Unpacked, tested, and ready for use

Bundespolizei

The German Federal Police is using Computacenter's (RDD) Rapid Data Center Deployment Services to set up new data center

Services
- Rapid Data Center Deployment
- Technology Sourcing

User Experience
- Increased efficiency and improved performance
- Increased user satisfaction

Geschäftsauswirkungen
- Reduced administration costs
- Reduction of costs and project risks
- Time saving
- Planning security

Objective

In June 2021, the Bundespolizei (German Federal Police) launched a project to build a new data center in Bonn. The aim was to set up a state-of-the-art data center in one of the three federal master data center locations, where the operation and provision of all federal police procedures would be centralised. The aim was to modernise the IT infrastructure in terms of security and availability by procuring all new hardware.

Solution

As the data center space in the Bonn master data center was limited to empty server cabinets and basic cabling, the Federal Police took on the rest of the set-up and installation work themselves. Due to the scope and demanding schedule of the project, they commissioned Computacenter's Rapid Data Center Deployment Services (RDD).

Outcome

With Computacenter's RDD services, the Federal Police were able to dramatically simplify and accelerate the installation of hardware in the first phase of the data center construction. In total, more than 220 IT components had been rolled out at the new site by the end of 2022. The hardware required for phase 2 has already been ordered and - where available - stored at the Computacenter Integration Center. This meant that the Federal Police were well prepared for the further expansion of the data center.

Objective

Establishment of a highly available, modern data center

As part of the federal government's IT consolidation and the associated modernisation of their IT infrastructure, the Federal Police launched a project to build a new data center in Bonn in June 2021. The aim was to set up a state-of-the-art data center in one of the three federal master data center locations, where the operation and provision of all federal police procedures would be centralised.

In the first phase, the plan was to migrate the specialist processes of the existing Koblenz data center to Bonn, followed by the data center in Berlin in phase 2. The IT infrastructure had to be modernised in terms of security and availability by procuring all new hardware. In March 2022, the takeover of an exclusive space in the Bonn master data center took place as planned. The equipment was limited to empty server cabinets and basic cabling, so the Federal Police took on the rest of the construction and installation work themselves. However, the scope and demanding schedule of the project required external support.

Solution

Rapid Data center Deployment Services from Computacenter

The Federal Police have been working successfully with Computacenter for many years, and after the IT service provider had already carried out the basic cabling in the master data center, they decided to rely on Computacenter for the hardware integration and deployment as well. The Rapid Data Center Deployment Services (RDD) were commissioned - a comprehensive service package for setting up and relocating data centers. As the services exactly matched the project requirements, the Federal Police were convinced that the project could be completed quickly and easily with Computacenter's bespoke service.

In order to optimally prepare the new hardware for installation at its future location, all IT components were first delivered to the Computacenter Integration Center in Kerpen and stored there in a consignment warehouse - regardless of whether they were purchased from the IT service provider itself or from another partner of the Federal Police. Computacenter assumed central responsibility for all further process steps and became the Federal Police's sole point of contact for all logistics.

In the Integration Center, the devices were electronically recorded, unpacked, and then subjected to a load test to check their functionality. This involved a diagnosis using the manufacturer's tools and an update of the firmware in accordance with the customer's specifications.

These steps greatly accelerated the subsequent installation of the hardware and reduced the risks and costs associated with the project. The electronic recording formed the basis for labelling the devices and subsequent transferral of data to the customer's asset management tool. Unpacking the goods meant that time-consuming ancillary activities could be completed in advance of the final installation. In addition, the dust and fire load on site was reduced and professional recycling of the packaging materials was ensured. The performance of the Integration Center's technical infrastructure came into its own during the load tests and updates, allowing a large number of devices to be tested simultaneously. The hardware could be retrieved as required from the consignment warehouse, which had been set up especially for the project. The Federal Police and Computacenter jointly drew up a detailed rollout plan, which ensured that the required equipment was delivered to the federal government's master data center on time.

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Thanks to Computacenter's Rapid Data Center Deployment Services, the installation of the hardware in phase 1 of the data center setup was considerably simplified and accelerated. In addition, we are excellently prepared for the second phase.

Michael Jokisch
Deputy Head of Division at the Federal Police

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For delivery, the ready-to-use devices were installed in flight cases on wheels, which enables easy navigation in the tightest of spaces and further reduced the installation time. The cases were then sealed and handed over to a Computacenter logistics partner for transport. The installation, including cabling and commissioning of the new hardware, was carried out by a mixed team of IT specialists from the Federal Police and the IT service provider.

From storage and preparation to installation in the data center, Computacenter met the high security requirements of the Federal Police at every stage of the project. In addition to transport in sealed flight cases and the selection of a security-certified logistics partner, this was primarily ensured by the comprehensive security concept of the Computacenter Integration Center with access restrictions in all areas.

Outcome
Successful completion of project phase 1

In total, more than 220 hardware components had already been rolled out at the Federal Police's new data center site in phase 1 of the project, completed by the end of 2022. Installation and configuration work was then carried out for the data center network, which forms the basis for all further upgrades and future application migrations.

At the same time, the hardware for phase 2 was designed from the perspective of the overall architecture. Due to global supply-chain shortages, the necessary servers, switches, and firewalls had already been ordered and - where available - stored at the Computacenter Integration Center. They remained there until finally transferred to Bonn and installed.

With Computacenter's RDD services, the Federal Police were not only able to considerably simplify and accelerate the installation of the hardware in the first phase of the data center expansion, but are also optimally prepared for further expansion in phase 2. This was also made possible by the excellent cooperation between the Federal Police and Computacenter teams, who will continue to drive the project forward with their expertise and commitment.

German Federal Police

As part of the internal security of the Federal Republic of Germany, the Federal Police performs extensive and diverse police duties, particularly in the areas of border protection, railway police, and aviation security. It also performs police duties on behalf of international organisations and supports the Federal Foreign Office in protecting German missions abroad. With around 45,000 law enforcement officers and 10,000 civilian employees, the Federal Police is represented at more than one hundred locations and is present at all important transport infrastructure points in Germany.

More information

To find out more about our enterprise services and read more customer case studies, please visit **www.computacenter.com**