



beta systems



## Security and Compliance for Hundreds of Banking Networks

Centralized monitoring and control for every savings bank in Germany

### Initial Situation

Working with Infraray, Finanz Informatik quickly implemented and is delivering centralized infrastructure and network access control (NAC) to German savings banks. These banking groups collectively have over 15,000 branches, 24,000 ATMs, 240,000 employees and 286,000 endpoints. These banks rely on Finanz Informatik's multi-tenant service – based on Infraray BICS – to control, secure, and centrally manage their IT infrastructures.

### Challenge: Central control of hundreds of separate networks for regulatory compliance

German savings banks must comply with extensive national and EU regulations pertaining to IT operations and network access and security.

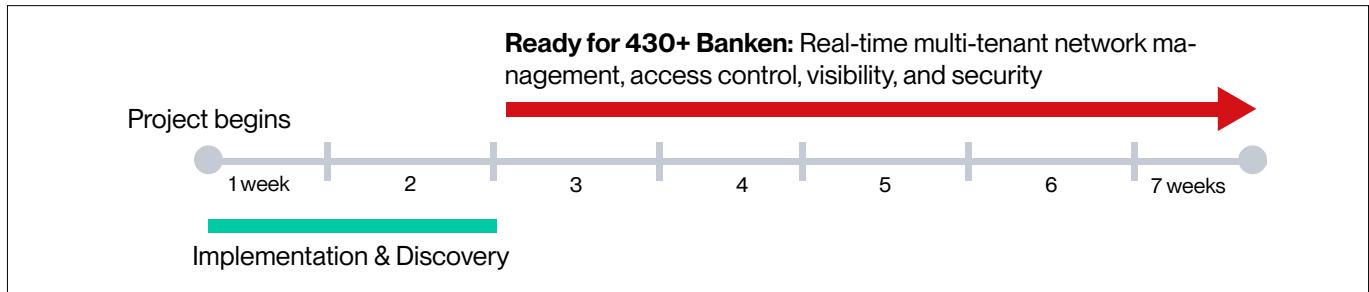
Their official IT services provider, Finanz Informatik was mandated to establish a complete view and granular control over the network of each subscribing bank, from one central console. Network operators at Finanz Informatik – and each participating bank – require the ability to detect and control every endpoint and shut down any device immediately.

### Benefits: A ready-made service offering

Finanz Informatik was able to quickly establish a scalable new service providing real-time endpoint visibility and access control over the entire multi-tenant network.

Each bank using BICS has a parallel view and control over its own network, but is completely insulated from all other tenants.

- Persistent, real-time visibility of all network components and security threats posed by unauthorized devices.
- The network of 600,000 ports is persistently-monitored, secured, and managed.
- Real-time visibility and CMDB data for each bank of all its own routers, switches, ports, and endpoints – from a single console.
- Quick detection and blocking when a rogue device is attached to a bank's network.
- Compliance with stringent EU banking regulations – with immediate control to detect, identify, enable or disable any network device, port, or endpoint.



It was imperative for Finanz Informatik to deliver infrastructure control as a cloud service on a SaaS basis, packaged with a service level and cost savings that would motivate banks to subscribe.

## Implementation: Ready for 430+ bank networks

Within two weeks, the multi-tenant implementation of BICS was fully operational and Finanz Informatik was ready to roll out the solution to savings banks across Germany. Since late 2010, Finanz Informatik has added 50 banks per year with all their branches, ATMs and other endpoints.

Several larger banking groups, meanwhile, chose to license directly from Infraray and meet their compliance and NAC requirements with an in-house Infraray BICS.

## Solution: Multi-vendor, multi-tenant, cost-effective control over hundreds of networks

Finanz Informatik evaluated offerings from the leading network hardware vendors, but they:

- Lacked centrally-managed, MAC-based authorization of endpoint devices
- were not designed with true multi-tenant and multi-vendor capability.
- Required an expensive, on-site NAC appliance at each bank.

These offerings were also incompatible with legacy devices - older switches and routers - provided by the same vendors. Conceived and designed for heterogeneous hardware and multi-tenancy, Infraray

Business Infrastructure Control Solution (BICS) also stood out because it guarantees that every savings bank has real-time monitoring of its own network, while Finanz Informatik can oversee them all.

## Implementation: Under 4 hours

BICS proved it can immediately identify and manage every router and switch from any manufacturer, and all ports and endpoint.

## Support: Few staff needed

Throughout Finanz Informatik's history of delivering BICS, operation has been stable and Infraray has received few support requests. Two parttime staffers at Finanz Informatik handle all incoming requests, even with hundreds of tenants/customer banks.

## Outcome

The majority of Germany's savings banks rely on Finanz Informatik for Infraray-based infrastructure control. With BICS, Finanz Informatik has achieved a stellar record of network management and access control for its growing customer base of Infraray users.

**”** Today, savings banks in Europe's largest economy meet security and network control requirements with Infraray BICS!