

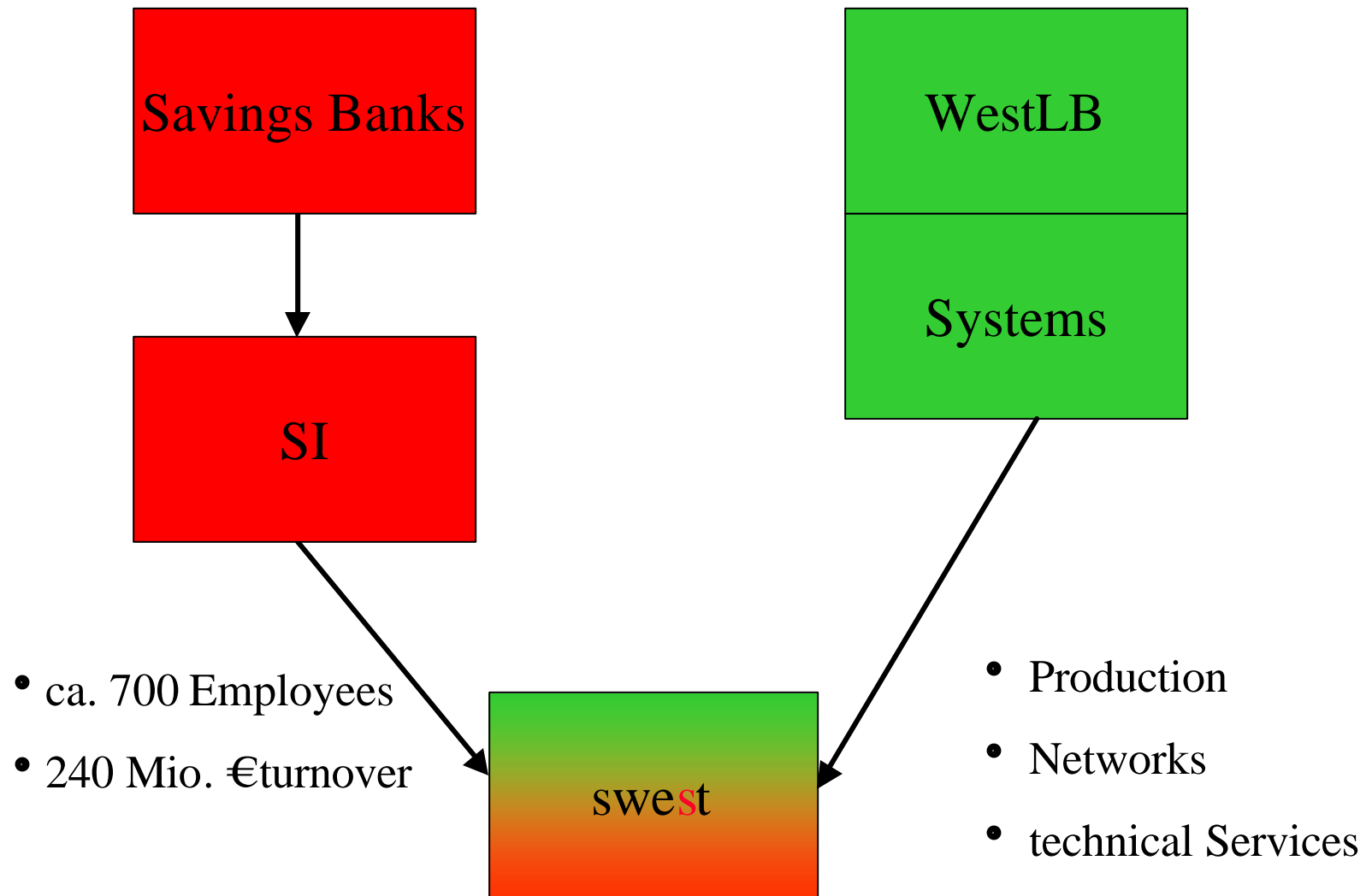


swest

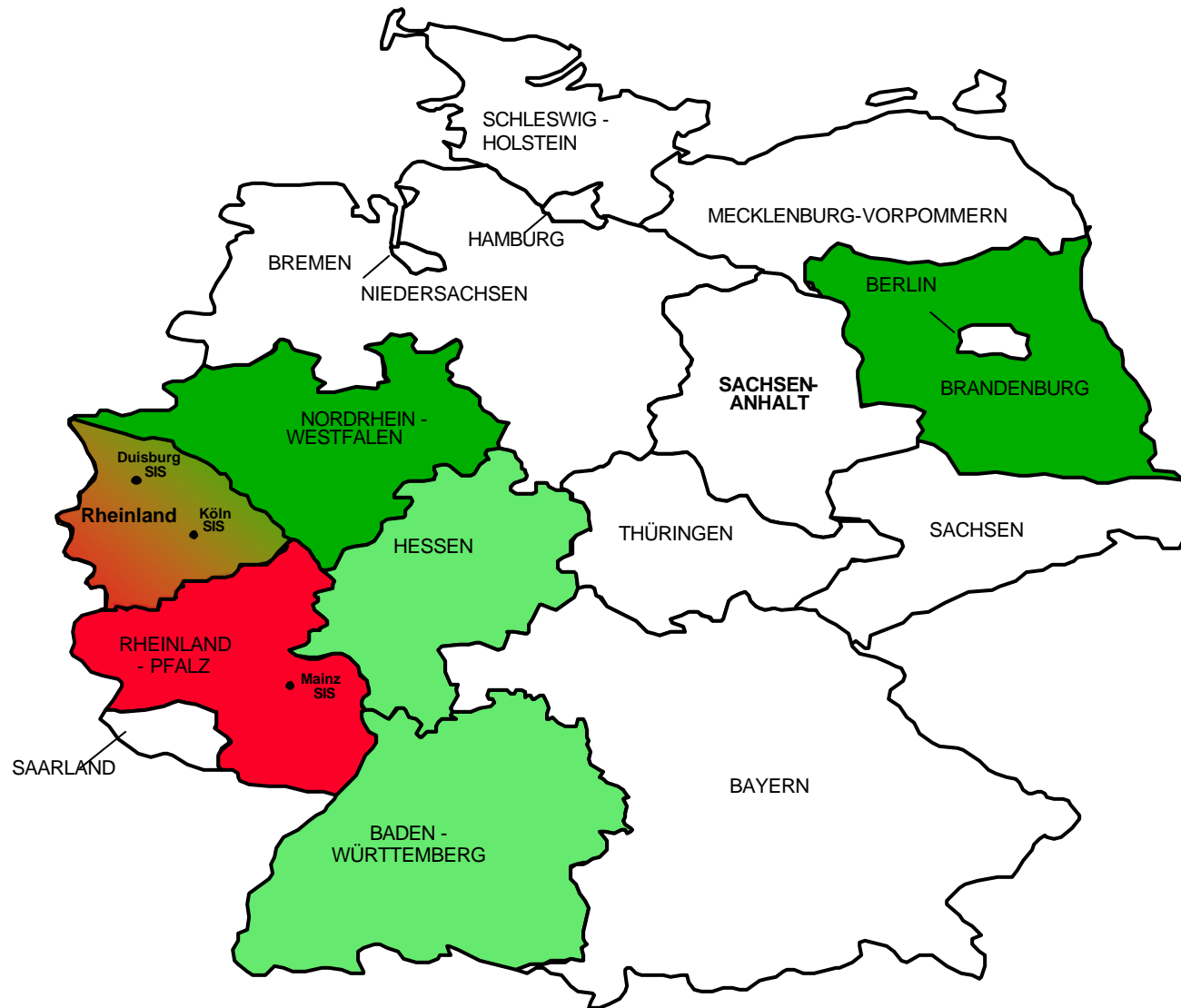
C04

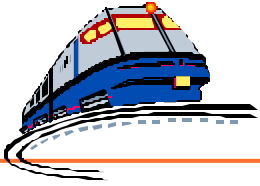
Marlies Baute

Consolidation



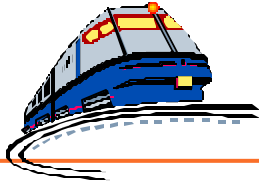
Business areas of SI and WestLB





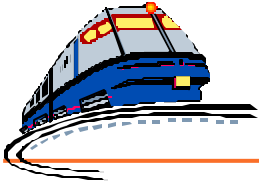
- **IMS V8**
- **FP Tools**
- **Omegamon for IMS / Plex**
- **Deltaims / Deltaplex**
- **Otto2**
- **DBICF**
- **Performance Analyzer**
- **QCF**
- **IMS Connect**
- **DPROP Capture V3.1**
- **MERVA IMS V3**

- **z/OS V1.2 / z/OS V1.4**
- **JES 2**
- **VTAM**
- **DB2 V7**
- **DB2/PM**
- **QMF**
- **CICS / ESA TS**
- **MQSeries V2.1**
- **SAFOS V2.1**
- **...**

