

# The IT Service Provider Finanz Informatik

Who we are. What we do.



### Content

- Overview of the company Finanz Informatik and Requirements
- Architecture
- ■Use case
- Questions



## The company serves a large part of the German retail banking market

#### Finanz Informatik – Company

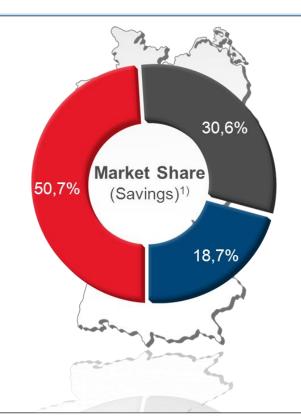
Revenue (in mill. €)	1,624
with saving banks	976
with state banks	338
Employees (full-time equivalents)	4,825

#### Customers

Savings banks	414
State banks + DekaBank	8
State home loan banks	9
Accumulated balance sheet of supported	764
savings banks (in bill. €) (2014)	

Savings Banks Financial Group







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Credit Unions December 30st, 2015

Sources: DSGV, statista (12/31/2014)

## Significant scale can be achieved through bundling volume IT services

Branches of supported savings banks	14,676
Bank-specific employees of supported	189,362
savings banks	

#### **Processing volumes**

Supported accounts (in mill.)	123

#### **End devices**

ATMs	24,693
Statement printers	14,155
Other self-service terminals	14,790
Booked entries per annum (in bill.)	11,6

December 31st, 2014





## Finanz Informatik is competitively positioned with its comprehensive portfolio







Projects

Information Technology



### What was our initial situation

## .Requirements



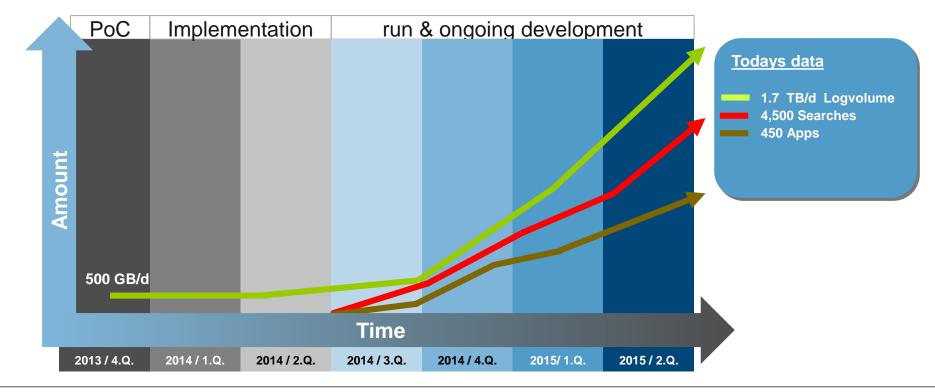
## Our Requirements for one solution

#### The Problem The Requirements **The Solution** 1111 1111 High availability, efficiency Mainframe **UNIX** Windows Network Mainframe UNIX Windows Network and safety Cross-Platform correlation splunk> **Different Enterprise solutions** Multi-Tenancy Realtime reporting and alerting Logfile analysis Logfile analysis Cross-platform Separated by platform





