

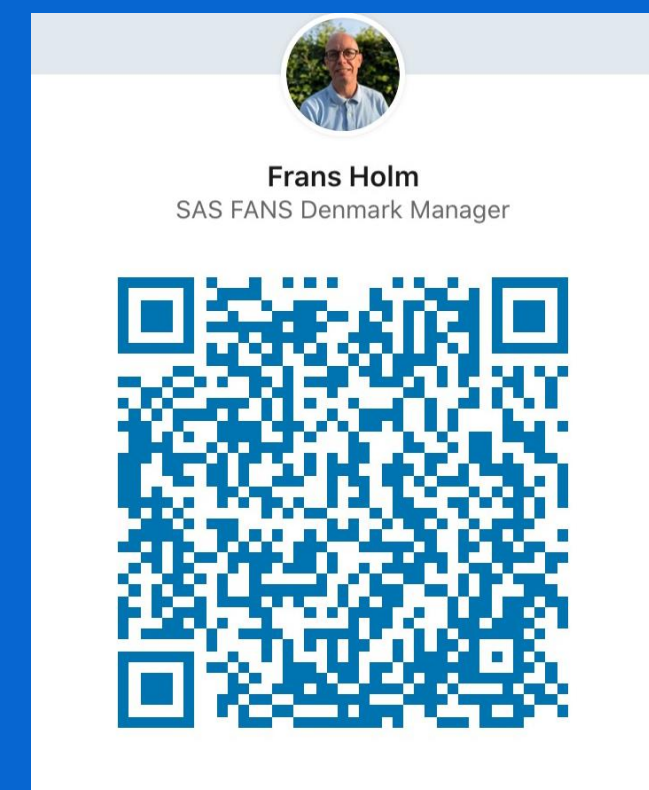
FANS

Platform Netværksmøde

28/2-2024

Kl. 10.00 – 16.00

Frans.Holm@sas.com



Planlægningsgruppen

Platform netværket

- Christian Handberg (DLR Kredit)
- Lars Hult (DLR Kredit)
- Jesper Ågård Larsen (BEC)
- Claus Hansen (BEC)
- Christian Christensen (SAS)
- Thomas Jacobsen (SAS)
- Frans Holm (SAS)

Dagsorden

- **Velkomst**
 - v. Frans Holm, SAS
- **Nyheder fra Technology**
 - v. Thomas Jacobsen & Jan Milter Ehlers, SAS
- **Forskellige migreringsstrategier**
 - v. Jan Milter Ehlers, SAS
- **Pause (til ca. 11.30)**
- **Status på Viya4 migrering – BEC**
 - v. Jesper Aagaard Larsen & Claus Hansen, BEC
- **Status på Viya4 migrering – Jyske Bank**
 - v. Bo Poulsen, Jyske Bank
- **Status på Viya4 migrering – Norwegian Seafood Council**
 - v. Cecily Hoffritz & Trond Holmen, SAS
- **Frokost (til ca. 13.30)**