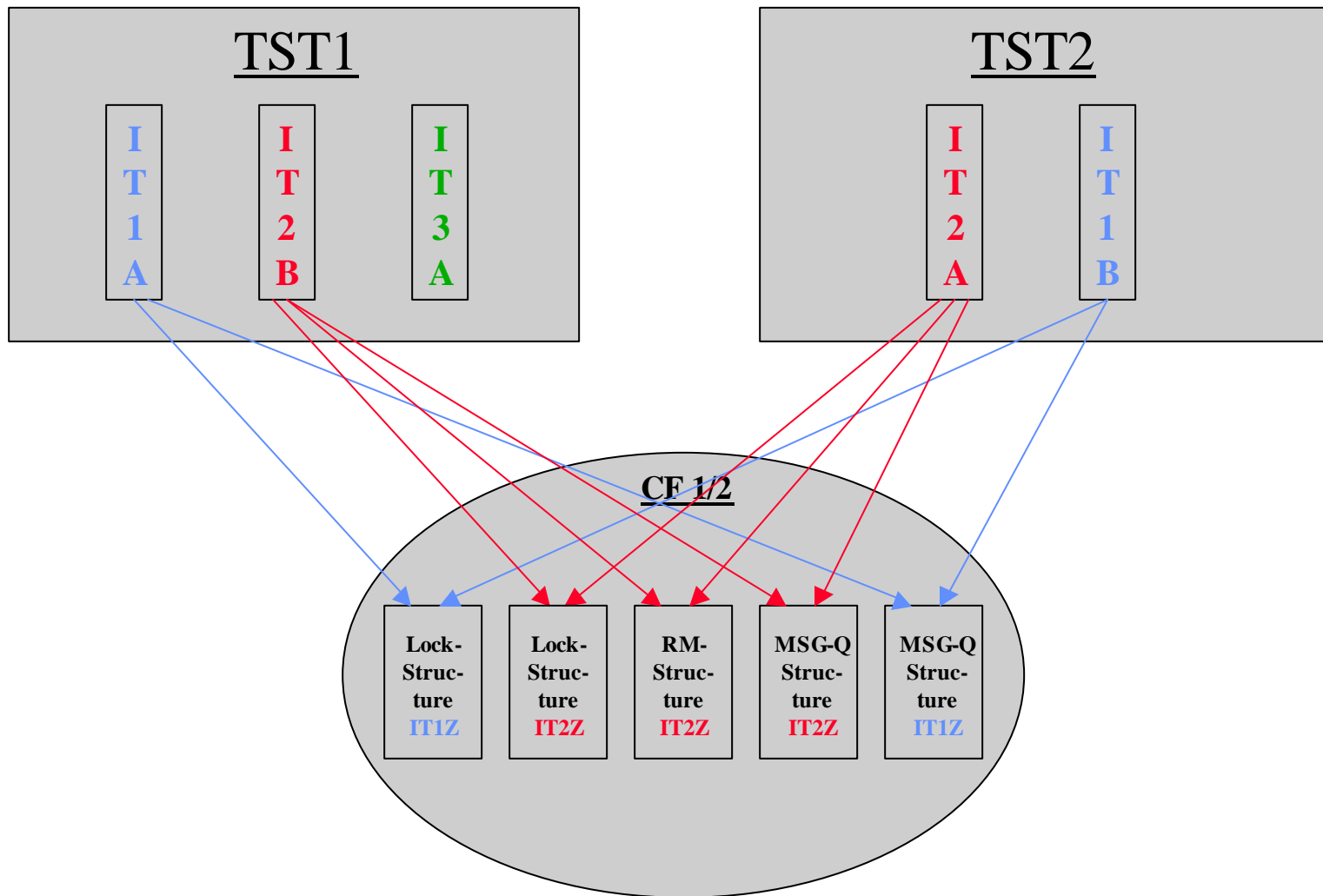


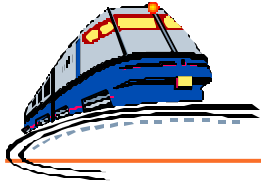
Facts 2002

- **86 savings banks, more than 2000 branch offices**
- **Total balance sum 180 billion €**
- **Balance sum of affiliated savings banks e.g.**
 - **SSK Köln 18.4 billion €**
 - **KSK Köln 12.4 billion €**
 - **SSK Düsseldorf 8.3 billion €**
- **2.5 billion booking entries per year**
- **25 mio. accounts per year**
- **110000 terminals and 33000 printers**
 - **5300 Automated Teller Machines**
 - **6200 Self Service- statement Printer**
 - **1700 Information-Terminals**