### The todays result of our logvolume growth





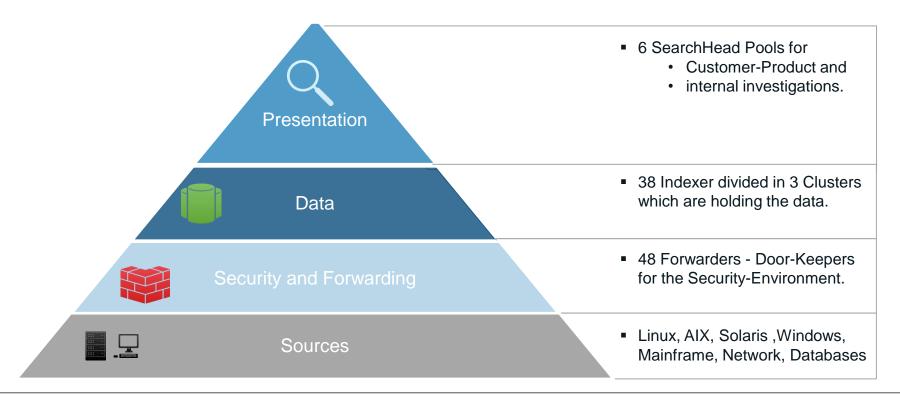
## How we implemented the Requirements

## .Architecture





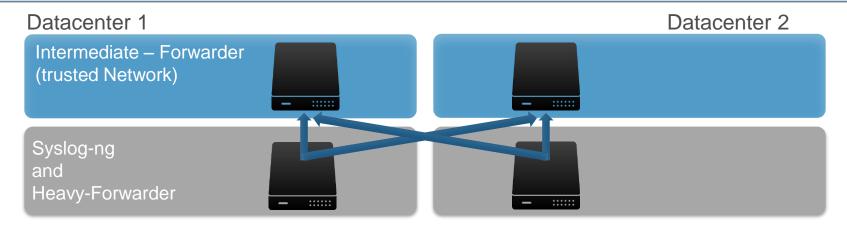
### FI-Architecture-Pyramid for splunk>





## Transport-Layer – Syslogs and Heavy-Forwarders as entry points for the different sources



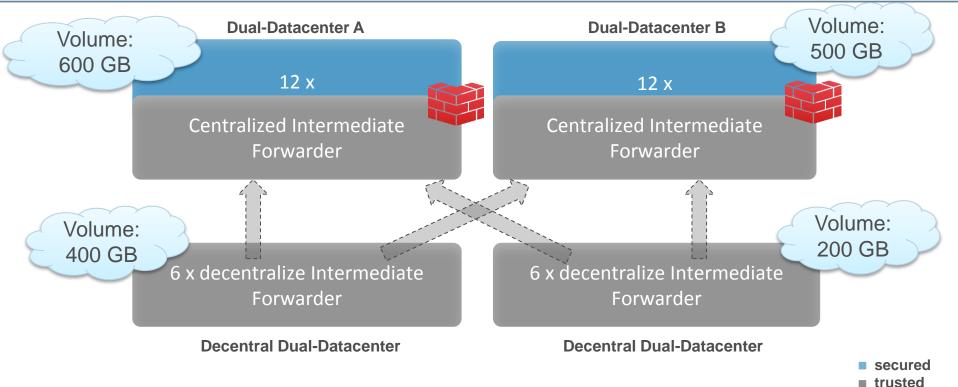






## Decentral event-data transportation to the datacenters







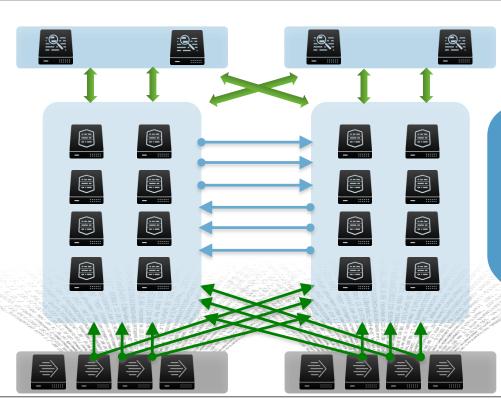
## The Main-Core: Data delivering, replication and searching within a dual datacenter design





Replication and distributed data storing

Data delivering





#### Infrastructure-Data

38 Indexer (physical)

- each 24 Cores and 128 GB
- 48 Forwarder
- 12 Search Heads (physical)
- 30 TB NAS
- **120 TB SAN**





## Presentation and Administration: Operating with well known apps ...





## S.o.S - Splunk on Splunk



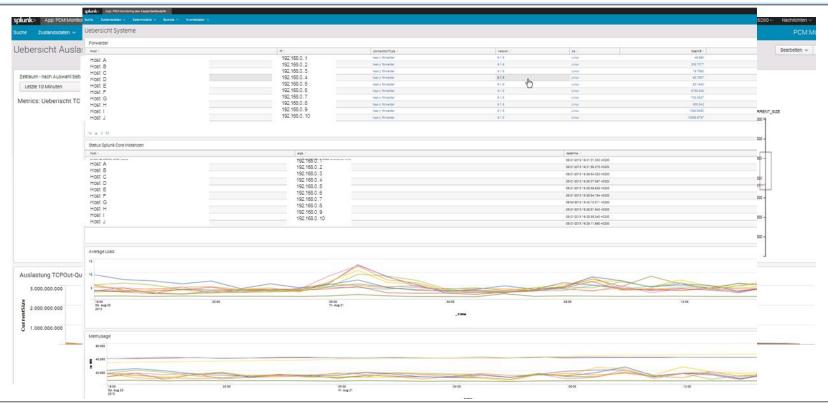
Splunk App for Unix and Linux

... and self developed Apps!



## FI-Operation-Monitoring-App for adminstration and monitoring of the infrastructure





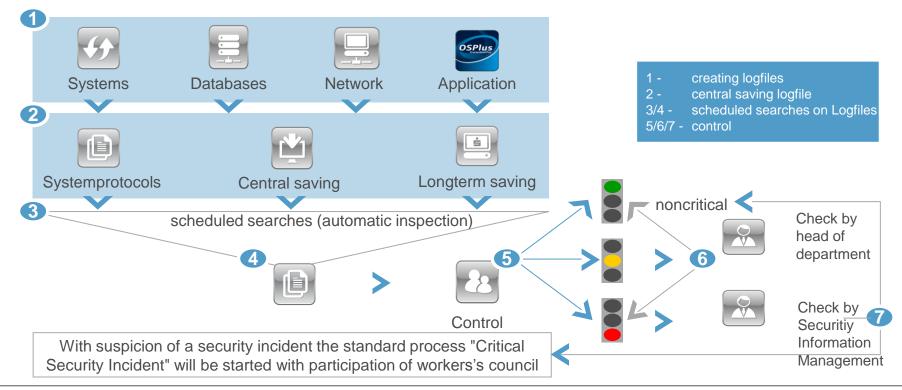
### A short story about one of our main use cases

