

Agenda



- 15:00 Velkommen v/ Henrik Behrndt, Novo Nordisk A/S
- 15:05 Big Data v/ Affecto
- 15:40 BusinessObjects version 4 v/ Affecto
- 16:15 Pause
- **16:45 Version 4.0 erfaringer v/ Henrik Behrndt**
- 16:55 SAP Dashboard strategi og roadmap v/ SAP
- 17:30 Indtryk fra ASUG i september
- 17:40 Networking
- 18:00 Tak for denne gang.

BusinessObjects 4.0

Foreløbige erfaringer hos Novo Nordisk A/S

Oversigt

- Hvor bruges BusinessObjects i Novo?
- Status på 4.0
- Udfordringer
- Fremtidsplaner

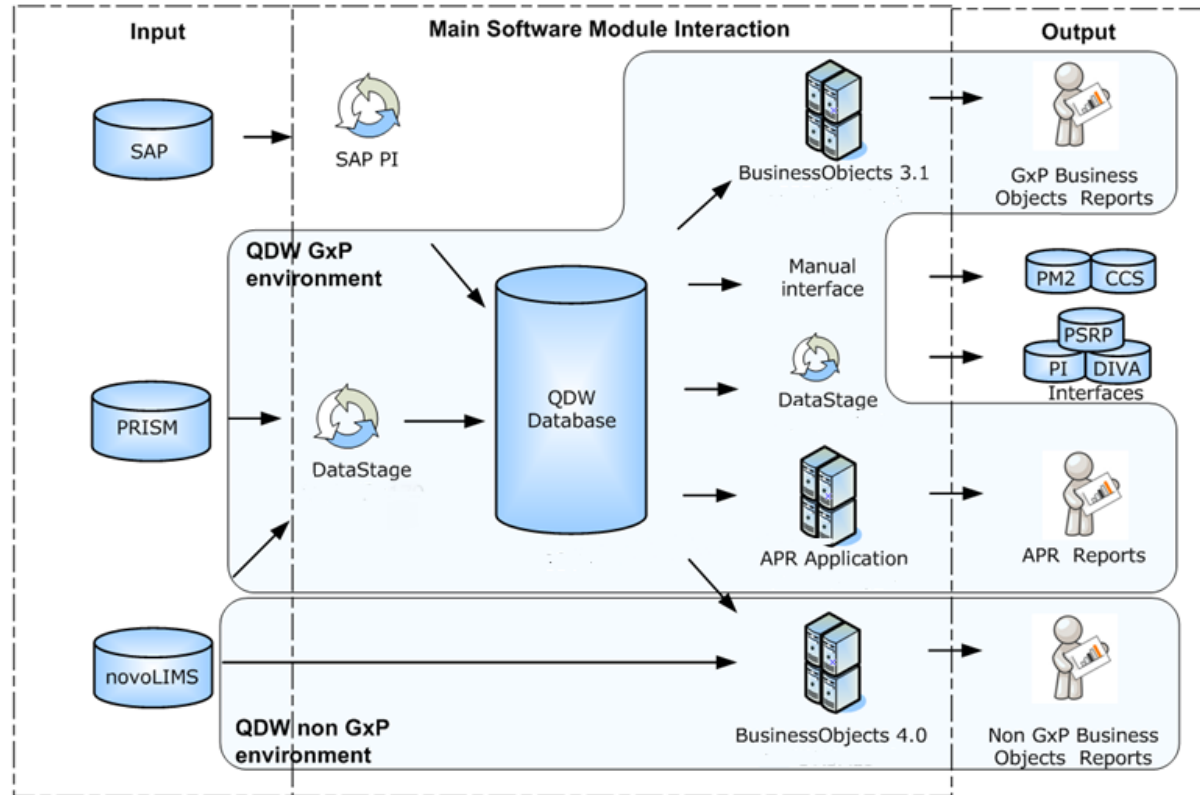
Hvor bruges BusinessObjects i Novo?

