



A risk-adaptive approach to **data security**

Cloudera and Raytheon Intelligence & Space's platform combines zero trust protection with plug-and-play analytics



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SOME CYBERSECURITY FUNDAMENTALS will always be important, such as knowing your baseline and what you need to protect, patching, continuous monitoring and user training. However, cyberthreats are always evolving, and agencies need to evolve along with them and use the latest technology to deal with real-time threats while identifying long-term trends.

The Department of Homeland Security's Einstein was an important step forward in monitoring and protecting government systems. The recent Executive Order on Improving the Nation's Cybersecurity is another important step. It advocates bold progress on detecting and remediating breaches, enhancing supply chain security and removing barriers to the sharing of threat information.

At the agency level, rapidly changing IT environments and continuously evolving cyberthreats require proactive, high-performing cybersecurity solutions that can adapt on the fly and constantly answer questions about what's happening to data in terms of who, when, where, what and how.

A future-proof cybersecurity architecture

It is essential to create a platform in which tools and analytics can be integrated quickly to respond to current threats. In other words, rather than

hundreds of best-of-breed solutions stitched together, agencies require a comprehensive, integrated solution.

Raytheon Intelligence & Space and Cloudera partnered to meet the government's need for a much more rapid and adaptive cybersecurity approach. Cloudera's open architecture-based design is ideally suited to the needs of Raytheon Intelligence & Space's government customers. And it aligns with the company's REDPro, which is a zero trust-based, data-centric command and control infrastructure. The addition of Cloudera creates a plug-and-play architecture that can be updated in real time as new threats are identified.

The value of this hybrid, future-proof

cybersecurity architecture has been strengthened by the need to support a distributed workforce during the pandemic and beyond. The platform can quickly ingest new data sources to better understand emerging risks and threats so that IT teams can secure a growing number of endpoint devices, including the personal devices that many employees use while working remotely.

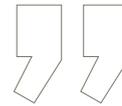
Harnessing the power of data

Combining Cloudera's Data Cloud with the REDPro platform allows agencies to fully harness the power of the data they hold, regardless of whether that data lives in an on-premises data center, a single cloud or multiple clouds. At





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the same time, the platform allows agencies to apply and enforce advanced, multilevel zero trust-based access controls throughout the data's life cycle. In addition, it offers both the real-time detection and the long-term trending that agencies need.

Cloudera's recent acquisitions of Datacoral and Cazena expand its technology portfolio in ways that complement and enhance how Raytheon Intelligence & Space develops solutions

and analytic capabilities. With Cloudera's technology, agencies gain the ability to extract business intelligence from data while the REDPro platform applies appropriate security based on what kind of data is being managed, who uses it and what kind of systems interact with it. That risk-adaptive approach allows us to institute zero trust down to the data level.

This comprehensive, highly scalable, full-spectrum data management and security

platform can handle virtually any type and volume of data while delivering real-time, actionable intelligence. Combining business analytics with the cybersecurity side of the equation enables agencies to protect data while using it to glean valuable insights for mission success. ■

Joe Perrino is vice president of civilian sales at Cloudera, and **Julian Zottl** is CTO of cyber protection solutions at Raytheon Intelligence & Space.

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