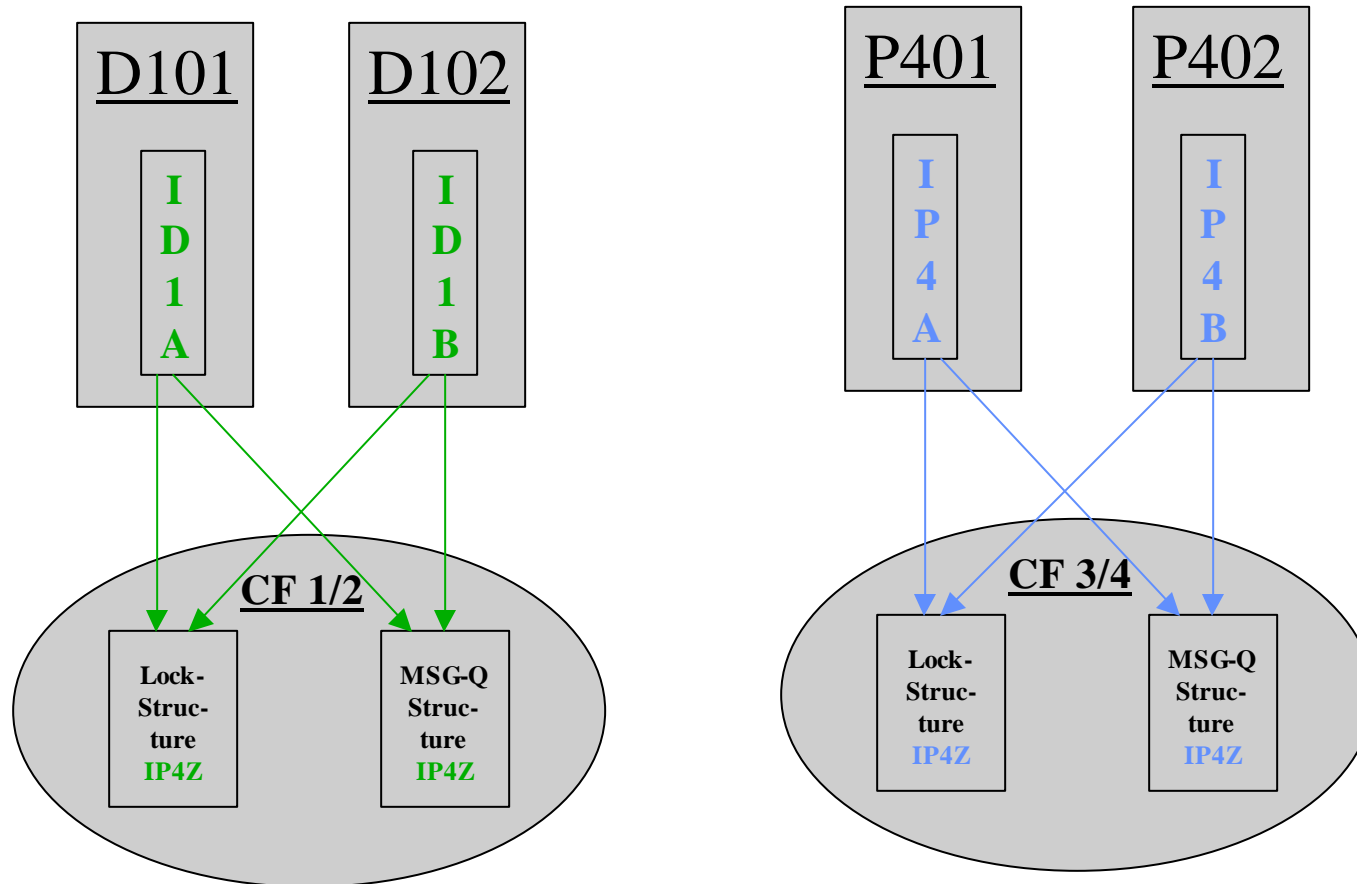


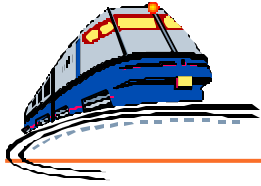
Test-Environment



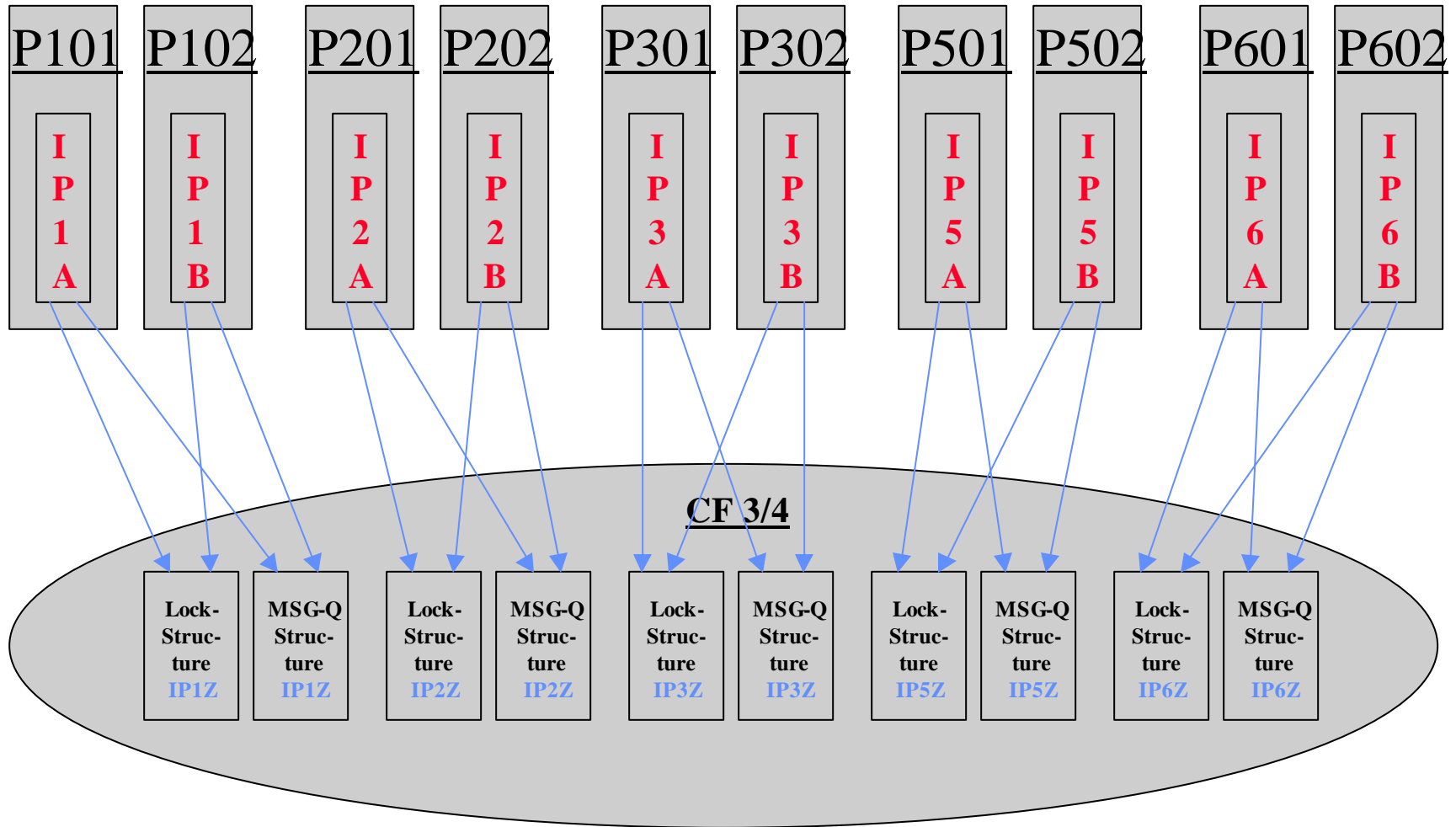


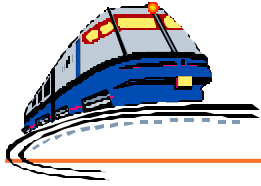
Production-Environment





Production-Environment





Production-IMS-Systems and CPU's using a total of 14000 MIPS.

Transactions:

9.4 Billion transactions per year

800 Million transactions per month

30 - 50 Million transactions per day

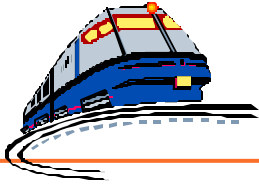
1800 transactions per second in Peak-Time

Databases:

8060 Databases with 1600 GB

Usage of DEDBs / VSO

All DEDBs with Update are using MADS



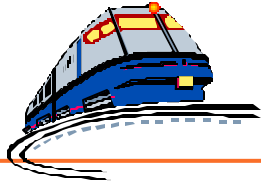
Databases:

Usage of DEDBs

- > 240 Areas
- Non recoverable DEDBs

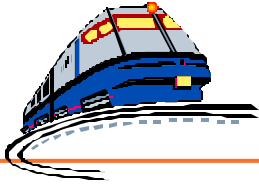
Usage of SDEPs (Sequential dependant Segments)

- As journalizing segments
- As intermediate memory for dialog functions
- As storage for the history of banking transactions

