

SOLUTION BRIEF

Combat Ransomware with Pure Storage Solutions for Life Sciences

Safeguard your research data and intellectual property with modern data protection from Pure Storage®.

Life sciences businesses are more data-reliant today than ever before, working with large volumes of patient data from clinical trials, manufacturing data on therapeutics, and commercial product and pricing data. This highly sensitive data makes the industry an attractive target for ransomware. The risk is real: [Cybersecurity Ventures](#) predicts that a new organization will fall victim to ransomware every 2 seconds by the end of 2031. Although businesses have insurance policies to cover a portion of the costs of unlocking or decrypting data, these policies don't offer a guarantee or complete safety net. Plus, payouts may further encourage cybercriminals, or even be illegal if the U.S. Department of Treasury imposes civil penalties against companies or their agents that pay ransomware demands.

Your Ransomware Recovery Time Impacts Health Safety

The disruption is widespread when a ransomware attack disables the large volume of sensitive and confidential information held by today's pharmaceutical and medical device companies. Valuable intellectual property related to the development of vaccines and therapeutics makes them particularly vulnerable to such attacks. Data downtime caused by ransomware attacks hinders drug and vaccine rollouts, threatens health safety, and can wreak havoc on an organization's reputation and business.

Ransomware attacks on life sciences organizations are not only targeting research production databases, but also the backups that are used to recover from attacks. As the sophistication of these attacks increase, life sciences organizations need to address ransomware mitigation and recovery with a modern cyber protection strategy.

Level-up Your Cyber Protection with a Five-step Framework



Ransomware Recovery

Pure Storage's FlashBlade® accelerates ransomware recovery by augmenting data protection strategies.



Data Protection

Introduce your organization to modern data protection and say goodbye to siloed legacy solutions.



Backup and Restore

Pure Storage's modern architecture quickly backs up and restores data when it matters most.

- 1. Increase visibility:** This step is all about knowing what you have and why. That server in the basement of your office building that no one knows about just might be the most vulnerable link in your defense. Inventorying assets and points of entry are vital, as is monitoring events on each asset to find anomalies that might indicate an intrusion. The [Pure1 Meta®](#) analytics platform synthesizes intelligence from thousands of devices. Combining [Pure Storage FlashBlade with Splunk](#) or [Elasticsearch](#) creates a powerful data analytics and security platform.
- 2. Ensure control:** Put a virtual fence around your infrastructure to control access. The increase in distributed workforces and work-from-home policies require a new approach to cyber protection. Pure Storage FlashArray™ was built from the ground up to run VDI faster and with greater density than any other product on the market.
- 3. Reduce exposure:** This step isn't just about detection. It's also about building an environment that is consistently maintained and monitored, which requires collecting vast amounts of data for complex analytics. That's why it's important to have infrastructure that's architected to provide fast results.
- 4. Increase attack costs:** Pure Storage [SafeMode™](#) Snapshots provide resiliency with immutable backups, making it impossible for an attacker or rogue insider to delete backups, even if administrator credentials have been compromised. Plus, SafeMode Snapshots provide protection against future attacks. Encryption further increases the cost of attack.
- 5. Respond and evolve:** Powerful data replication from Purity [ActiveDR™](#) ensures quick backups, and FlashBlade delivers [Rapid Restore](#) capabilities of up to 270TB/hour.

Clinical Trials, Genomics, Imaging, Process Manufacturing

