

## Breaking New Ground: Oracle's Transition from IBM AIX to vSphere Infrastructure

### industry

Government

### location

Germany

### key challenges

- Virtualize physical hardware to run Oracle
- Business continuity

### VMware products

- VMware vSphere
- VMware Aria Operations
- VMware Aria Log Insight

This government data center in Europe provides infrastructure at 1,200 locations throughout the country. More than 350 e-government solutions such as budget accounting, e-finance, and federal personnel management, e-customs, company, and land register depend in large parts on a smoothly running Oracle database. Because it was hard to guarantee better SLAs with the current physical hardware the database runs on, the customer turned to comdivision to help with the virtualization.

"The system was running on physical IBM Power Servers with AIX," said the database admin, "because of changing demand – for example, during election time – we had trouble meeting our SLA," he continued.

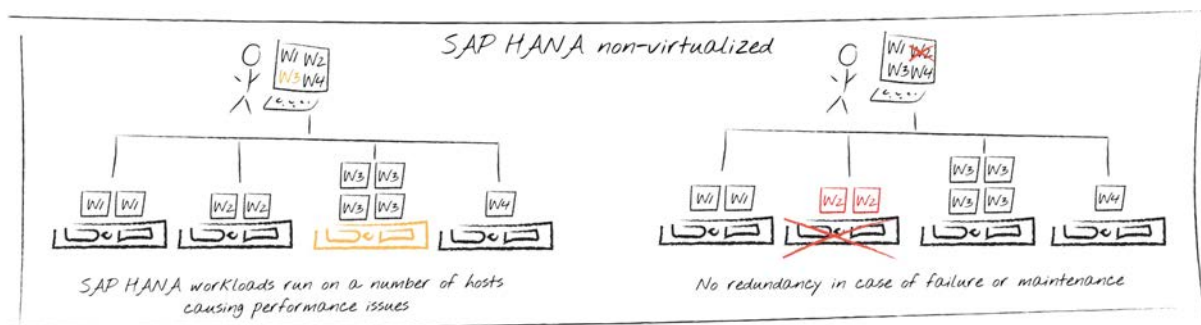
our lead architect on the case



Yves Sandfort

### the challenge

"During the initial workshop, we analyzed the customer's infrastructure," said Yves Sandfort, comdivision's lead architect on the case. "The IBM Power Servers needed a refresh, and we proposed to replace them with x86 hardware that would run RedHat Enterprise Linux on vSphere," Sandfort said.



### the solution

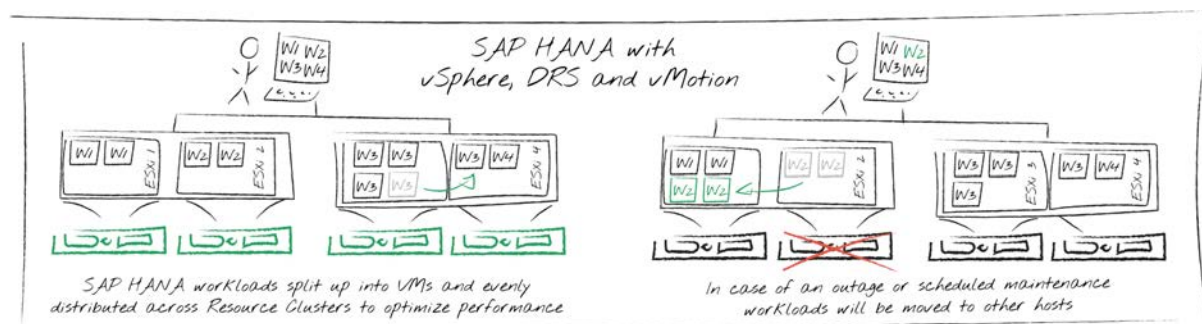
"We designed the vSphere infrastructure, including a strategy to support the Oracle licensing on vSphere," explained Sandfort. "In order to proactively adjust the compute resources for the cluster, we integrated VMware's Aria Operations and Aria Log Insight," Sandfort continued.

## solution

Using RedHat Enterprise running on vSphere, the customer was able to proactively monitor the performance of their systems with Aria Operations. This gave the customer to dynamically adjust the required compute resources for the cluster.

Aria Operations provides continuous performance optimization, efficient capacity management, and intelligent remediation, as well as integrated compliance. "Combined with Aria Log Insight, which provides deep operational visibility and faster troubleshooting through the use of highly scalable log management with sophisticated analytics, the customer will be able to spot performance issues before they occur," said Sandfort.

Critical support during the migration phase was also provided, and standardization for the new virtual infrastructure to ease troubleshooting was introduced.



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## Customer's head of IT infrastructure

## the result

"Migrating the large Oracle databases to the new virtual infrastructure resulted in a 70% performance increase," raved the customer's head of IT infrastructure. "We were also able to save 10 million euros in license savings for the next 3 years," he continued, "backup and restore is now easier and streamlined, and we are finally able to meet the SLA!"

## the outlook

The customer is planning to implement a Private Cloud with Aria Automation.

## further details?

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