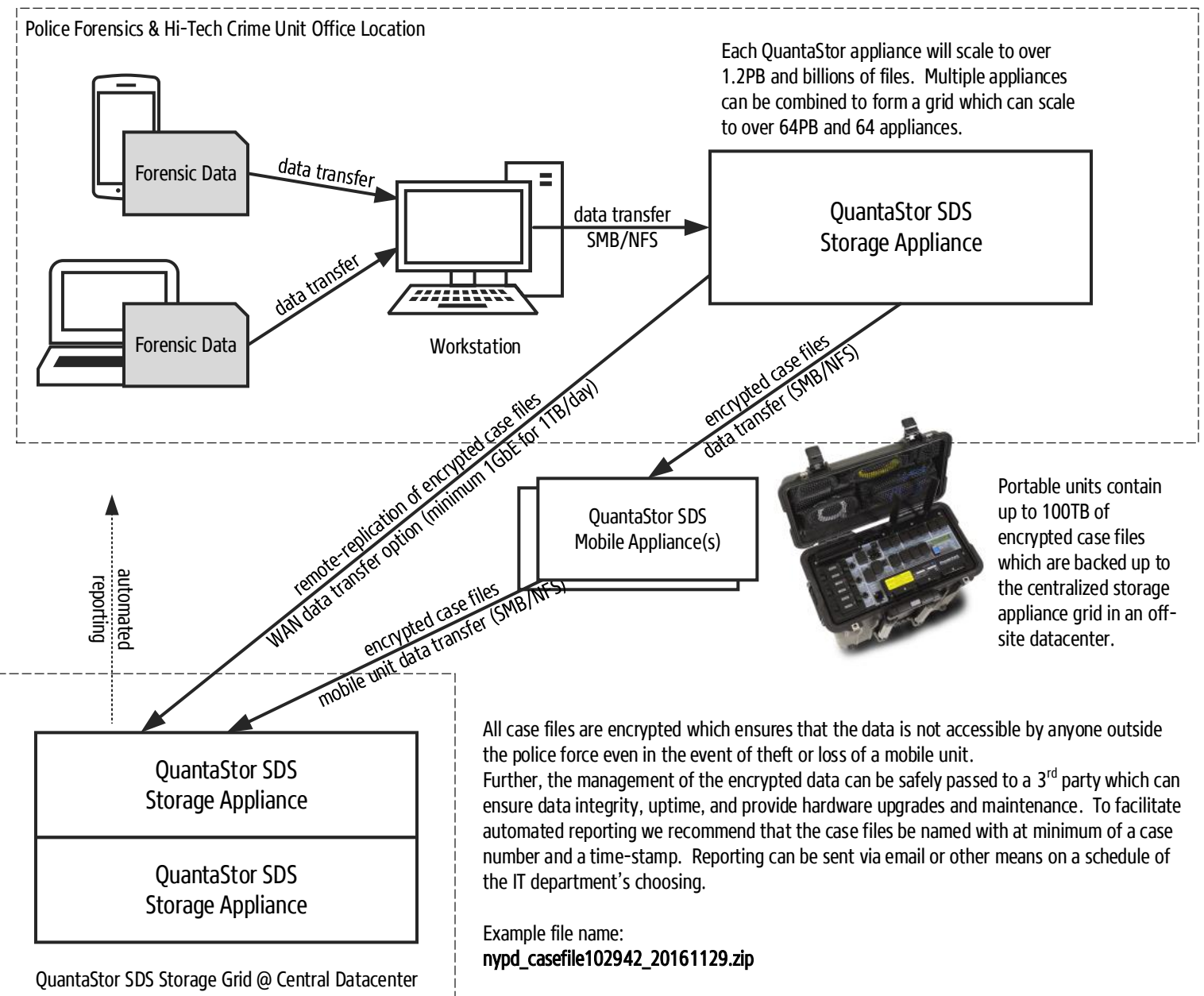


Encrypted Storage Solution for Long-term Archival of Police Forensic Case-File Data

Forensic investigation units collect and process large amounts of data for each case file that must be kept secure, encrypted, and retained for long periods (eg: per MoPI guidelines and UK National policy a minimum of 50 years for homicide and other Group 1 category crimes). With data ingest rates increasing from 1TB to a projected 3TB+ per day per crime unit, a reliable, secure process is required to transport case file information to an encrypted, fault-tolerant, highly-available, centralized data storage facility that can easily scale to 10s or 100s of petabytes (1000 TBs).

Further, forensic archival solutions must provide reporting which will provide information to police departments on the list of case files and their age and so that expired case files can be easily identified and systematically removed. Given the high cost of transmitting large amounts of data over expensive WAN links police departments often require options for both physical data transfer of case files via a mobile storage appliances as well as a WAN transfer option for securely transferring data from police forensic office locations to an offsite data retention facility.



The following hardware is an example of what a typical forensic archive configuration looks like using Dell server and MotionFX portable unit hardware. QuantaStor is certified across all major server vendors so ask your OSNEXUS partner about options that will best meet the needs of your specific workloads.

Equipment @ Police Department Forensics Unit Office Location

2x QuantaStor Storage Appliances (HA cluster) with 640TB raw storage (512TB usable)

2x QuantaStor Mobile Storage Appliances each with 50TB raw storage (40TB usable)



Dell R730
 Dell R730
 Dell MD1280
 84 bay 3.5" LFF 12Gb SAS



MotionFX Hardware Platform



Dell/EMC Based Hardware Platform

Equipment @ Centralized Datacenter

2x QuantaStor Storage Appliances with 1.2PB raw storage (1024TB usable) scalable to over 64PB



Dell R730
 Dell R730
 Dell MD1280
 84 bay 3.5" LFF 12Gb SAS
 Dell MD1280
 84 bay 3.5" LFF 12Gb SAS



Dell/EMC Based Hardware Platform