



# INFOPLEX BUILDS STRONG FOUNDATION FOR GROWTH WITH RED HAT ENTERPRISE LINUX

## FAST FACTS

Industry	Application hosting, Construction
Geography	Australia, Asia
Challenge	In the face of increased growth, Infoplex recognised that its existing IT environment was beginning to push its capacity limits. The company needed a solution that could provide greater scalability and reliability to accommodate its rapid growth and ensure there was no downtime.
Software	Red Hat Enterprise Linux 4, Red Hat Network Satellite and Postgres
Hardware	Dell R900 Pulsar chipset and Dell 2950 Woodcrest servers
Benefits	Quick migration that was up and running within five days. Double the capacity with the ability to host currently 300 projects. Increased scalability allowing for 30,000 users and over 300 million documents. Support and guidance from Red Hat.



## BACKGROUND

Managed services provider, Infoplex delivers flexible, cost-effective access to data storage and management technology. Infoplex is supported by large scale infrastructure and an effective management methodology.

Infoplex, a wholly owned subsidiary of Leighton Holdings, offers a number of powerful software application hosting and storage solutions that enable businesses to concentrate on solving business problems and creating value with applications, without having to own or host the applications in house.

Infoplex ensures customers have the ability to accommodate evolving business strategies, meet market and campaign-driven demand and fulfill compliance requirements – without the need for significant investment in infrastructure and expertise.

By leveraging network assets from global network partners, Infoplex provides comprehensive network, data hosting and IT system and storage management services both nationally and internationally.

## CHALLENGE

With the size and number of files the company deals with for customers, effective management and storage of the file data has always been a key concern for Infoplex.

“Our customers need to concentrate on their own core businesses, so it’s up to us and our technology to ensure their information systems operate effectively with minimal downtime,” comments Sean Kaye from Infoplex.

“That’s all our customers need to know – that we are on top of it – how we do that is up to us to work out.”

The size and shape of the Infoplex environment was beginning to push the limits, and the company demanded greater scalability that could handle the level of growth it was experiencing.

“We had grown to a point where we had some 75 projects running on our system and so cost became another big factor for us.

“Some of those projects valued downtime at around one million dollars per hour, so any system downtime



would have a fairly significant financial impact on the organisation," says Kaye.

## SOLUTION

To keep up with the demands of its impressive growth, Infoplex migrated to its new Incite environment, based on the Red Hat® Enterprise Linux® operating system and Postgres.

Incite features one of the largest Postgres databases in the world and today services a number of large construction and engineering organisations by providing collaborative services for projects.

The overall solution was established on a Dell R900 chipset with a number of Dell 2950 Woodcrest servers and an EMC Symmetrix storage array. It also leveraged the existing Cisco network and Red Hat Network Satellite was installed to efficiently manage, deploy and update the system.

As Kaye recalls, the entire migration took place over a period of five days and its success was largely dependant on the support of partners like Red Hat.

"The migration took place during a time of rapid growth, which made it crucial to have easy access to powerful, credible technology resources and assistance to make it work.

"We just had to ensure the new platform would deliver what it promised."

## BENEFITS

Since the migration twelve months ago, the number of projects on the new Incite program increased to over 300.

According to Kaye, "Approximately \$50 billion dollars worth of projects currently reside on the Incite system and it is used by 30,000 people in Australia, New Zealand and Asia on a daily basis."

The system uses around 120 million documents in each of its four stores, with a further three stores being developed, and 300,000 million documents reside in approximately ten terabytes of storage.

"To be operating successfully at this level required that we challenge the existing performance capabilities of our file system and hardware components – and Red Hat's credibility really enabled us to do that.

"The calibre of Red Hat's consultants and support personnel is exceptional and has allowed us to deploy systems quickly – and with the confidence of knowing we're adhering to industry best practices.

"Our support staff learned first hand from expertise that extends beyond the operating system into design and management practices that will give us a strong competitive edge. We have extended our skills through Red Hat's training and certification programs and now have two Red Hat Certified Engineers (RHCE) on staff. These people ensure we can offer premium services to customers who require us to host and manage open source applications," concludes Kaye.

Looking forward to future growth, Infoplex also intends to investigate a number of technology paths, including that of virtualisation. As part of this, the company is currently testing Red Hat Enterprise Linux 5 with a view to a potential upgrade in the near future.

## RED HAT SALES AND INQUIRIES

---

1-888-REDHAT1  
www.redhat.com