

## Dartmoor National Park Authority

### Dartmoor National Park Authority

First designated as a National Park in 1951, Dartmoor contains the largest and wildest area of open country in the south of England, covering an area of 954 sq km (368 sq miles).

The purposes of the Dartmoor National Park Authority is to conserve and enhance the natural beauty, wildlife and cultural heritage of the National Park; and to promote opportunities for the understanding and enjoyment of the area's special qualities by the public.

The Authority employs specialists in ecology, woodlands, archaeology, historic buildings, information and interpretation as well as planners and administrators.

### The Challenge

In common with many local authorities Dartmoor was facing the problem of poor utilisation of its physical server infrastructure. IT budget spend on physical servers as point solutions also adds to the challenge of management complexity and shrinking backup windows.

Based on a long term relationship the National Park Authority engaged Cristie to help find a cost effective way of increasing IT performance, reliability and scalability. Any solution also had to fit in with the authority's goal of exceeding government targets for reducing carbon emissions. It was important that the technology being recommended would improve utilisation and ease management issues whilst utilising industry-leading technologies to expand and augment the existing investment in storage and backup hardware.

### Virtualisation with Energy Efficient Storage Provides the Answer

Using data gathered by Cristie's virtualisation Capacity Planning Service Cristie were able to implement a solution based on VMware vSphere4 and an energy



### Challenges

- Poor utilisation of its physical server infrastructure
- Shrinking backup windows
- IT budget
- Reducing carbon emissions

### Solution

- VMware vSphere 4
- Energy efficient shared storage SAN based RAID systems from Nexsan Technologies

### Benefits

- Simplified management
- Improved the provisioning and upgrading of servers
- Reduced outgoing expenditure
- Reductions in rack space along with power and cooling requirements to achieve greener IT goals



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Storage / Virtualisation  
Backup / Recovery / Protection



efficient shared storage SAN based RAID systems from Nexsan Technologies.

Cristie specified Veeam backup software for VMware backup and recovery and Cristie Professional Services & Project Management were responsible for implementing the new virtual infrastructure.

"We chose to recommend the Nexsan storage and VMware as the most appropriate solution based on the performance, reliability, efficiency and cost of the systems" says Ryan Smith, Cristie's Sales Director.

#### Business Benefits

Virtualisation of physical servers has simplified management and dramatically improved the provisioning and upgrading of servers. Reductions in rack space along with power & cooling requirements go a long way towards achieving green IT goals. The solution chosen by Dartmoor National Park Authority has reduced total cost of ownership, reduced ongoing expenditure and improved service to users from performance and adaptability point of view.

"Virtualising our environment has enabled us to do more with less, we now have just two physical servers!" commented Ali Bright, IT Manager for Dartmoor National Park Authority.

#### • About VMware

VMware is the leader in virtualization and cloud infrastructure solutions that enable businesses to thrive in the Cloud Era. Customers rely on VMware to help them transform the way they build, deliver and consume Information Technology resources in a manner that is evolutionary and based on their specific needs. VMware has more than 500,000 customers and 75,000 partners. [www.vmware.com](http://www.vmware.com)

#### • About Cristie Data

Cristie Data have been IT infrastructure and data management specialists for over 40 years. We take a consultative and platform agnostic approach to any customer project and advise on solutions that are best aligned to your businesses. [www.cristie.co.uk](http://www.cristie.co.uk)