

Keylane Hybrid Cloud

Flexible and scalable,
with the safety, continuity and
security of your own platform

#key to flexibility

WWW.KEYLANE.COM



Keylane Hybrid Cloud

Keylane is at the final stages of a 'proof of concept' of Hybrid Cloud. This Tech Note shares more insights on this project and what value it will add for our customers.



The Cloud

In a private cloud, the computing resources of an organisation are exclusively dedicated to the use by that same organisation. The infrastructure can be located in a privately owned data centre or managed by a third party. However, the infrastructure is always managed on a private network. The Keylane SaaS platform is an example of a private cloud, managed by our hosting team on privately owned infrastructure.

In a public cloud, the computing resources are owned by a so-called cloud provider and typically delivered over the internet. Infrastructure can be located in data centres all over the world and computing resources can be hired for nearly any amount of size, in any duration of time.

Well known examples of public clouds are Microsoft Azure, Amazon AWS and Google Cloud.

In general, each sort of cloud comes with its own advantages and it depends on the business case for the organisation what is the most fitting solution. However, when you are a private cloud provider like Keylane, you wish to offer your customers scalability and additional computing capacity. Hybrid cloud is an effective way to achieve this.

Simply put, a hybrid cloud transparently connects an organisation's private cloud with the public cloud, as if there is one big data centre with virtually unlimited resources.



Hybrid Approach

Now this sounds simple enough, but there are quite a few prerequisites to setting up a hybrid cloud. Over the past years, Keylane has been developing an internal cloud infrastructure which enables us to take a modular approach to physically extending our own private infrastructure as well as making it possible to transparently extend our platform capacity using public clouds. With platform 2.0 operational, we are now able to make use of the power of hybrid cloud. It provides us with the capability to react to business needs with a far greater agility than previously possible and more freedom of choice in where we want our products to reside.



Added value for customers

Keylane has extensive experience when it comes to forecasting the compute capacity demands for customer operations. Traditionally, the total capacity of our own data centre is scaled to be sufficient to satisfy the daily needs of our customers and ourselves in terms of performance, data growth and managing peak loads. On a daily basis we make trade-offs between demand and supply to reach an optimum for cost-efficiency.

There are situations however where we need a lot of capacity for a limited amount of time. For example: for extra volume test runs, voluminous proof of concepts, foreseeable peak loads which would lead to performance degradation in our own data centre, or to expedite the onboarding of new customers while we are still waiting for new hardware to be delivered to our own data centre.

“By moving to hybrid cloud, we are steadily moving to a future in which hosting is never going to be sold out anymore capacity-wise”

We could base disaster recovery scenarios on usage of the hybrid cloud, reducing the need for expensive additional just-in-case capacity on our own platform.

Using hybrid cloud, we can choose to move these loads to public clouds - with all the safety, continuity and security of our own platform. We can move these loads transparently out from our own data centre to a public cloud in a matter of hours.

By moving to hybrid cloud, we are steadily moving to a future in which hosting is never going to be sold out anymore capacity-wise, provided there is sufficient budget available to match requirements.

The real power of the hybrid cloud solution is to no longer be concerned about the availability of sufficient capacity for customer requests and special projects.



**Great, when do we start?**

We are already underway with a proof of concept moving real life environments to the public cloud. For this proof of concept, we are collaborating with IBM and using their hybrid cloud solution. Having the ability to move some load to public cloud already helps us to bridge a period in which we are ordering and adding new capacity to our own data centre.

When we successfully finalise the POC, we can start to undertake the integration of the use of hybrid cloud into our operational processes and make this service available to our customers and our own organisation. We will also be researching the usage of hybrid cloud solutions with multiple vendors and cloud providers, unlocking more freedom of choice in the future.

What's up next?

Finalising the proof of concept and putting a plan in action for integrating the usage of hybrid cloud as part of our SaaS services and offerings.

For more information, contact marketing@keylane.com.

About Keylane

Keylane is a leading European supplier of SaaS based software solutions for insurers and pension companies. More than one hundred financial service providers in Europe use Keylane's software and achieve measurable results such as reduced costs, shorter time-to-market and higher levels of customer satisfaction. Thanks to its in-depth knowledge of the industry and innovative technology, Keylane is able to offer its customers an excellent service. Visit keylane.com to learn more or to find your local office.

We empower the insurance and pension industry to transform through technology

