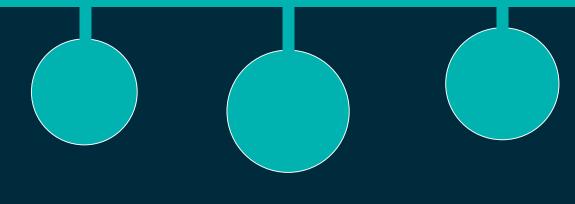# Grundon's 3 Stage Journey into Software-Defined with DataCore SANsymphony™

Grundon Waste Management Ltd, the UK's largest waste management and recycling company, gained control of their 250TB data sets growing 20% YOY, across 7 major data centre sites and regional offices, deploying a stable, optimised virtual infrastructure with SANsymphony™ software-defined storage. We plot Grundon's 3 stage journey into Software-Defined Storage with quotes from Ross Drake, Head of ICT, Grundon:

Gain control of Grundon's data via powerful, behaviour based, automated Auto Tiering
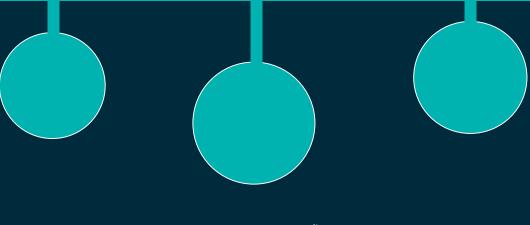
"The growth of unstructured data would have challenged both the scalability and stability of our entire virtualised infrastructure." First, Heat Mapping provided real time monitoring and view of system behaviour and performance allocation of data. Then, SANsymphony's Auto Tiering automatically tiers data via real time usage. Thereby the hottest data sets were fed to Grundon's fastest storage assets, and the less used and relied on data reached older storage arrays.

Utilise Thin Provisioning to avoid up front disk procurement and over-allocation

"Absolutely allocating just the required exact amount of disk" SANsymphony creates virtual volumes to pool and dynamically allocate disk as and when required, so no need for up front speculation as to how much disk was required.

Achieve full Management Capabilities across the Grundon estate

"Gaining control of our storage layer has had profound ramifications across the entire estate." Using SANsymphony, Grundon have assured availability with failover and failback for Maintenance Migration and Disaster Recovery. Ross Drake, Head of ICT, Grundon concludes: "Our primary objective - to have full control of the storage layer to power the entire estate - has materialised and we now have the required flexibility, stability, performance and manageability to assure us for years to come."

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