



SAS 9.3 Migration A Project Experience



Jules van der Zalm, OCS Consulting, the Netherlands



In this presentation...

- ▶ About OCS Consulting and Astellas
- ▶ Why this migration?
- ▶ The approach
- ▶ Challenges
- ▶ Conclusion

About OCS and Astellas



- ▶ OCS Consulting
 - ▶ IT Consultancy specialised in Business Intelligence and Data Analytics
 - ▶ Providing SAS consultancy since 1998
 - ▶ Relationship with Astellas since 2006

- ▶ Astellas
 - ▶ Pharmaceutical company with offices in Japan, Europe and United States
 - ▶ 17.000 Employees worldwide
 - ▶ Approximately 250 SAS users



Why this migration?

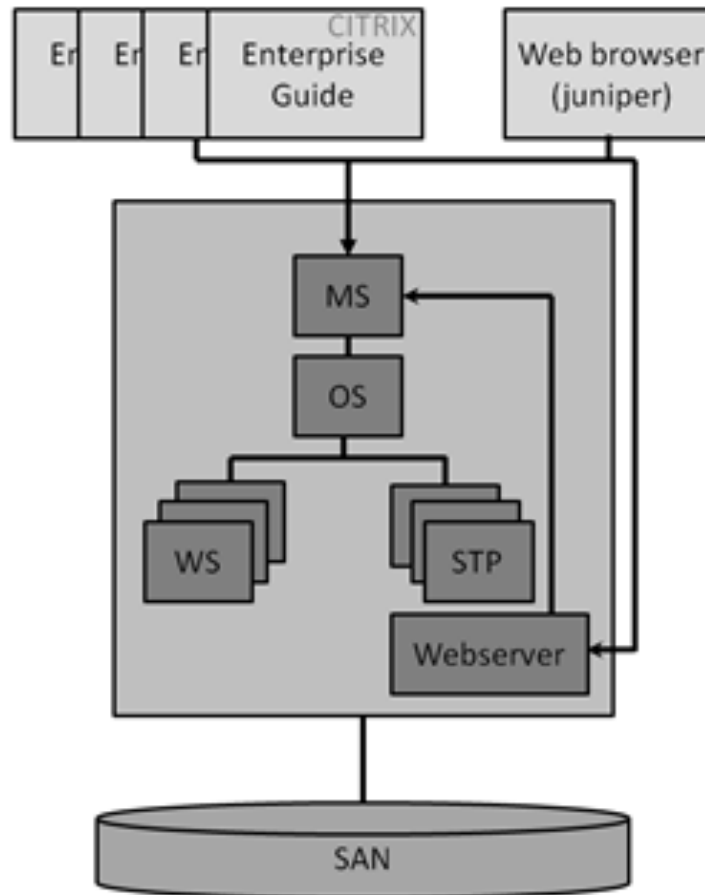
- ▶ Increase availability of the SAS environment
- ▶ Move from SAS 9.1.3 to SAS 9.3
- ▶ Custom portal environment



Approach: documenting

- ▶ Map the existing server environment
 - ▶ Production / validation / development
 - ▶ Data storage
 - ▶ Additional applications
 - ▶ Custom built web-based tools
 - ▶ Oracle, Sybase and MS SQL clients
 - ▶ Java
 - ▶ Samba
 - ▶ StatXact
 - ▶ EPSI
 - ▶ Several other system tools

