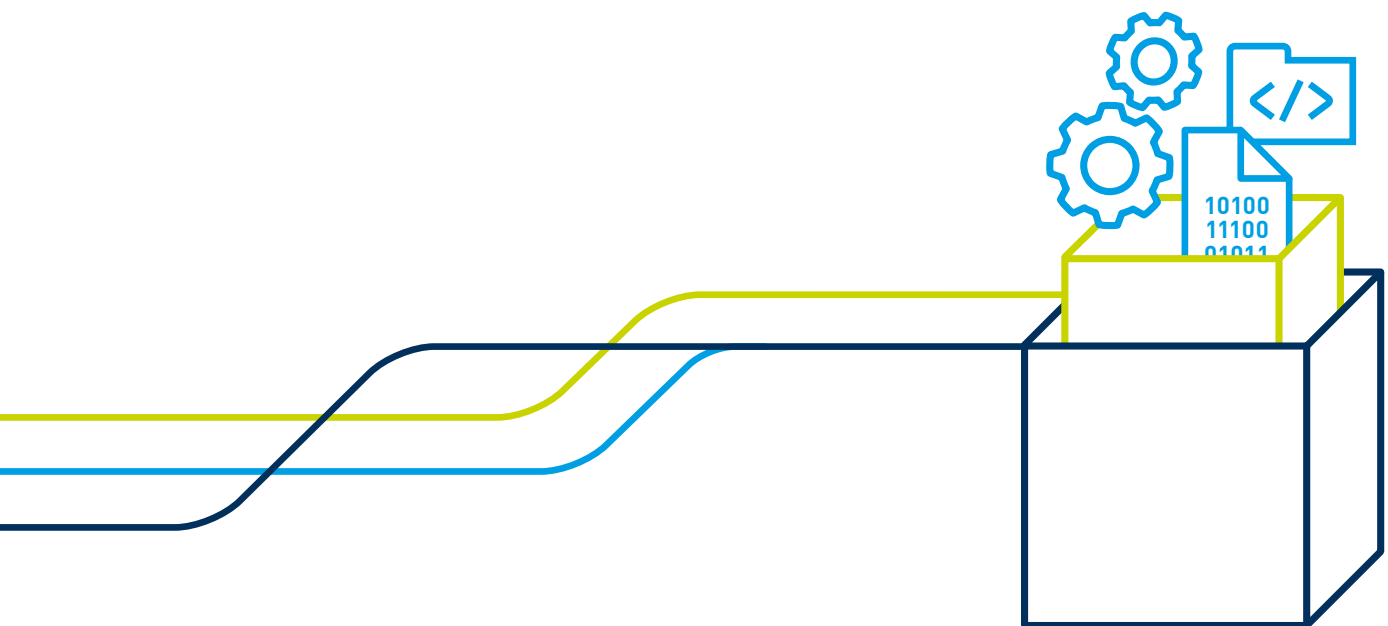# Futureproofing IT –
Containerisation in the IVU.suite

YOUR PATH TO CONTAINERISATION
SECURE, FLEXIBLE AND EFFICIENT

More security, higher availability and faster updates - containerisation is the key to modern and future-proof IT operations. This is why IVU is switching its solutions for operations, ticketing, passenger information and billing to modern container technology. The result: a stable IT landscape that functions reliably and can also cope with future requirements.

What does the changeover mean for you?

Implementing container technology requires a powerful system for managing complex environments. IVU relies on Kubernetes - the leading open-source solution. This means that applications are automatically distributed, monitored and scaled - a modern infrastructure based on IVU's many years of expertise.

## Containerisation: all the benefits at a glance

More security
Containers run in isolation from each other - disruptions or attacks are restricted to individual components and the overall system remains protected.

Fewer costs, more flexibility
Established open-source technologies permanently reduce operating costs and minimise dependence on proprietary solutions.
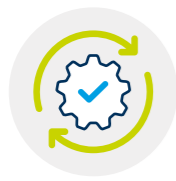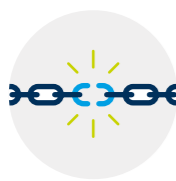
Fast and targeted updates
New applications, features and security patches can be installed during operation without interruptions or downtime.

Flexible and scalable
Containers adapt to growing requirements: new applications can be integrated quickly and systems can be extended easily.

Independent of infastructure and platform
Containerised applications run stably on any infrastructure or cloud - regardless of the operating system.

Productivity through automation
Standard tasks such as installation, updates and management are automated which noticeably reduces the burden on IT.

Your operating options

Depending on your initial situation, containers and Kubernetes can be operated in different ways. Three operating models are available for this which differ in terms of responsibilities, infrastructure and integration effort.

1. Fully managed container platform in the IVU.cloud

IVU handles the entire technical management and administration for its customers' containers. This creates a platform which companies benefit from through high stability, scalability and security.

OUR RECOMMENDATION

kubernetes

- **Stable operations**
  Operations, monitoring, updates and scaling are taken care of

- **Automated processes**
  Kubernetes distributes containers, monitors them, and responds to incidents

- **High stability**
  Data security, access controls and monitoring are integrated

- **Flexibly scalable**
  Resources can be adjusted quickly and at any time

- **Future-proof**
  Platform based on standards and will be continually developed

2. Hybrid model

Some applications continue to run in their own environment, while other components are operated in IVU.cloud. This may increase the coordination effort between internal IT and IVU.cloud teams.

3. Own operation or external partner

Containers can also be operated in an in-house infrastructure or by an IT service provider. The responsibility for operation, updates and security lies with the customer.

Containerisation in the IVU.suite –
Future-proof, stable and efficient

The IVU.suite combines state-of-the-art technology with decades of experience. Kubernetes provides automated control and scaling, while IVU ensures secure and stable operation. The result is a platform that is convincing today - and ready for new challenges tomorrow.

Get in touch to find out how switching to containers can make your company fit for the future.

Headquarters
IVU Traffic Technologies AG
Bundesallee 88
12161 Berlin

T +49.30.85906 - 0

contact@ivu.com
www.ivu.com