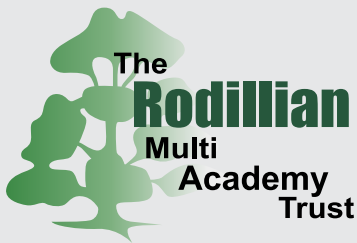# StarWind
HYPERCONVERGENCE

Rodillian Multi Academy Trust reduces its IT operational expenses by centralizing its domains around StarWind HCA

About the Company

Rodillian Multi Academy Trust is a trust of secondary schools in the Yorkshire area of England. It specializes in transforming under-performing schools by allowing them to benefit from "The Rodillian Experience."

Company Profile

Education

Contact Person

Mark Newman,
Director for ICT & Data

Problem

The organization was looking for a hyperconverged platform to enable domain centralization and scalability.

Solution

Using StarWind HCA, the organization resolved its out-of-warranty server issue and ensured resilience and high performance of its IT infrastructure.

Problem

Before implementing StarWind HCI Appliance (HCA), all the schools of **Rodillian Multi Academy Trust** were running separate domains using legacy hardware either with discreet SANs or direct-attached storage (DAS) and a mix of Hyper-V and a VMware hypervisor on top. The server estate was out of warranty and support at most sites. The existing infrastructure was not suitable for running the organization's central services and primary site. So, Rodillian Multi Academy Trust needed a solution that would provide robust resilience and capacity/scalability for the potential growth of the organization.

Solution

Rodillian Multi Academy Trust has chosen a highly cost-effective **StarWind HCA** solution as it provided both resilience and high specification hardware. The organization went to the market and looked at other solutions and **StarWind HCA** was deemed the best value product for its requirements. Using StarWind HCA, all out-of-date and out-of-support servers were replaced with one high-performance hyperconverged platform. The StarWind product allowed to centralize the organization's domains into one with Hyper-V on top and to be scalable as Rodillian Multi Academy Trust grows as an organization.

> StarWind HCA has proved successful, our domains are centralised and performance has been excellent.

Mark Newman, Director for ICT & Data

StarWind HyperConverged Appliance Configuration

Appliance Model	HCA V-Spec 57.5
Cluster Size	3 nodes
Cluster density	6U
Servers	SuperServer 2029P-E1CR24H
CPU	2 x Intel® Xeon® Gold 5220R, 2.20 GHz, 24 cores, 48 threads per node
Memory	12 x 32GB 2666MHz DDR4 (384 GB total) per node
Cluster Storage Capacity	57.5 TB of All-Flash storage
Disk Configuration	LSI 3108 w/ SuperCap 11 x MICRON 5300 PRO 3840GB SATA 2.5" SSD per node 2 x SAMSUNG PM883 240GB SATA SSD per node
Networking	Mellanox ConnectX®-4 Lx EN Dual Port 25GBe SFP28 NIC Supermicro Quad Port 10Gb/s SFP+
Hypervisor	Hyper-V on Windows Server 2019

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