Existing environment





Approach: preparation

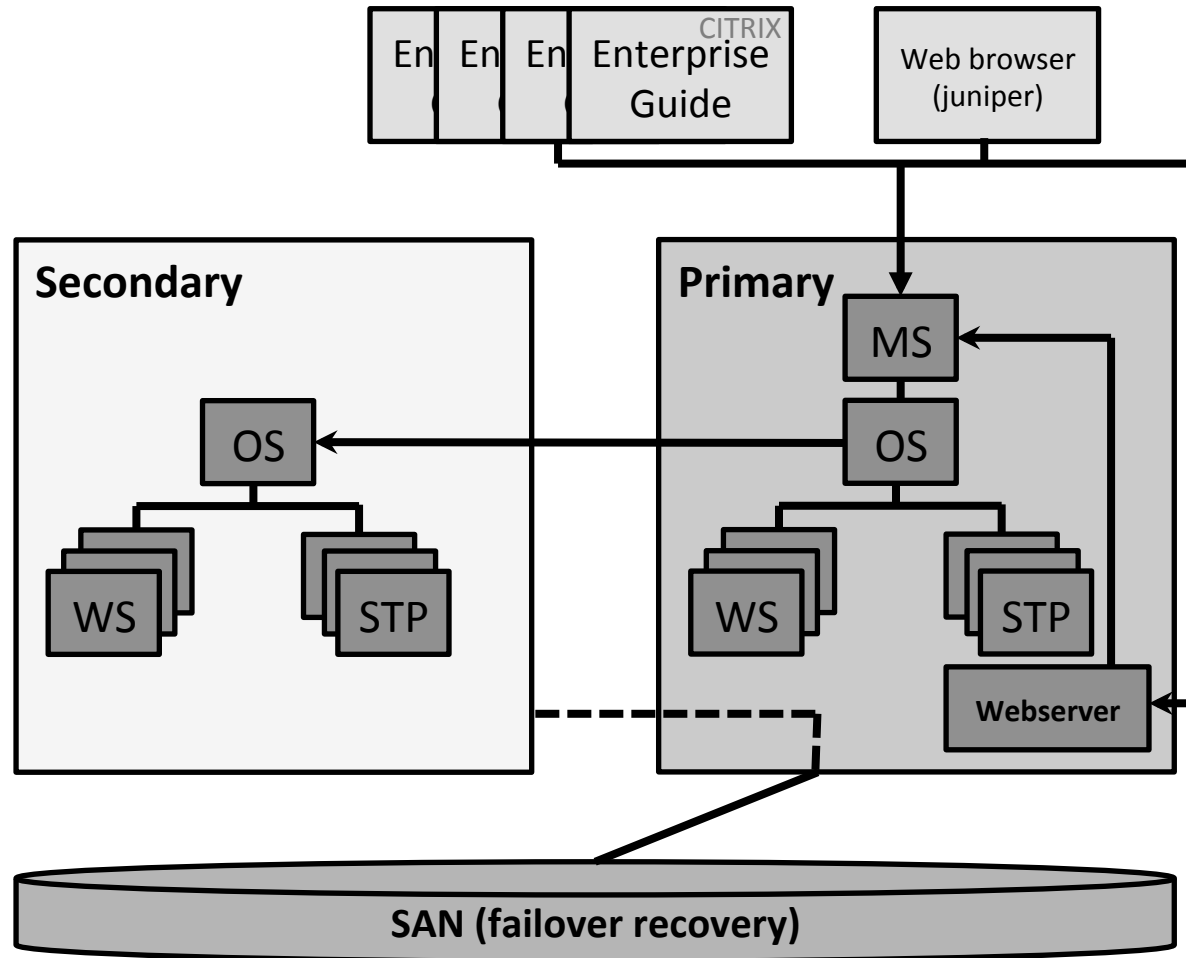
- ▶ Involved parties
 - ▶ Astellas
 - ▶ Information management
 - ▶ Technical support
 - ▶ SAS
 - ▶ OCS Consulting

