Datacastle®
QuickCache™ in Action

Brian is responsible for rolling out and managing an endpoint protection solution for 400 employees at his company, a mid-sized insurance provider with a central head office and branch offices in 6 locations across the United States.

A couple of months ago, his company selected software from Datacastle that included Datacastle RED for endpoint protection and QuickCaches™ for each of the remote locations.

Critical requirements

- **Easy deployment:** Brian used Active Directory to deploy the Datacastle RED agent software out to each employee laptop and created centrally managed policies for ensuring the correct data was being protected for his varied user base. Within minutes of the software started installing and employee data started backing up.

- **Solid security:** Datacastle RED first encrypted the data before checking to see whether duplicate content had already been uploaded. Only unique content across all 400 employees was uploaded.

- **Support ROBO offices:** The company wanted to ensure that employees in remote locations with limited connectivity are able to backup and retrieve their data in a couple of hours versus days across the WAN.

- **Protect network resources:** It was also critical that the backup process didn't sap limited bandwidth in branch offices during the day when employees are taxing the networks with bandwidth intensive applications like Skype and Webex.

Managing bandwidth in remote locations
Deploy QuickCaches: To accomplish this, Brian and his team rolled out a QuickCache to each branch office. Getting

started simply required shipping a NAS device running Windows Storage Server to the branch office where the office manager powered it on and plugged it into the network. Brian's team was able to remotely install the QuickCache software in minutes to start protecting laptop data.

- **Associate QuickCache with endpoints:** Once all the QuickCaches were installed, Brian was able to use the Datacastle Dashboard to create QuickCaches in the system and associate the appropriate QuickCache with endpoints in that branch office.
- **Review and adjust policies:** Brian was able to review the default backup policies and make any changes for his organization.
- **Schedule back-ups:** Brian decided to schedule backups from the remote QuickCaches to the Datcastle RED Vault hosted on Microsoft Azure to occur in off-peak hours and over weekends when there are more network resources available.

Saving network resources
Because employees started backing up during work hours, their data was uploaded to their local QuickCache using their LAN extremely fast. This is because Datacastle RED uses higher capacity local network resources when backing up to a QuickCache rather than having to send large volumes of data to the central Datacastle RED Vault using the WAN.

It was only in the early hours of the next morning that the data that had been backed up to the five Quickcaches began to upload to the central Datacastle RED Vault across the WAN. Because Brian was able to select how much capacity is available for backed up data, network performance was never compromised.

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