- Mange steder
 - Vores afdeling: 7 forskellige installationer på 3 systemer
 - BO 3.1: Bundled i laboratoriesystem "PEMS": 3 miljøer (DEV / VAL / PROD)
 - BO 3.1: Datawarehouse "QDW": 3 miljøer (DEV / VAL / PROD)
 - BO 4.0: Ikke-kritisk rapportering: 1 non-GxP miljø (DEV / TEST / PROD)
 - BO 3.1 bundled med f.eks. helpdesk system
- Ledelsesrapportering i Product Supply
 - Affecto har været involveret
- Flere andre steder...

Antal rapporter

- QDW: 12 rapporter udviklet over ca. 14 år
- PEMS: 14 rapporter udviklet over ca. 8 år
- Non-GxP: 11 rapporter udviklet over ca. 9 måneder

QDW System landscape





The rise of Dark Data 1.0

QDW non-validated Quality Reporting
A general Presentation for QDW Users

The rise of “Dark Data” 1.0

- [Video introduction about Dark Data](#) (Online)
- [Video introduction about Dark Data](#) (Local file)

What is Dark Data?

- Dark data is data that we generate or own but that is not easily accessible
 - Because we have to go through many screens to access it – piece by piece
 - Because we have to get information from more than one source and manually piece it together
- Large amounts of data that we cannot comprehend
 - Because tables are not easily overviewed without charts
 - Because we do not have data aggregation.



Why do we need to reduce dark data?

- We want to generate more value
- We want to reduce waste
- We want to know for sure – get the answers
- We want to get the answers faster
- We want to facilitate the decision process



Does a large company have Dark Data?

- Certainly! Lots of it!
 - Maybe not in quite the same way as in the SAP video presentation...
- The video presentation is a commercial for a product called SAP Lumira. (Formerly known as BusinessObjects Explorer)
 - We do not use Lumira
- However, we do have a large amount of data, that is not easily available.
- And we do have non-GxP tools, that can shed light on this data
 - They use the Lumira technology

non-GxP Quality Reports

- BusinessObjects reports, just like the “normal” QDW.
 - But a newer version
- Currently accesses two databases
 - QDW ✓
 - novoLIMS ✓
- Other data sources can be added later
 - Empower? ✓
 - PEMS? ✓
 - SAP? ✗
- Combined reports, pulling data from QDW and PEMS in the same report.
- The possibilities are (almost) limitless.

Non-GxP: Restrictions

- Cannot be used for any purpose, where it could affect patient- or product safety.
- Mostly used for planning purposes
- Also used for KPI overview

Some observations on BO 4.0

- Clearly a “first release” product.
 - ASUG conference in Anaheim: “4.0 did not live up to our expectations”.
 - 4.1 supposed to be improved
- We have experiences with Web Intelligence only
- WebI Rich client – crashes occasionally
 - Save your work frequently
 - Purge prompt – also purges any default value
 - Input controls – not saved
- Web client – times out
 - Errors above not an issue
- No errors have been “show stoppers” – we are quite happy about BO 4.0

Comparing BO 3.1 and 4.0

- 64 bit architecture vs. 32 bit
 - Improved performance
 - OBS: Oracle client 64 bit on server – can't use client tools. (Fixable)
- Stability
 - Both seem rock stable, once the reports have been developed
 - Issue with some 4.0 log files piling up on the server, if default settings are used

Comparing BO 3.1 and 4.0

- License
 - 2 CPU for BO 3.1 (GxP) system, EDGE license for BO 4.0 (non-GxP9)
 - Max 50 concurrent users on EDGE licenses (currently using 15)
- Hardware
 - BO 4.0: 16 cores and 64 Gb Ram
 - BO 3.1: 2 cores and 4 GB
- Performance
 - 4.0 is much faster than 3.1

Upgrade from 4.0 to 4.1

- Tried it
- Didn't work...
- Tomcat failed
 - No time to re-try – reinstall 4.0 first!
 - Possible just need to do upgrade with "Run as Administrator"



Love IT



Plans for the future

- Get the non-GxP platform upgraded to version 4.1
 - Upgrade of a test server has rendered the server unavailable
- Increase the data sources available (more systems)
- Combine data from different source systems in one report
- Increase the number of reports
- Fast development time
- Upgrade the GxP systems (PEMS, QDW) to 4.1