Migrating a SAS Programming Environment to a Virtual Linux Server

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Migration to Linux

✅ IT Infrastructure
✅ Decision Process
✅ Migration Process

Consider Linux
IT Infrastructure (old)

HP-UX
SAS 9.1.3

Virtual DataCenter
Citrix Farm
SAS 9.1.3 (Windows)

Citrix Secure Gateway

Internet

Remote
Submit

X-Windows

Citrix Client

Remote
Submit
IT Infrastructure (Windows)

Virtual DataCenter

Citrix Farm
SAS 9.2
(Windows)

Citrix Secure Gateway

Citrix Client

Internet
IT Infrastructure (upgrade HP-UX)

- HP-UX (upgrade) SAS 9.2
- Virtual DataCenter
  - Citrix Farm SAS 9.1.3 (Windows)
- X-Windows
- Citrix Client
- Internet

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IT Infrastructure (migrate to Linux)

- Linux SAS 9.2
- Remote Submit
- Virtual DataCenter
- Citrix Farm SAS 9.1.3 (Windows)
- Citrix Secure Gateway
- X-Windows
- Citrix Client
- Internet

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Platform ???

✓ Operating System
- Migrate to Windows?
- Update HP-UX?
- Migrate to Linux?

✓ Financial Aspects

✓ Customer Compatibility

✓ Technical Aspects

✓ Test Installation

✓ Risk Assessment
Decision

✓ Technology
✓ Scalability, Reliability
✓ Costs
✓ Open-Source
✓ Risk
Migration Plan

✓ Inventory
  • Archiving Old Projects
  • >50 Active Projects
  • >200 Studies

✓ Migration Plan
  • Contact Person
  • Status
  • Migration Date

✓ Minimize Interruptions

✓ Time-Critical Projects
Platform Migration

✓ Install Linux Programming Environment
  • SAS Version 9.2
  • Macro Library
  • UNIX Scripts...

✓ Follow Change Management/Software Development Lifecycle

✓ Test and Document

✓ Copy Access Rights and User Groups
Project Migration

- Inform Users
- Copy Projects to Linux (IT)
- Remove Access on HP-UX (IT)
- Change Settings
- Modify Programs
- (Re-) Validate Output
- Release Projects/Studies
Training and Material

✓ Briefing Events
✓ Formal Trainings
✓ User Manuals
✓ Cheat Sheet
✓ Individual Support
Conclusion

✓ Thorough Planning
✓ Flexibility
✓ Timely Communication
✓ Long Term Benefit
✓ Reliable System
✓ Problem: 9.1.3 -> 9.2
Questions?

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