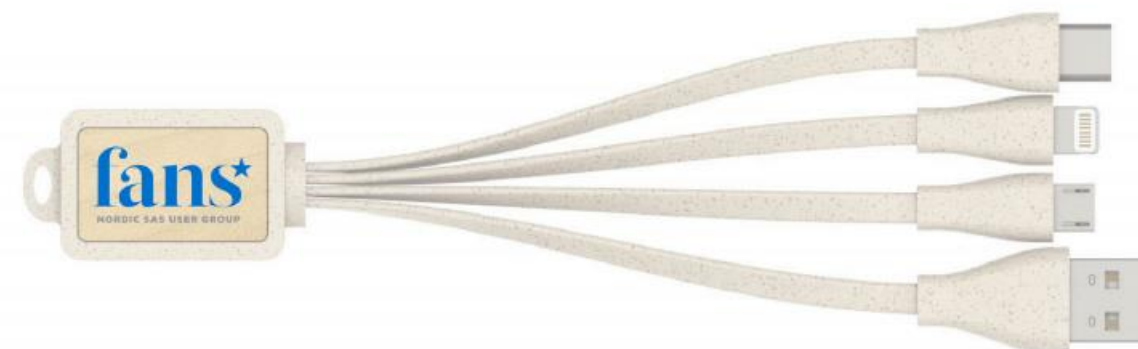
Dagsorden

Programmering Netværksmøde

- **Libnames til Windows Share**
 - v. Thomas Jacobsen, SAS
- **Analytics Pro i Cloud/Azure**
 - v. Christian Christensen, Siro Bettio & Paul Gittins, SAS
- **Pause (til ca. 14.50)**
- **Migrering af VA rapporter fra Viya3.5 til Viya4**
 - v. Torben Skov, SAS
- **Nyheder i Content Assessment toolet**
 - v. Cecily Hoffriz, SAS
- **Afslutning**
 - v. Frans Holm, SAS
- **Tapas & Netværk**

Tak fordi du er taler - Vælg 2 ting!!

- Vis det du arbejder med
= mindre forberedelse
- *Jeg vil gerne hjælpe med
præsentationen!*



Diverse Nyheder

Diverse Nyheder

<https://blogs.sas.com/content/sgf/2024/01/30/9-for-sas9-top-tips-for-sas-9-programmers-moving-to-sas-viya/>

9 for SAS9 – Top Tips for SAS 9 Programmers Moving to SAS Viya

91

By [Peter Styliadis](#) on [SAS Users](#) | January 30, 2024

Topics | [Programming Tips](#)

Transitioning from SAS9 to SAS Viya can be uncertain for SAS programmers. Whether your organization is making the move and you're curious about your current SAS analytical workflows, or you're contemplating moving to SAS Viya and concerned about its impact on your SAS expertise and programs. The hesitation is understandable. As a fellow programmer, I recognize these concerns. However, there's reason to be excited! Viya offers traditional SAS code, enhanced capabilities, massively parallel processing, cloud-native, open source integration, and a variety of applications to add to your analytics processes.

Let's address those concerns, get excited, and delve into **9 essential insights for SAS 9 programmers** making the transition to SAS Viya. All the programs are available in my [GitHub repository](#).

Diverse Nyheder

<https://github.com/stfoer/sas-studio-git-integration/tree/main>

sas-studio-git-integration

With Git becoming the industry standard for source-code management, integrating Git into SAS Studio can streamline your software projects like never before. Join us for a hands-on workshop in which you learn how to effectively use Git with SAS Studio on the SAS Viya platform. In this workshop, you learn how to create Git profiles, clone repositories in SAS Studio, and push changes remotely. You learn how to seamlessly create or modify SAS and Python programs, SAS Studio flows, or custom steps and push the changes to your Git repository. With step-by-step guidance, you'll master key Git operations such as clone, pull, branch, stage, commit, merge, and push.

Diverse Nyheder

https://www.sas.com/en_us/webinars/integrate-sas-microsoft-products.html

Ask the Expert Webinar Series

How Does SAS® Viya® Integrate With My Favorite Microsoft Products?

On-Demand • Cost: Complimentary

About the webinar

Seamless integration between SAS for Microsoft 365 and SAS Viya enables you to embed powerful analytic insights from SAS within your Microsoft 365 applications, sparking collaboration and driving better-informed decisions.

This webinar will show you how you can easily access your SAS Viya environment from your favorite Microsoft products like Excel, Outlook and PowerPoint using SAS for Microsoft 365.

You will learn new ways to work with your data, including working with SAS programs and SAS jobs, as well as uploading your own Excel data to SAS Viya.

Diverse Nyheder

https://www.sas.com/en_us/webinars/join-sas-tables-part2.html

Ask the Expert Webinar Series

Diving Deeper: How Many Ways Can You Join SAS® Tables?

