + SS8 RAPID REMEDIATION FOR ENTERPRISE?

Perimeter defenses can no longer stop the evolved hacker. Today's cyber criminals are patient, efficient, and strategic in ex-filtrating high-value data for months or years before targeted organizations discover it. Now the challenge is to spot ex-filtration signs before a breach occurs, or quickly determine what happened post-attack so you can stop it.

Meanwhile, there is a limited supply of skilled analysts available to detect cyber threats. Thousands of analyst positions are unfilled, and experts predict the shortfall will worsen as qualifications grow further out of reach for many. Former Commander of the US Army Cyber Command, Lieutenant General (Ret.) Rhett A. Hernandez, has called this one of the nation's biggest challenges.

With SAP HANA plus SS8 Rapid Remediation for Enterprise, the combination of network awareness, self-service data analytics in real-time, and multi-source intelligence – all in a single platform – enables your team to conduct faster and more thorough investigations with fewer human resources.

### ABOUT SAP NS2

SAP National Security Services, Inc. (SAP NS2®) is an independent, 100% U.S. subsidiary of the global enterprise software company, SAP, offering a full suite of world-class enterprise applications, analytics, database, cyber security, cloud, and mobility software solutions from SAP, with specialized levels of security and support to meet the unique mission requirements of U.S. national security and critical infrastructure customers. In addition to software solutions, SAP NS2 offers secure support and consulting services from credentialed experts in the national security space. Learn more at [www.SAPNS2.com](http://www.SAPNS2.com).

### ABOUT SS8

SS8 offers communications analytics and network forensics solutions to organizations in three primary markets: enterprise security enabling threat detection and investigations across the largest networks; intelligence and law enforcement agencies for communications analytics and investigations; and service provider compliance for communications service providers (CSP) and web-based applications service providers (ASP) facing existing and emerging legal requirements. SS8 is the only solution to bring communications analytics and network forensics for all communications data (IP and voice) together in a single modular platform for real-time visibility and insight—the key to identifying threats not previously known or understood. Learn more at [www.SS8.com](http://www.SS8.com).

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