

Are you ready for  
**BW/4HANA**  
migration?



**SIT NL 2019**

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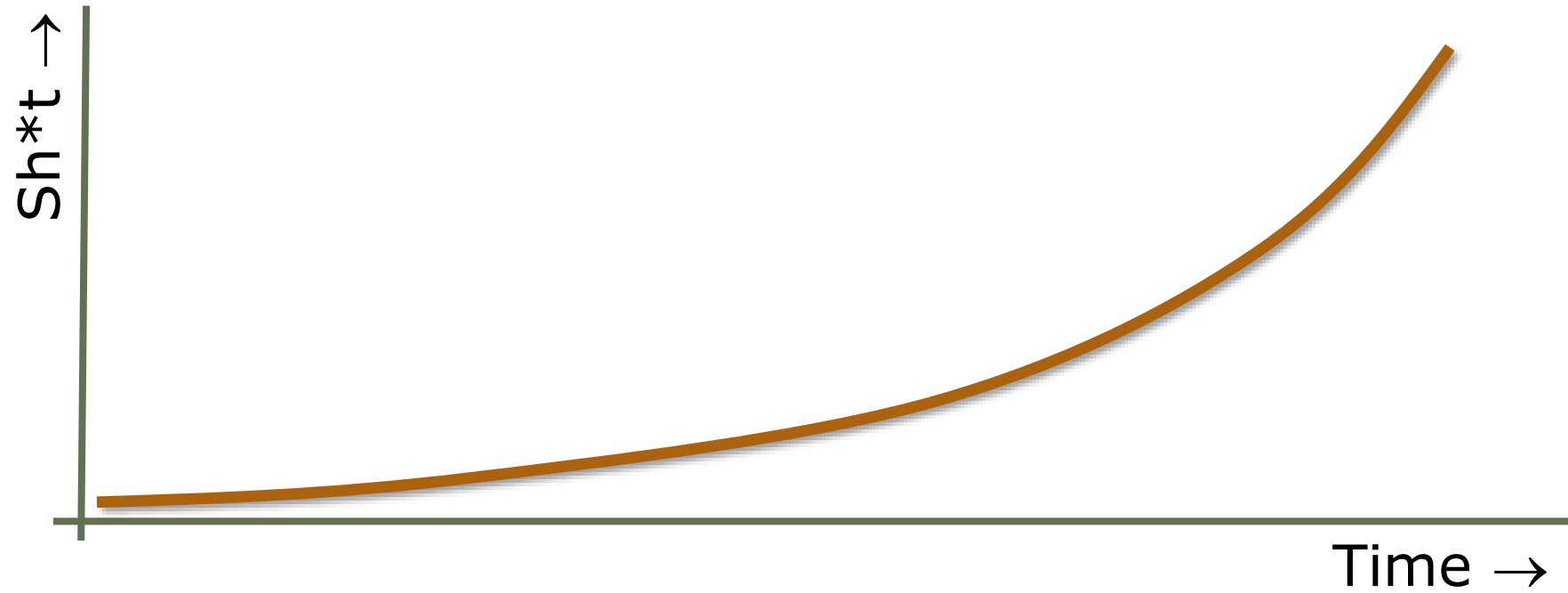
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It's the E.I.S.F. !



Exponentially Increasing Shit Factor

# Examples of old ~~code~~ config

- BEx Workbooks / Web Templates
- APD's
- 3.x data sources
- ABAP FM Reporting variables
- Old ODBC / JDBC connections
- ...

# I don't have all the answers....

Dec 2018: 16,000 BW implementations

SAP BW 7.5		SAP BW 7.0 to 7.4	
SAP HANA	Other Database	SAP HANA	Other Database
1,500+	2,000+	3,500+	9,000+

# Where are you on your journey?

- On BW/4HANA
- On BWoH 7.5 and in good shape for BW/4HANA migration
- On BWoH but not close to ready for BW/4HANA migration
- Not 'oH' yet and a long way to go

# Write on (different) post-it notes...

## Post-it note 1:

- Objects / configuration you expect to find in your system and is likely to give you grief when moving to BW/4HANA

## Post-it note 2:

- How long do you expect a BW/4HANA conversion project to take?
- How many people do you think you will need for the conversion?