Feb. 22 • 11 a.m. ET • Cost: Complimentary

You will learn about:

- ✓ SQL implicit join.
- ✓ SQL explicit join.
- ✓ FEDSQL join in SAS® Viya®.

Diverse Nyheder

https://www.sas.com/en_us/webinars/sas-visual-studio-code-extension.html

Ask the Expert Webinar Series

Discover the Possibilities: SAS® Visual Studio Code Extension

Feb. 8 • 11 a.m. ET • Cost: Complimentary

You will learn:

- ✔ How to use the SAS Visual Studio code extension.
- ✔ About SAS notebooks.
- ✔ How the integration can help in your everyday work.

Diverse Nyheder

https://www.sas.com/en_us/webinars/sas-viya-workbench.html



Ask the Expert Webinar Series

Coming Soon: SAS® Viya® Workbench!

March 5 • 11 a.m. ET • Cost: Complimentary

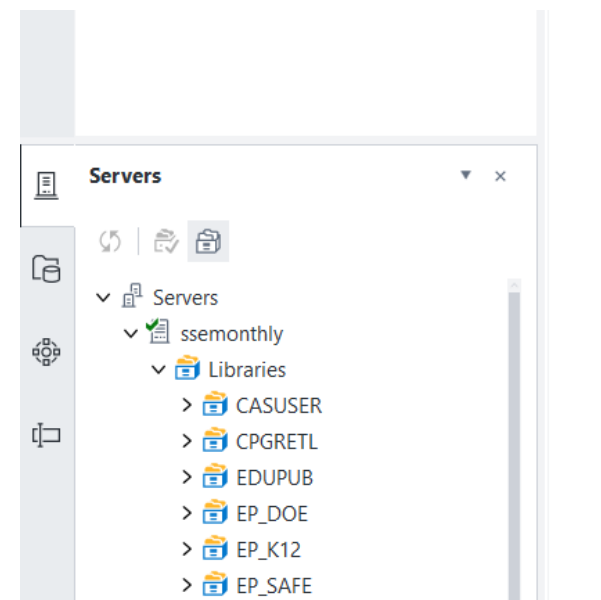
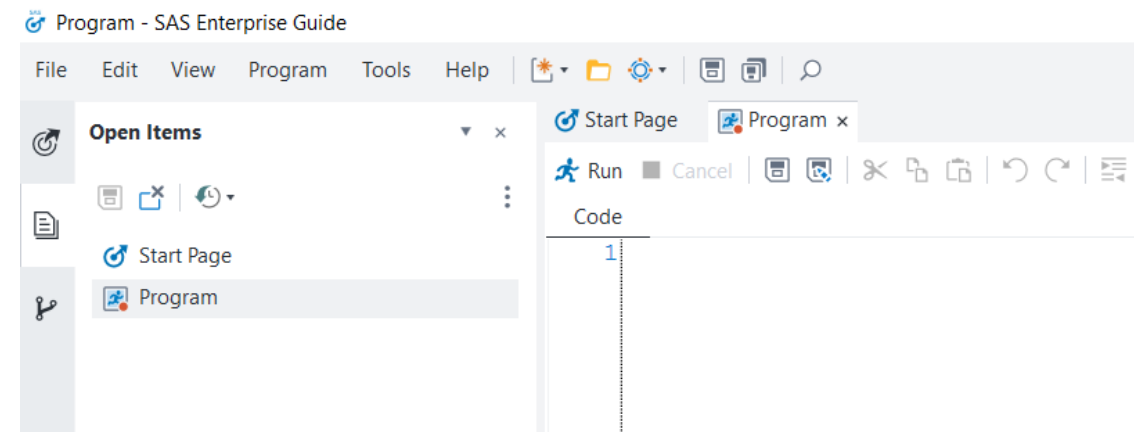
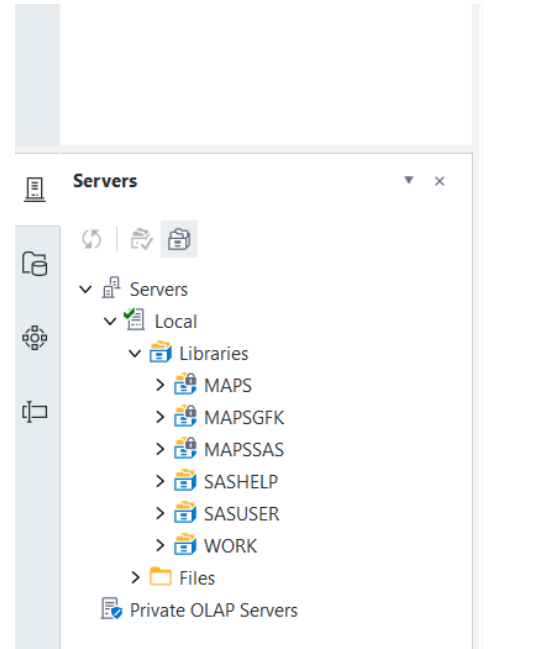
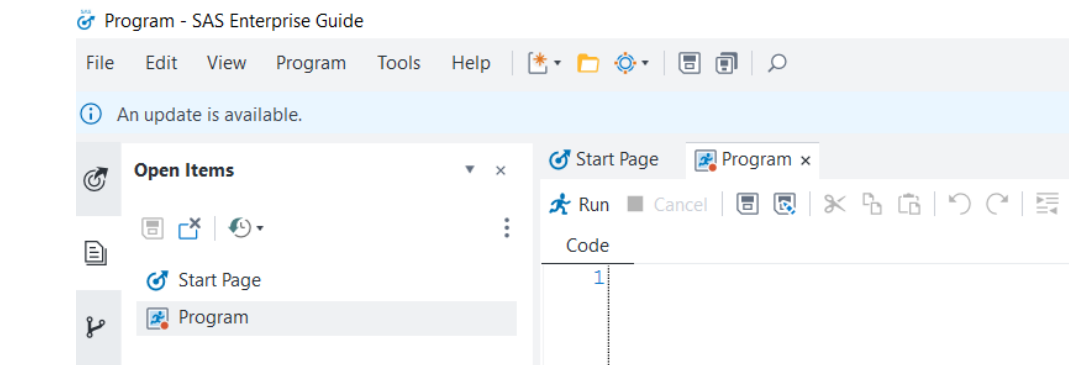


