

# Impax Asset Management



*“With Techgate’s Cloud Availability powered by Double-Take solution, we get a great service that just works; there are no surprises and no disruptions and we can focus on what we do best – making smart investment decisions for clients.”*

- Darren Johnson, COO



## Project Background

Financial markets and investment opportunities are relentless and unforgiving. Impax needs a high availability environment that prevents downtime; no matter what its source may be or when it occurs.



## Business Challenges

Financial management is a non-stop business. Yet disasters can happen anytime. What’s more, while the word “disaster” evokes visions of earthquakes, floods and fires, in an IT context, a disaster is any event that blocks access to data and applications for an unacceptable period.

With that in mind, Impax wanted a solution that would allow effective disaster recovery in a way that minimizes downtime and virtually eliminates the risk of data loss.



## Solution

Techgate plc, a leading UK provider of high availability IT managed services, specialising in cloud-based Disaster Recovery, delivered the solution that Impax needed: A replica virtual data centre that is kept continuously synchronised with Impax’s production servers utilising Double-Take Availability.

### Company name:

Impax Asset Management

### Headquarters:

London, UK

### Industry:

Financial Asset Management

### Business environment:

- Founded: 1998
- Assets under management: £3.1 billion (as at 31.03.2015.)
- Focused on investment opportunities created by the scarcity of natural resources and the growing demand for cleaner, more efficient products and services

### Implementation team:

Techgate plc

## Solution (cont.)

The virtual data centre is hosted on Techgate's IBM System x-based secure Enterprise Public Cloud infrastructure, a VMware® Hybrid Cloud Powered platform, about 35 miles from the Impax Head Office which houses their primary systems. That distance ensures that if the primary platform is unavailable due to a disaster, the recovery virtual data centre will still be available.

Double-Take Availability replicates data changes made on the primary servers to virtualized recovery servers in real time. As only changed bytes are replicated, not whole files or blocks, the solution is efficient with bandwidth. All of the replication is done through a VPN tunnel over Impax's existing Internet lines, without impeding other Internet traffic.

Data replication is done in real time, so there is virtually no risk of data loss. All data is synchronised to Techgate's platform as soon as it is created or updated.

If the primary servers become unavailable, users can be quickly switched to the recovery servers, connecting to Techgate's platform. In addition, if employees can't get to their desks due to a disaster, they can relocate to an IBM workplace recovery facility located in the same building as the recovery data centre until their offices are accessible again.

Thanks to Double-Take Availability, Techgate has been able to guarantee that Impax will suffer minimal system downtime due to disasters. Techgate knows that it can keep that promise because it tests failovers at least once a year.

Impax's IT staff needs solutions that require little management. Double-Take Availability fits the bill. It works behind the scenes. Users don't know it's there and the solution requires minimal administration. By using Techgate to provide the virtual recovery data centre and manage the disaster recovery solution, Impax is free to spend its time doing what it does best—managing investments—without having to worry about the availability of its systems.

That latter point sums up one of the greatest benefits of Techgate's solution and Double-Take Availability. It delivers peace of mind. Impax is now confident that the critical systems and data, will always be available, no matter what.

## Results

- An affordable DR solution that doesn't strain the company's IT department
- Guarantees recovery times
- Assures near-zero data loss
- Allows Impax to focus on its core competencies, without having to worry about managing system availability

## Technologies

### Software:

- Double-Take® Availability™
- Microsoft Windows®
- VMware® Hybrid Cloud Powered

### Hardware:

- IBM® System x3550 M4 servers
- IBM Storwize® V7000