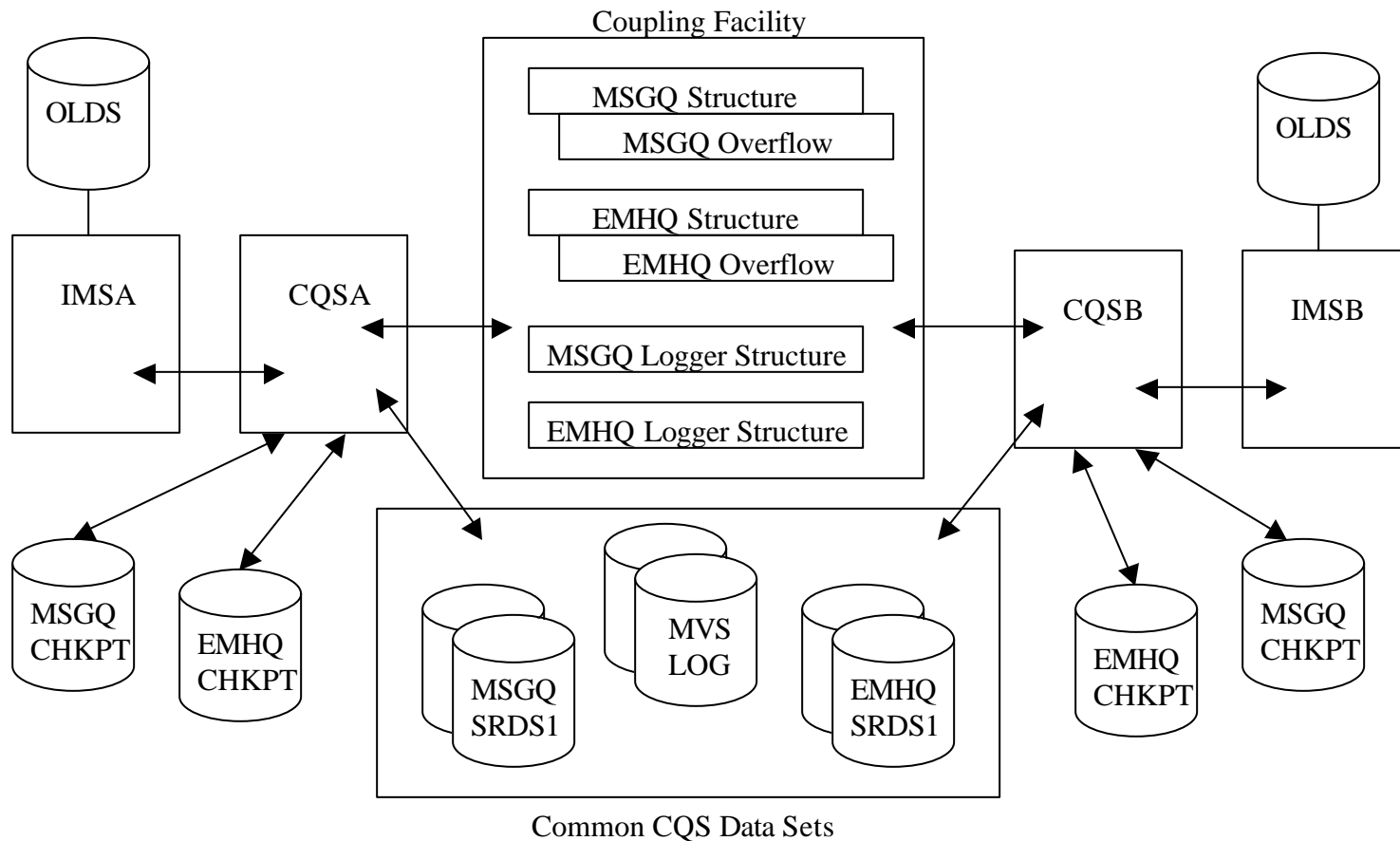


IMS V8 & Parallel Sysplex

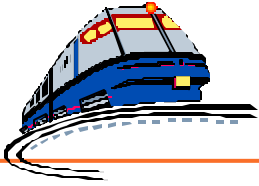
- **What were the reasons for Parallel Sysplex in our company?**
 - **High Availability**
 - **Continuous Operation**
- **Planning the IMSPLEX**
 - **Application and DataBase design**
 - **Enabling One-Way-Data-Sharing**
 - **Implementing the second member**



