



**VOLKSWAGEN  
FINANCIAL SERVICES**  
THE KEY TO MOBILITY

Volkswagen Financial Services are one of the largest providers of automotive financial services in the world. The Volkswagen AG subsidiary today operates in 48 markets worldwide via its own subsidiaries, affiliates and joint ventures: <https://www.vwfs.com/>

### Industry

Financial Services

### Headquarters

Braunschweig, Germany

### About Evoila

Launched in 2009, Evoila develops new cloud solutions and IT infrastructures. This owner-run company supplies a wide range of customers – including banks, public authorities, manufacturing companies and mid-sized industrial enterprises – with professional advice and support in relation to VMware, Open Stack and Cloud Foundry: <https://www.evoila.de/en/>

### VMware Footprint

VMware vSphere®  
Tanzu™ Kubernetes Grid Integrated  
Edition  
VMware NSX-T

# New digital financial services ramped up thanks to VMware platform

Volkswagen Financial Services are a division of Volkswagen AG, one of the world's largest automobile manufacturers. Volkswagen Financial Services AG with its affiliated companies is part of Volkswagen Financial Services – together with Volkswagen Bank GmbH, Porsche Financial Services and the financial services companies directly or indirectly belonging to Volkswagen AG financial services companies in the USA and Canada – with the exception of the Scania brand and Porsche Holding Salzburg. Its key business areas include dealer and customer financing, leasing, banking and insurance, fleet management and mobility services. Present in 48 markets worldwide and with more than 16,558 employees, Volkswagen Financial Services are one of the largest providers in the mobility industry.

## Accelerating automotive financing worldwide

As the automotive industry undergoes momentous transformations, from electrification to autonomous vehicles to changes in consumer behavior driven by the pandemic, automakers must innovate to remain competitive. Consumers increasingly demand flexible payment options, from purchase and lease to car-sharing arrangements, intensifying demands on automotive financial institutions.

To stake out a leading position in this market, Volkswagen Financial Services are placing a strong focus on digitalization. To make progress here, the company has had to break new ground. The existing applications were no longer able to cover the rapidly growing requirements in the areas of “performance” and “time to market”.

“Our contract management software is an absolutely critical application,” says Marc Miether, Head of Middleware and Container Services at Volkswagen Financial Services. “It is the pivotal application in the leasing business for our country organizations. Without it, not a single new contract can be concluded across any of the Volkswagen Group’s brands.”

To meet these extensive application requirements, the company needed a platform that was flexible, highly available and secure at the same time. It had to be able to support the many different applications in the company, including those based on container technology.



The financial institution's new IT platform needed to comply with strict regulations mandated by Germany's Federal Financial Supervisory Authority (BaFin), and accordingly be up to date with the latest safety technology.

## VMware solution automates management of digital applications

In 2019, to support the rapid, scalable operation of standard applications, for example contract management software, Volkswagen Financial Services implemented VMware® Tanzu Kubernetes Grid Integrated Edition (TKGI) and VMware NSX-T. The deployment enables Volkswagen Financial Services to make a central application portfolio available to its fastest growing markets, help launch new business and protect its position in the highly competitive mobility sector.

"We chose the TKGI solution because we already have a very stable and efficiently managed vSphere solution in-house. On this basis the container environment, also supplied by VMware and so seamlessly integrable, has now been built. After a year in production, this has proven to be a good decision. So far, we have not experienced any platform-related downtime. In addition to stability, the high level of integration into our existing environment also allows us to address IT security and governance issues quickly and easily via the existing mechanisms," explains Marc Miether.

Previously, Volkswagen Financial Services had evaluated products from competitors. In the eyes of the Volkswagen Financial Services team the key plus point of the VMware solution was the automation and integration capabilities of VMware solutions. The resulting platform independence convinced the team that VMware offered the company a future-proof solution.

Marc Miether goes on to say, "Another advantage of having a large partner like VMware is the established and well-rehearsed support processes that have allowed us to solve problems and errors before the customer was affected."

## National subsidiaries gain faster access to entire application portfolio

Building the new platform on VMware TKGI and NSX-T allowed Volkswagen Financial Services to benefit from greater network automation, and using containers accelerated the provision of applications. "TKGI lets us operate lots of applications at the same time on a standardized platform, and to do so with just a small powerful team," Miether explains. "And now that we are using market standards like containers, it is so much easier to collaborate with the providers of software applications."

The customized use of IT by TKGI enables a more cost-efficient utilization of the available resources and thus also ensures a better business case. And with IT security paramount to the company, the new system ensures full compliance with BaFin regulatory and governance requirements.

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**"NSX-T allows Volkswagen Financial Services to implement their governance guidelines and fully satisfy all requirements in terms of compliance and cyber-security."**

Marc Miether, Head of Middleware and Container Services, Volkswagen Financial Services

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The new platform has already enabled Volkswagen Financial Services to provide an application for the processing of leasing business quickly and easily in fast-growing regions like The Netherlands and Mexico. Now these country organizations can stand up new leasing business and strengthen and stabilize the company's position amid the turbulence of the mobility market.

## Looking ahead

"With a partner like VMware by our side, we are very well equipped for developments in the automotive industry both now and in the future," says Marc Miether. As the Head of Middleware and Containers, he is also considering hybrid cloud concepts, envisioning that in the future Volkswagen Financial Services might purchase infrastructure as a service from a cloud data center to target additional growth and strengthen its position as a leader in mobility financing services.