# AGENDA

- Roadmap and conversion strategy
- Get to know your systems  
(and the conversion cockpit)
- Project approach

# ROADMAP

- Your BI / Data Warehouse roadmap could influence the strategy for migration
  - Baseline priorities  
*strategic business changes, planned business initiatives, existing 'pain' and gaps*
  - Address need for architectural re-design
  - Reaffirm the governance in place
  - Adapt Way of Working to become more Agile
  - Confirm UI Strategy
  - ...
- Align business with upcoming changes  
(and their required involvement in the project)
- Manage business expectations

# Conversion strategy

- In place
- Remote
- Shell
  - Without data
  - With data

**Path 1**  
**New to SAP or Ready for a Fresh Start**

- Bring data from your old systems to a new SAP BW/4HANA system with our integrated data management and quality tools
- If the design of your current SAP landscape is over five years old, it's time to consider a fresh start
- Leverage a modern data warehouse, without modifications or work-arounds of the past

**Path 2**  
**Convert Your System**

- Complete conversion of a single existing SAP Business Warehouse system to SAP BW/4HANA
- If your current SAP landscape has been highly maintained (SAP BW, powered by SAP HANA), you most likely can convert to SAP BW/4HANA in just a few steps

**Path 3 \***  
**Simplification for Faster Business Value**

- Ideal for large enterprises with multiple instances of SAP and non-SAP BW systems
- Consolidation into one global SAP BW/4HANA system or selective data transfer

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# Get to know your systems

- Readiness check ('10,000ft view') ([link](#))
- Pre-checks ('the long read' - [video](#))
- Note Analyzer  
*Original source, target, and all SAP source systems*
- Manual checks
- Conversion Cockpit checks



# Application Log

Technical Information Help

Date/Time/User	Num...	External ID	Object text	S
01.02.2019 21:23:14 C5280997	6.808	RS_B4HANA_C...	BW Data Basis	Het
• Run sizing report before 1. transfer, Note 229629.	1			
• Switch to Ready For Conversion mode	6.807			
• Check Result: Cannot set Ready for Conversion mode. See details below.	1			
• Ready For Conversion mode not possible because B4H mode not possible	1			
• Please be aware that authorization objects need to be adjusted. -->SAP Note 246	1			
• Required actions for switch to B4H mode	4.042			
> Supported by Transfer Tool	526			
> 3.x Migration -->SAP Note 2470352	253			
> <b>BW4 Transfer Tool (use transaction RSB4HTRF)</b>	272			
> Automated Cleanup	3.076			
> Manual Redesign (take the necessary action)	425			
> BW Planning	14			
> Required actions for switch to Ready For Conversion mode	2.761			

Ty... Message Text



# Note Analyzer results (note 2383530)

	Notes
Note Assistant	4
Corrections	16
Task Manager	7
BW4 Add-on	27
BW4 Prepare	82

- BW source, BW target, SLT, CRM, (S/4HANA)
- SP upgrade is probably easier than implementing many notes
- Note Analyzer is regularly updated! (new .xml files)

# Example migration (ongoing project)

- BW 7.4 SP09 Shell conversion to BW/4HANA (Carve out)
- HANA Sidecar migration to BW/4HANA (Carve out)
- BI Platform 4.1 -> 4.2 migration
- SAC implementation



- SAP ECC to S/4HANA migration
- 'Codeblock' (internal org structures) change
- Ariba and Concur implementation

# Biggest issues so far

- Getting a clean system copy for development (BDLS issues galore)
- Getting Note Analyzer to work on BW 7.4 SP09  
(We didn't, but upgraded to SP22 instead)
- Making source systems (CRM, SLT) ODP compliant (more notes)
- Getting all historical master data  
(as the original sources may not contain this anymore)
- BW 'Self' system defined ABAP FM datasources
- Infosets (automated conversion exists, but with restrictions)
- Learning to love the Conversion Cockpit ('minimum scope')
- User Exit variables / authorisation variables
- Authorisation conversion
- Transfer routines on InfoObjects
- Missing conversion routines

# Lessons learned



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## State of Arkansas: Lessons from Three Parallel SAP HANA Migrations and a Conversion to SAP BW/4HANA

Johannes Lombard, EVP: Analytics & Technology, LSI Consulting  
Amber Rust, AASIS Technical Manager, State of Arkansas: DFA  
Session ID # 82645

- Converting a SAP BW system to BW/4HANA is not a simple task... no 'wizard' that automatically converts everything
- The automated processes are not meant to fix badly designed models or clean up neglected systems
- Keep your SAP notes up to date! (2383530, 2603241)
- Make sure you have a mix of resources with knowledge of the old system, as well as BW/4HANA.