In this webinar, you will:

- ✔ Learn about the on-demand computing flexibility.
- ✔ Watch SAS Viya analytics run in harmony with SAS®9 procedures.
- ✔ See the newest Python API for SAS analytics inspired by scikit-learn.
- ✔ Get a preview of the product roadmap.

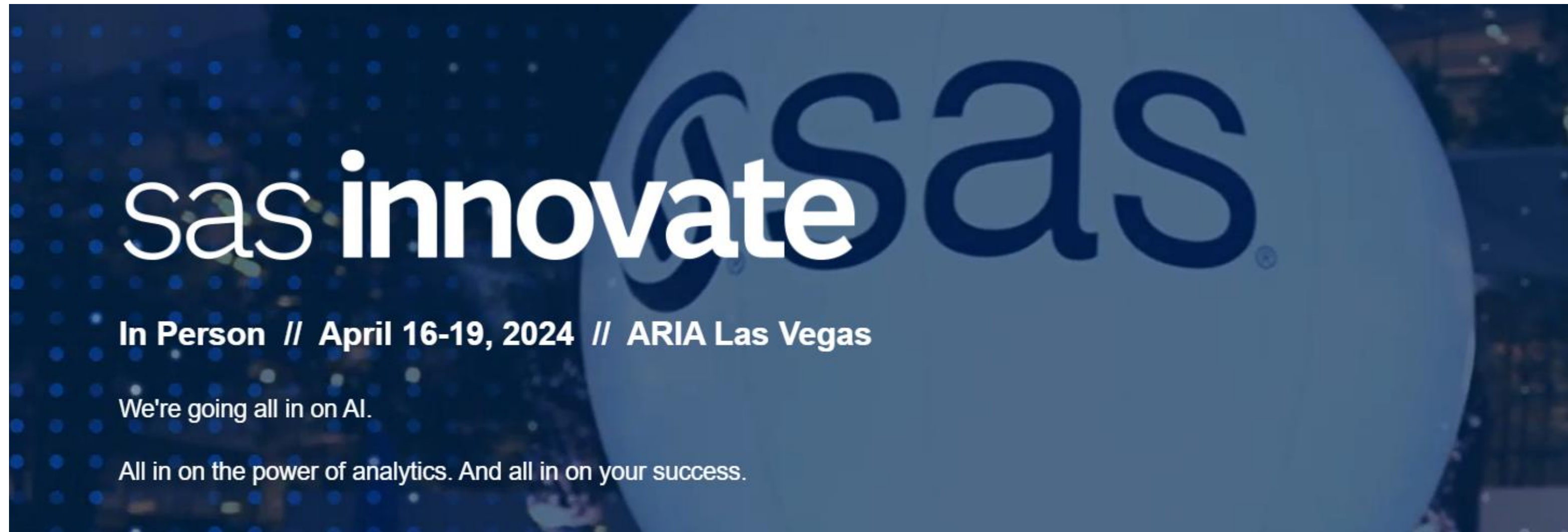
Diverse Nyheder

Enterprise Guide...



Diverse Nyheder

[Innovate.sas.com](https://innovate.sas.com)

A promotional banner for the SAS Innovate event. The background is dark blue with a pattern of small, glowing blue dots. A large, semi-transparent 'sas' logo is visible in the background. The text 'sas innovate' is prominently displayed in white, with 'sas' in a smaller font and 'innovate' in a larger, bold font. Below this, the event details 'In Person // April 16-19, 2024 // ARIA Las Vegas' are listed. Two lines of text follow: 'We're going all in on AI.' and 'All in on the power of analytics. And all in on your success.'

Diverse Nyheder

Innovate on Tour



London

Business: Onsdag d. 12 juni 2024

Users: Torsdag d. 13 juni 2024

FANS dag 12. juni??

FANS 2024

Medlemspakker

Mini FANS Forum

PACKAGE	FANS Virtual Network Meetings	FANS In-Person Network Meetings	FANS Networking /Social Events (Tickets)	SAS Innovate Event, US (Tickets) *	SAS Days (Days)	SAS Live Web Courses -50% discount ***	E-learning Subscription Package ****	Knowledge Sharing page in the Education Portal	Fee per year DKK
FANS Premium Company	Yes	Yes	Yes (10)	Yes (5) **	Yes (2)	Yes (3)	Yes (1)	Yes (1)	19.500
FANS Premium Personal	Yes	Yes	Yes (2)	Yes (1) **	No	Yes (1)	No	No	3.500
FANS Free Personal	Yes	Yes	No	No	No	No	No	No	0

FANS Lodtrækning

FANS Lodtrækning

Dagens gave!



Et forsøg!!

- Vi vil gerne understøtte netværksdelen ved FANS
- Man får mest ud af fysisk fremmøde
- Nudging....

FANS lodtrækning

Kom et lod i bowlen...