- **Management of the MVS-Logger**

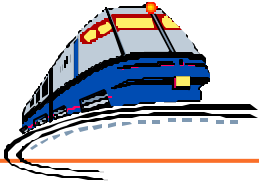


- **Structure duplexing with IMS V8**

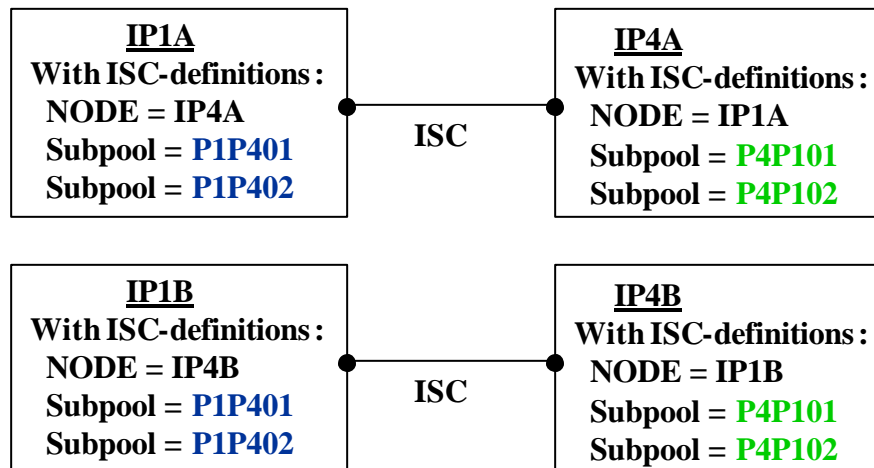


IMS V8 & Parallel Sysplex

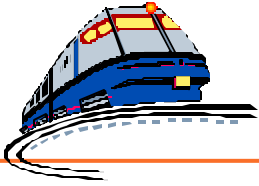
- **Command handling in an IMSPLEX environment**
 - **BMP to issue IMS commands**
 - **IMS commands with SPOC**
 - **Commands via DELTAPLEX**
 - **Online Change**



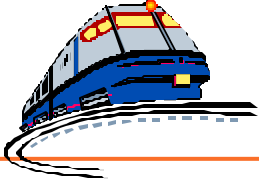
- Resource uniqueness in an IMSPLEX
 - Cloned system
 - ISC-Environment



- MSC-Environment
- Affinities



- **IC2 and IC2 enhancements**
 - **What need did we have for IC2?**
 - **Basic Implementation of IC2**
 - **Serialization when running multiple Image Copies**
 - **KSDS and IC2**
 - **IC2 enhancements with IMS V8**

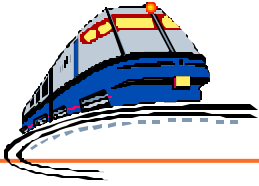


IMS V8 & Parallel Sysplex

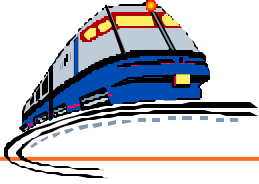
swest

Sparkassen-Informatik-Services West GmbH

- **Further IMS V8 benefits**
 - **Online RECON upgrade / Mixed Mode**
 - **Automatic Recon Loss Notification**
 - **Prilog Compression**
 - **Auto Alter**
 - **APPC / OTMA Synchronous Support**

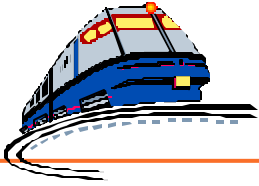


- **Tools**
 - **Sysplex Monitor**
 - **Performance Analyzer**
 - **Deltaplex**
 - **Queue Control Facility**
 - **Data Propagator**

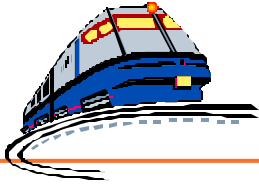


IMS V8 & Parallel Sysplex

- **Stones on our way**
 - **Performance problems with IRLM global locking**
 - **MVS Logger**
 - **IMS with Deltaims**



- **Waiting for next versions**
 - **Serial Transactions**
 - **Applications with SCHDTYP=SERIAL**
 - **SPOC with DataBase commands**
 - **Transaction classes greater than 255**



IMS V8 & Parallel Sysplex

- **Where are we ?**
- **What couldn't be achieved ?**
- **What will we do next ?**