- ▶ Design

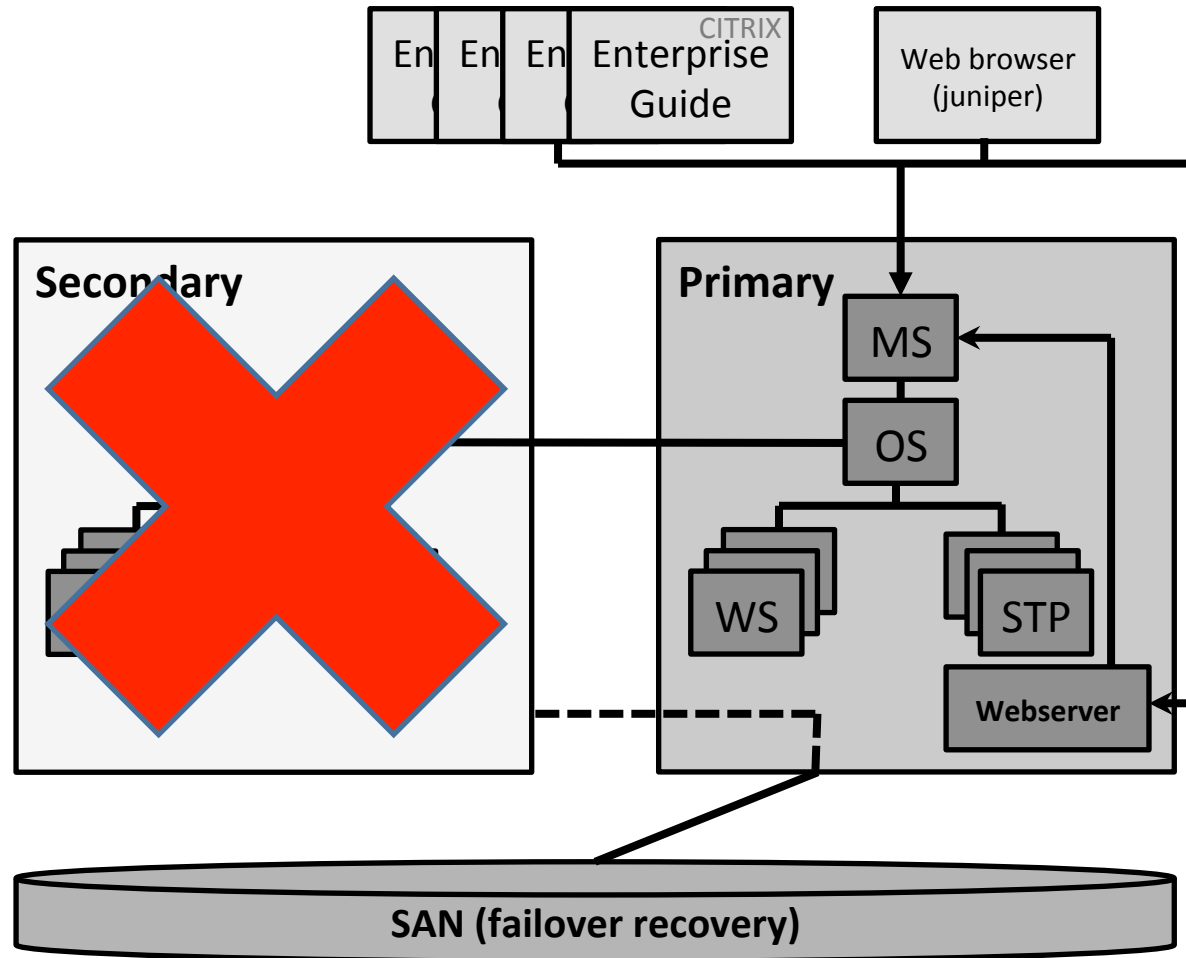
- ▶ Documentation

- ▶ Software

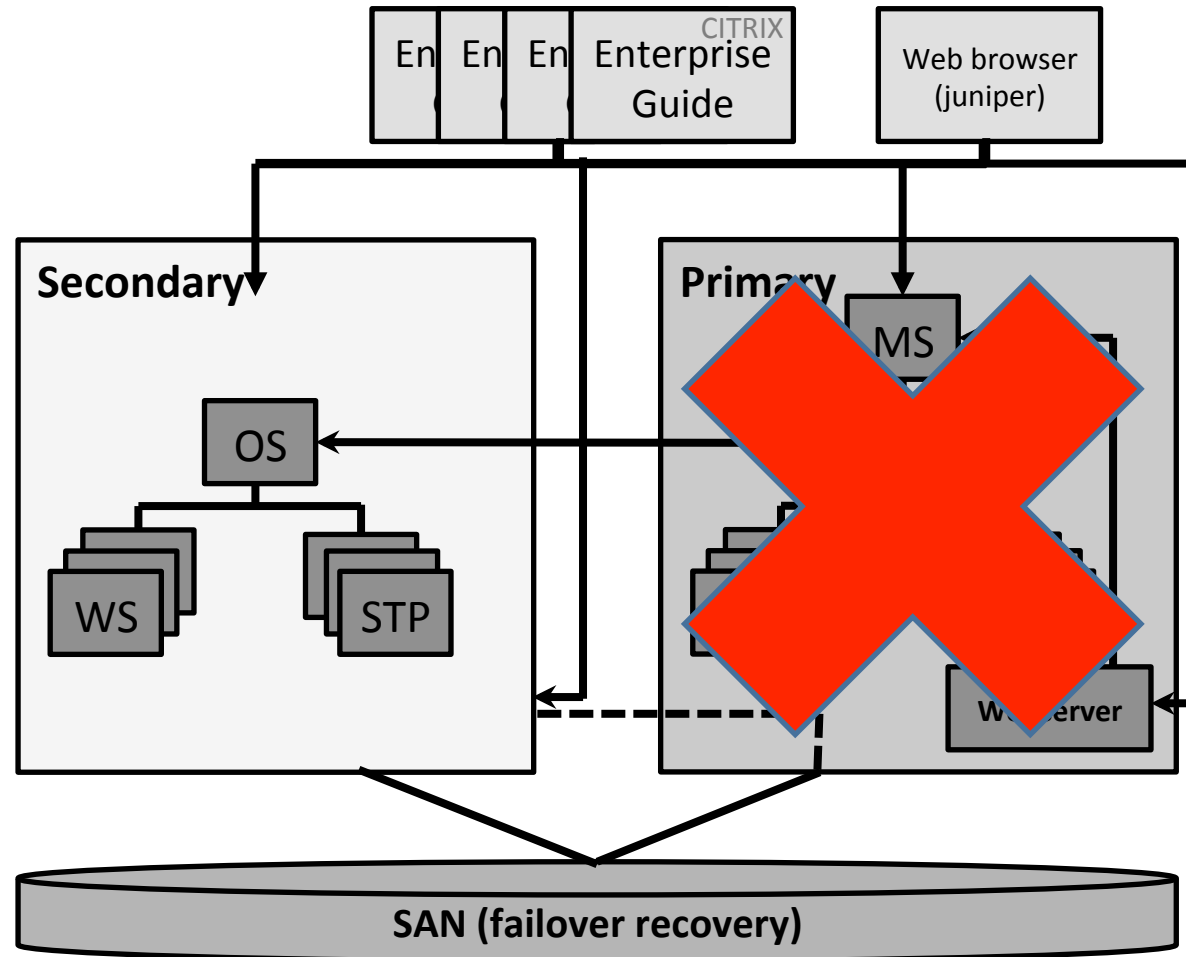
Design of new environment



Failover scenario



Failover scenario





Study conversion

- ▶ Make existing SAS programs work in SAS 9.3
- ▶ Code Conversion & Verification Protocol
- ▶ Code Conversion Test Script
- ▶ Responsibility of the study team

Challenges



- ▶ Load balancing *and* failover mechanism
- ▶ Changed design
- ▶ Shared data storage
- ▶ Different parties, different responsibilities

Conclusion



- ▶ Detailed planning is very important
- ▶ Face to face meetings are essential
- ▶ Project is still ongoing!

Questions