Nyheder fra Technology

v. Thomas Jacobsen & Jan Milter Ehlers, SAS

Forskellige migreringsstrategier

v. Jan Milter Ehlers, SAS

Pause

(indtil kl. 11.35)

Dagsorden

- Status på Viya4 migrering – BEC
 - v. Jesper Aagaard Larsen & Claus Hansen, BEC
- Status på Viya4 migrering – Jyske Bank
 - v. Bo Poulsen, Jyske Bank
- Status på Viya4 migrering – Norwegian Seafood Council
 - v. Cecily Hoffritz & Trond Holmen, SAS

- Frokost

Status på Viya4 migrering – BEC

v. Jesper Aagaard Larsen & Claus Hansen, BEC

Status på Viya4 migrering – Jyske Bank

v. Bo Poulsen, Jyske Bank



SAS Viya migrering status

**FEB. 2024 – SAS PLATFORM NETVÆRK
BIRGER LARSEN + BO POULSEN
INTELLIGENCE PLATFORM - JYSKE BANK**

Baggrund

- Supporten på Linux Operativsystem på alle SAS platforme udløber d. 30.06.2024
- Supporten på SAS 9.4M7 udløber d. 01.01.2025 (Support er differentieret frem til 01.08.2025!)
- Supporten på SAS Viya 3.5 udløber d. 01.01.2025 (Support er differentieret frem til 01.06.2026!)
- Fokus fra SAS ligger på Viya 4 platformen fremadrettet

SAS-BI

(Business Intelligence)
v9.4M7

Out Of Support (01.01.2025)

SAS-MA

(Marketing Automation)
v9.4M7

Out Of Support (01.01.2025)

SAS-VA

(Visual Analytics)
Viya 3.5

Out Of Support (01.01.2025)

SAS-ID

(Intelligent Decisioning)
Viya 3.5

Out Of Support (01.01.2025)

Linux Operativ System

Out Of Support (30.06.2024), kan fortsætte på Extended Support.

JN Data VM Ware (Virtuel Machine)

CTA projekt

- SAS-VA,ID på Viya 3.5 er beskrevet og gennemgået vedr. migr.strategi
- SAS-BI er på vej / i gang
- SAS-MA udestår
- D30 er stort set klar (arkitektur beskrivelser Viya i OpenShift)
- Har deltaget i Viya 4 adm. kursus
- Har fået Viya 4 trial adgang

Final presentation ultimo marts 2024

Udfordringer!

- Indsamling af SAS kode der ligger udenfor vores SAS servere
- Scanningsværktøj meget fejlbehæftet
 - Mange fejlrettelser og mange omkørsler
- Tagging af resultater så man kan se impact i afdelinger
 - Potentiel showstopper, hvis for stor impact!
- Fortsætter med mix af UTF-8 og Latin encoding
 - Lavere user impact (+)
 - Lettere migrering (+)
 - Lidt mere kompleks platform (-)
 - Ikke alle databaser har data i UTF-8 format (-)
- OpenShift mount til NAS honorerer ikke brugers AD rettigheder
 - User impact, security risk
 - Potentiel showstopper!
- Forstå logging i Viya, anderledes på OpenShift!

Fremtiden?

- Ledelsen har svært ved at forstå kompleksiteten i en SAS platform
- Hvorfor er det så dyrt i licens?
- Hvorfor er det så dyrt at drive?
- Hvorfor er det så dyrt at opgradere?
- Hvorfor kan man ikke bare lave en in-place opgradering?

- Der er ikke truffet endelig afgørelse om næste skridt (migreringsprojekt)
- 4 platforme, stor investering
- Måske sprede over et par år?

- Vi afventer next step fra ledelsen!

Gæt på next step

- Vi får et GO til delvis migrering, fx SAS-VA og ID
 - Kører begge Viya 3.5
 - Kendt / "let" opgave
- SAS-BI og MA fortsætter på 9.4
 - Måske et år eller to...
 - Derefter migrering til Viya
 - Mere tid til at undersøge teknik
 - Mere tid til at forberede forretningen (lower user impact)
- **Men det er gætværk!**

