

Company-wide SAP authorization management

Berliner Wasserbetriebe Success Story

Initial Situation: Berliner Wasserbetriebe, Berlin's water supply and wastewater disposal company, is subject to special legal requirements and must maintain high security standards. These apply to its business processes and IT operations. The SAP authorization system had grown over many years, offering great potential for holistic improvement to its SAP security & compliance. A number of processes were run manually, which was a constant stumbling block to daily operations and increased efforts for SAP admins and the Help Desk. In addition, authorization audits conducted afterwards uncovered SoD conflicts and critical authorizations.

Project Goal: The aim, in the context of the reorganization of SAP authorization and user management, was to harmonize authorization management in a transparent manner all across the company. There was a dual focus on increasing SAP security & compliance as well as digital and audit-proof documentation. Deployment of the SAST SUITE was intended to support the requirements from both internal and independent auditors.

Additionally, the goal was to optimize the process for assigning SAP authorizations. The idea was to identify SoD conflicts in advance as well as render the process understandable and intuitive for every employee.

“We chose SAST SUITE from AKQUINET because it is easy to use, offers real-time analyses and allows for a high degree of automation. The Suite's modular system allowed us to optimize our SAP systems one after another, preparing them to meet today's challenges, and to stand strong in the face of every audit, both internal and external.”

MARTINA ROSENFELD-GAUGER,
Team Manager for Business Administration &
Central Applications at Berliner Wasserbetriebe

Project implementation: Berliner Wasserbetriebe selected AKQUINET's SAST SUITE for the implementation after putting out a public invitation to tender. The brief included the associated support and adaptations to action recommendations made by SAST experts to meet the requirements

Thanks to SAST SUITE, authorization and SoD analyses are available in real-time and ensure compliance with legal guidelines. The result is an improved ability to identify critical SAP access attempts in addition to early detection of potential SoD conflicts. Requests for users and changes to roles are documented electronically – and automatically. Documentation is equally important for both internal and external auditors.

Critical authorizations and SoD conflicts are displayed and systemic security is monitored. Furthermore, vulnerabilities are identified automatically and SAST SUITE offers appropriate solutions for remedying them.

The web form specially developed for Berliner Wasserbetriebe now permits all departments to assign roles that meet the particulars of their requirements. Users see only those roles for which they are respectively authorized.

Project result: All in all, authorization management at Berliner Wasserbetriebe was simplified substantially. Now, SoD conflicts are identified in advance and roles and authorizations are assigned systemically according to predefined rule sets and SoD matrices. SAST SUITE can boast both easy administration and support for logging and compliance meeting all legal requirements.

At a glance:

- **Complete redesign of SAP authorization management supported by SAST SUITE, ensuring adherence to all security and compliance specifications**
- **Company-wide, transparent harmonization of authorizations in the SAP landscape for over 4,000 users**
- **Web form specially developed for Berliner Wasserbetriebe to streamline how all departments assign SAP authorizations**
- **Advance identification of SoD conflicts and technical vulnerabilities**
- **Early alerts about critical events detected by real-time monitoring**

Advantages for Berliner Wasserbetriebe:

- **Automation of authorization assignment processes**
- **Transparent, audit-compliant documentation**
- **Vulnerabilities flagged in real-time analyses**
- **Comprehensive SAP security & compliance requirements assured by modular structure of the Suite**
- **SAST and AKQUINET – software and consulting from a single source**



Berliner Wasserbetriebe have supplied drinking water and treated wastewater in Berlin for more than 160 years. Today, the company supplies drinking water to 3.7 million residents of Berlin and uses state-of-the-art innovative technology to treat and dispose of wastewater. Berliner Wasserbetriebe is one of the largest companies in the water industry, employing over 4,300 people and maintaining a 19,000 km network of pipes and canals.

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