.Use case



## Control checks the contact with customer data and follows on all platforms a uniform expiry







## In the Finanz Informatik the demands of control are fulfilled with the application splunk>



#### Services of control are offered to saving banks and to Finanz Informatik departments

- 90 savings banks (End of 2015) daily get the results of savedsearches as automatically created reports (pdf)
- each report inherits the results of (at the moment) 25 saved searches
- Head of departments (Finanz Informatik) also get daily reports and an alarm in one hour (in case of a security incident)
- depending on the requirement the amount of savedsearches is between 15 up to 30 savedsearches
- each report is equivalent to on app(UI)

#### logon

- unsuccessful logons
- · successful logons on non-buiseness times, etc.

#### Access to and change of configuration

• (un-)successful access to objects under control,etc.

#### Change of access authorization

- · creating and deleting/deactivating accounts, etc.
- blocking accounts
- · right escalation

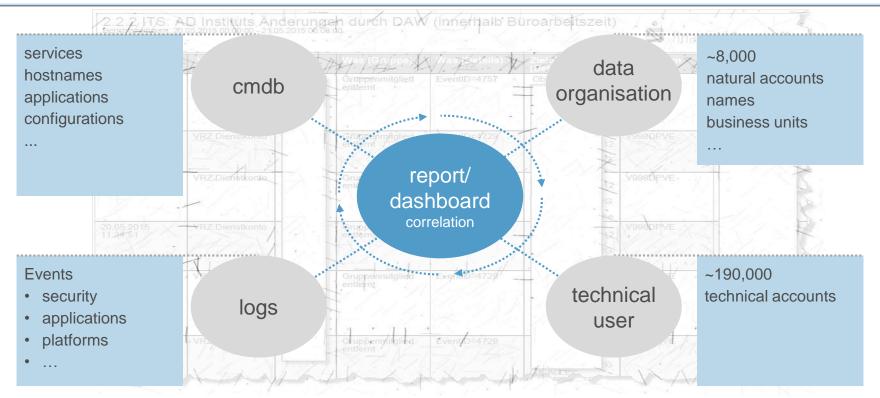






## Different sources and mechanismen are used to create ~200 dashboards/reports



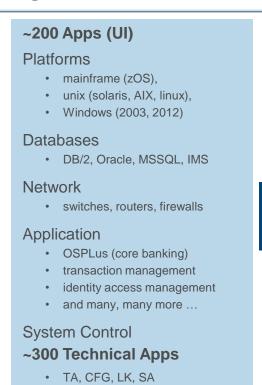


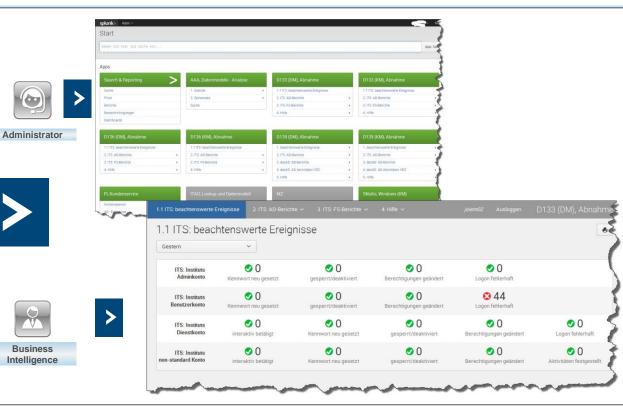


### **Complex IT-architecture**



#### High amount of searches will be scheduled daily in a short time period

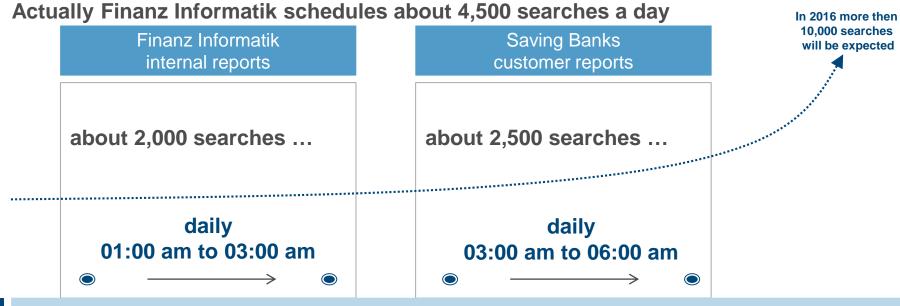






### **Complex IT-architecture**

Very great amount of searches will be scheduled daily in a short time period





Great challenge for splunk> and infrastructure at Finanz Informatik (economic view)



## .Questions?





# Thank you for your kind attention.





## Back up