Learnings

- Hvis man har et stort SAS setup
 - Mange forskellige platforme (vi har 4 + PC klienter, 39 servere, 400 PCer)
 - Flere miljøer på hver platform (Tek, Dev, Prod)
 - Stort projekt!
 - Stor omkostning!
- Begynd at snakke med ledelsen tidligt!
 - Vi har brugt et år på at snakke muligheder
 - Find sponsor tidligt i forløbet, og involver!
 - Så stor investering afføder snakke om alternativer – det tager tid!
- Involver OpenShift folk tidligt!
 - Har virkelig givet gode resultater, meget forstående og imødekommende
 - Men problem med mounts, SSSD og AD :-/
- Sparring med andre i samme situation!
- Svært at "presse SAS ned i en container!"
 - SAS er traditionelt et ad-hoc værktøj med mange integrationspunkter
 - OpenShift er som udgangspunkt "lukket" – passer bedre til Java, .NET mm...
 - Paradoks, hvorfor vil vi det, og hvor godt passer SAS lige ind i den teknologi man har valgt at basere sig på fremadrettet (cloud/container)?
 - Ekstra abstraktionslag, hvem står for hvad, kompleks drift, længere reaktionstider?

Status på Viya4 migrering – Norwegian Seafood Council

v. Cecily Hoffritz & Trond Holmen, SAS

Frokost

(indtil kl. 13.30)

Libnames til Windows Share

v. Thomas Jacobsen, SAS

Analytics Pro i Cloud/Azure

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Pause

(indtil kl. 14.50)

Nyheder i Content Assessment tool

v. Cecily Hoffriz, SAS

Migrering af VA rapporter fra Viya3.5 til Viya4

v. Torben Skov, SAS

Afslutning

v. Frans Holm, SAS

Diverse Nyheder

Oplæg

- Hvad kan SAS Viya?
 - 1 time til 2½ time

Interesseret – kontakt: Frans.Holm@sas.com

FANS Netværks møder

Danmark

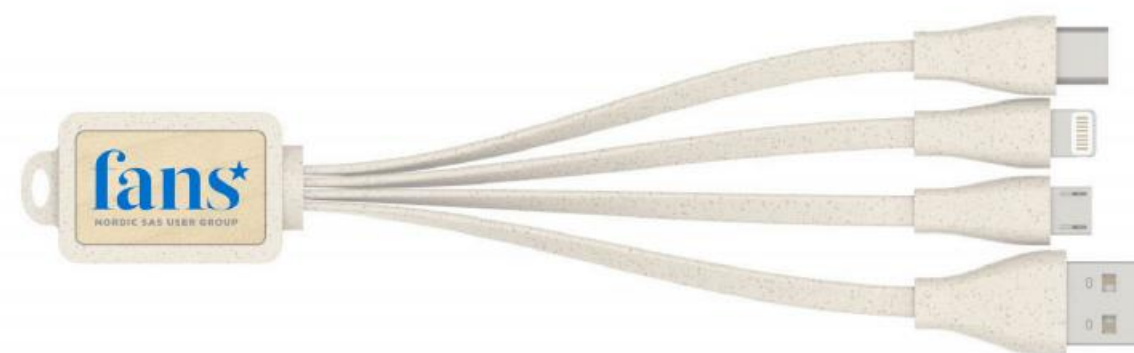
- 27/2 Visual Analytics (Aarhus) 13.00-16.00
- 28/2 Platform (Aarhus) 10.00-16.00
- 5/3 Programmering (Aarhus) 9.30-12.30
- 5/3 Data Science/Analytics (Aarhus) 13.30-15.00

- 16/4-19/4 SAS Innovate (Las Vegas)

- 29/5 Data Science/Analytics (København) 10.00-12.30
- 30/5 Platform (København) 10.00-16.00
- 6/6 Programmering (København) 13.00-16.00
- 6/6 Sommerafslutning – Skuespilshuset (København) 16.00-22.00
- 7/6 Visual Analytics (København) 9.30-12.30
- 12/6 SAS Innovate on Tour (London)
- 13/6 SAS Innovate on Tour (London)

FANS Lodtrækning

Dagens gave!



Tak for i dag

Tapas & Netværk

Vi ses FANS!

Frans.Holm@sas.com

