

Data Orchestration and Resiliency

The challenge of protecting our systems and the continuity of critical operations and business grows significantly each year as more devices and more people are connected. As the connection points grow, the cost of protection and likelihood of vulnerabilities increases. Cyberattacks are no longer a matter of “if” but “when.”

What is Data Orchestration and Resiliency?

Data Orchestration and Resiliency is the automated coordination and management of complex data systems. Effective solutions focus on data security and data services with the ability to prevent, correct and adapt to adverse conditions, stresses, attacks or compromises.

Cyberattacks have reached pandemic proportions because of the complexity and interconnectedness of the technologies that power our lives. Cyberattacks can cripple military and intelligence systems and critical infrastructure such as power, water and transportation. Raytheon Technologies assesses the cybersecurity posture of each environment and provides data orchestration and resiliency products that make these systems more resilient so they can operate through the attacks.

Today, customers expect data resiliency for their systems without compromising on the quality of services they receive and provide to the user community. Keeping this in mind, Raytheon Technologies has architected and integrated a suite of high-end tools to provide such scalable and component-based solutions.



EVERY SIDE OF
CYBER



The solution

An advanced data orchestration and resiliency solution from Raytheon Technologies redefines security by looking at an organization as a whole and building in security controls around data and critical components on a zero-trust framework. This approach offers integrated protection of systems, subsystems and components in a manner that minimizes risks associated with internal/external cyberthreats and enables the continued operation of mission- and business-critical enterprise systems, weapon systems, vehicles and industrial control systems. Our unique command and control approach to data protection and resiliency in a zero-trust platform solves enterprise data protection challenges customers face in today's data-centric environment. Raytheon Technologies is currently one of the industry leaders in multilayered, full-stack protections. Our maturity and investment in software, hardware and network stack protections allows us to provide best-of-breed resiliency protections built on solid roots of trust (RoT). As experts in providing resilient solutions that have RoT "built in" from the silicon up, our approach is to ensure

cybersecurity is deeply integrated and persistent across the entire attack surface, mitigating risks from human error, the advanced and unexpected cyberexploit and insider threats.

Our cyberresilient analytics can rapidly detect, describe, diagnose and isolate threats early in the attacker's reconnaissance phase. Our vulnerability and resiliency assessments constantly evolve our capabilities and strengthen our solutions to operate through advanced, persistent attacks from our adversaries. Decision automation, intelligent predictive and prescriptive services, operations management and in-depth reporting provides a resilient defense against persistent cyberattacks within operational thresholds, necessary for confidence and trust in your mission's resources.

Raytheon Intelligence & Space has moved beyond the traditional strategy of relying on complex physical infrastructures and perimeter protections, and has built a secure framework that integrates directly into cloud services. We use best-of-breed tools to guard enterprise data against

malicious threats. This is combined with intelligent software that monitors and supports resiliency within our framework to deliver higher security standards to our customers.

What's next?

Next-generation cyberdefense solutions from Raytheon Technologies leverage the latest advances in artificial intelligence and machine learning. They fuse real-time, multilayer (hardware, software and user) behavioral analytics with zero-trust technologies and deploy advanced data orchestration and resiliency protection services to keep pace with the continually evolving cyberthreat landscape. Our scientists are conducting the most advanced research and development in machine learning, communications and analytics to build tomorrow's tools and solutions that will ensure critical systems stay ahead of cyberthreats.

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