



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

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



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MOST OF THE CHALLENGES

government agencies face revolve around data. They have large volumes and velocities of both mission and cybersecurity data, and need to make the best use of those assets.

However, without an integrated data management and security strategy, it's difficult to move forward on the data collection, workflows and high-value analytics required for success.

Protecting data in today's heterogeneous, highly dynamic IT environments is one of the biggest cybersecurity challenges agencies face, especially now that data is potentially being stored and touched by many people, devices, apps, services and systems. That's why a strong data protection strategy goes well beyond encryption to incorporate zero trust principles.

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. Therefore, in addition to multilevel zero trust access controls, a modern platform must be highly scalable and agnostic in terms of data sources, and its core capabilities must include automated data discovery, machine labeling, indexing and data governance.

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 and Space and Cloudera decided to partner up 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 and Space's government customers. And

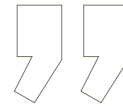
it aligns with the company's REDPro, which is a zero trust-based, data-centric command and control infrastructure. The addition of Cloudera creates a plug-and-play architecture that can be updated in real time as new threats are identified.

The value of our hybrid, future-proof cybersecurity architecture has been strengthened by the need to support a distributed workforce. 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.





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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 the same time, the platform allows agencies to apply and enforce advanced, multilevel zero trust-based access controls throughout the data's life cycle.

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. ■

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