

## Aer Lingus flies free of Storage problems with Tegile Arrays



Aer Lingus, Ireland's national airline has solved its storage problems by implementing Tegile's flash driven storage arrays. Swamped with an evergrowing amount of data stemming from all areas of its business, Aer Lingus needed to find a scalable, cost-effective solution to supplement its existing EMC storage. The airline chose Tegile to alleviate its storage problems due to its scalability, high performance and unique combination of compression and deduplication.



### Challenges

- Performance of legacy storage slowing operations
- Costs running out of control with high capacity growth rates
- New VDI project not feasible on legacy storage

### Solutions

- Tegile Intelligent All-Flash Arrays with a hybrid twist

### Results

- Significant application acceleration
- Storage footprint reduced by 75%
- VDI project put in motion by moving to Tegile

### Expensive Expansion

Aer Lingus' primary mission is to connect Ireland with the world by offering its customers the best product at a competitive price. To keep prices competitive, the airline needs to have an IT infrastructure that is cost-effective yet high-performing. However, with 58 aircrafts and 11 million passengers per annum, Aer Lingus amasses a huge amount of data. This data comes from all areas of the global business - from flight reservations to air control to internal communications - and the airline faced the challenge of how to store it in an accessible, economical way.

Aer Lingus has a continuous stream of new and on-going projects that require a strong IT infrastructure to manage successfully. As such, there is a high level of demand on the airline's storage infrastructure as it is required to scale in order to handle and provide access to the growing amounts of data. With just an EMC storage solution, Aer Lingus was unable to scale at the speed necessary to cope with projects such as data warehousing and VDI deployment. For example, data warehousing creates a central repository of all the airline's data, which demands a flexible solution to cope with the data traffic during peak times. The deployment of VDI means that the airline has a consolidated, more efficient environment with the ability to access desktops remotely but with this benefit comes the need for the IT infrastructure to scale to handle the consequent increased data load. With just the EMC solution in place, the airline had to continually invest in expensive, additional storage space from EMC to cope with the increasing amount of data.

### Solving the Storage Problem

To combat its storage issues, Aer Lingus decided to deploy Tegile's all-flash arrays alongside its EMC solution to keep its large server and continuous file share on the go. After conducting evaluations with various other large storage companies such as Apache and HP, the airline chose the start-up Tegile based on the high performance and cost-effective nature of its arrays. Following a successful deployment, Aer Lingus has been able to move critical data, such as its corporate file share, to the scalable arrays, negating the need to expand its EMC solution further. By separating its file share onto the Tegile arrays, the airline is able to fully access and store its corporate data while accommodating its increasing load more easily. Flash is quickly becoming the latest trend for businesses but it is important not to forget the benefits that disk can still offer in terms of costs. Tegile offers the airline all-flash array with a hybrid twist so that it can take advantage of both the future of flash and

the capacity of disk. To explain how this is done, while all-flash, many Tegile arrays have the industry-unique capability to turn into a hybrid solution through the addition of up to two 72TB expansion chasses. This means that the arrays can expand capacity up to 146 raw terabytes and resolve the cost to gigabyte challenge other all-flash arrays cannot address. So, with this distinctive feature, the Tegile arrays deliver leading performance with flash but also stay within the airline's cost constraints by offering a hybrid feature.

### Reaping the Benefits

"For Aer Lingus, there haven't been any downsides," states Price, "Tegile's arrays offer storage that is rich with features to enhance data management." To provide an

example of the features available, the airline has found the replication application to be an ideal element as it updates files in real time from each of its two data centres, ensuring continuity across the business. The combination of deduplication and compression brings a unique element, being the first of its kind for the airline's storage system. With deduplication and compression, Aer Lingus is using 75% less capacity, lowering the cost per GB of its Tegile array. Aer Lingus has used the arrays to revamp its internal infrastructure and provide the bandwidth necessary to support end-user needs. The IT team is already seeing benefits with projects, such as VDI deployment, being launched with ease. Price notes: "With the implementation of Tegile's arrays, storage is no longer an issue at Aer Lingus. The deployment has

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