



# HORIZONT

SmartJCL – How to replace PRO/JCL

# Preamble

This presentation gives a comprehensive overview of how SmartJCL replaced PRO/JCL

At some slides this button can be used to jump to specific slides in this presentation.

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Click on this symbol to jump to the slide General

# General

- The migration was done for a big bank running 15.000 jobs per day
- The bank used PRO/JCL before they migrated to SmartJCL
- PRO/JCL was too expensive compared to its contribution for the bank

# Initial Situation

- Most of checks are running in batch-mode
- The check-job is part of ChangeMan
- If a developer wants to transfer a batchjob to the next test-stage, the JCL is checked.
  - The first check is pure syntax check (No REXX)
  - The second check verifies the standards of the bank (Validation REXX).
    - If it ends with RC=8, the transfer is suppressed.

# Initial Situation

- The third step is to change the JCL automatically (Modification REXX)

This function is needed for the transfer of JCL from integration-test to production and from production back to test.

- After we got the REXX-Code, we changed the first REXX (Validation) from PRO/JCL's to SmartJCL syntax.
  - 120 hours
  - 6.000 lines of code
- This was the POC (Prof of Concept) that SmartJCL is able to replace PRO/JCL.
- After that we started to migrate the second REXX (Modification).
  - 200 hours
  - 7.000 lines of code.

# Result

- SmartJCL performance was as good as PRO/JCL, even if PRO/JCL runs as a started task (SmartJCL runs in batch).
- We showed the customer what we think about fast support.
  - Some special SRI-functions were implemented by our developers while our consultants were onsite. (SRI = SmartJCL REXX Interface)

# Result

- The time to implement SmartJCL and the REXX code was extremely short (3-4 weeks)
- With SmartJCL's REXX-Interface we have now all functions to check and to change JCL in various ways
- The migration was a great experience for HORIZONT and an extremely useful stress test for the brand new interface.

# Some Facts

- Less coding (Up to 90%) !
- Less errors
- Well structured
- Automatic JCL formatting to meet company standards.

Thanks for your attention! Do you have any questions?

The logo for 'HORIZONT' features the word in a bold, sans-serif font. The letter 'O' is highlighted in red, while the other letters are in dark grey. The background is light grey with a red curved shape on the left and several faint geometric shapes (squares and a triangle) scattered around the text.

**H**O R I Z O N T

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