



Datacastle RED in Action

Ryan is an account manager at a mid-sized technology company. He is based out of the corporate head office in Philadelphia but travels all over the eastern US to visit customers. Six months ago, Ryan's company invested in an endpoint protection solution from Datacastle. Ryan's IT manager leveraged Active Directory to push the Datacastle RED client out to his laptop.



Getting protected

Once the client was activated, it immediately started using File-and Folder Based Encryption to protect his content. Next, it performed global deduplication against all the files already uploaded to the Datacastle RED Vault.

This means, for example, that if the marketing department sent a sales presentation out to all 20 people in the field sales organization, only one copy would be uploaded to the Datacastle RED Vault. Clearly, this saves the company on bandwidth and storage. Finally, Datacastle RED sent all of his unique encrypted content up to the Datacastle RED Vault which is hosted on Microsoft Azure.

Last week, Ryan and a few of his colleagues had a sales appointment in New York City and took the train from Philadelphia to the city. They hailed a taxi at the station and headed over to Wall Street for their meeting.

Oops!

They were running late, so when they got to their destination they paid the driver and hurried into the building. It was only once they were in the lobby waiting for their client that Ryan realized that he had left his laptop in the taxi. He also realized that he was the only one who had a copy of the PowerPoint file they were planning to present to their customer.

Avoiding disaster

Ryan grabbed his cell phone and called Joanne who administers the Datacastle solution for his company and told

her what had happened. Joanne did a couple of things to help. First, she sent Ryan a web link via email which he was able to access on his co-worker's laptop. This link allowed him to access and download the PowerPoint file he needed for his meeting. This meant that he could use his co-worker's laptop to do the presentation.

Next, Joanne used Remote Data Delete to wipe all the encrypted data from Ryan's laptop. This means that if his laptop gets into the wrong hands and connects to the internet, all of the files protected by Datacastle RED would be deleted.

Even if Ryan's computer does not connect to the internet, At Rest Encryption prevents hackers from accessing his files even if they are able to override a login password or perform a cold boot attack. Because Ryan's laptop contains highly sensitive sales data, his Datacastle RED client was configured to enable follow-along encryption for data in motion.

Fast recovery

Even though Ryan called the taxi company, he was not able to recover his laptop. Later that day, Joanne located a new laptop for Ryan from the inventory she had on hand and installed the Datacastle RED client. Then she used Admin Restore to restore all of Ryan's data to his new laptop from the central Datacastle RED Vault at LAN speed.

When Ryan got back to the office later that day, he was thrilled to find a brand new full restored laptop waiting for him on his desk. He was able to start working immediately.



The following Datacastle RED capabilities were used to ensure that Ryan's data did not fall into the wrong hands when he accidentally left his laptop in a taxi.

Enterprise Requirements	DATACASTLE
Deployment Options	Public, Private or On-Premises
Backup Frequency	1 minute
Retention Versions	Unlimited
Retention Days	Unlimited
Global Deduplication	Yes
Local Cache	Yes
Replicate to 2nd datacenter	Yes
RoamSmart	Yes
At rest encryption	Yes
Remote data delete	Yes
Poison Pill for data delete	Yes
Port Access Control	Yes
Administrative Restore	Yes
Data cache for 10X time to protection for remote offices	Yes
Data cache for rapid restores at remote offices	Yes
Centrally managed data caches for bandwidth conservation at remote offices	Yes

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