# Training

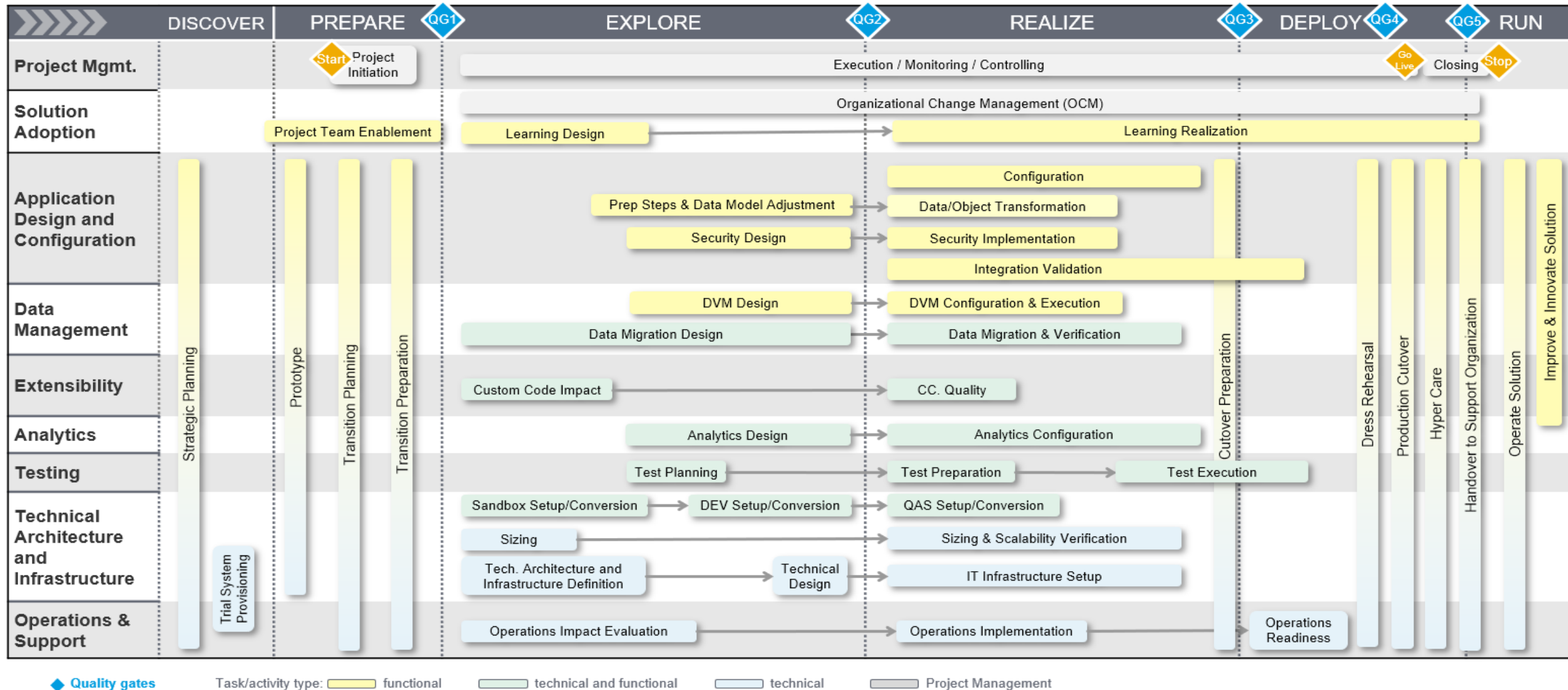
- Dedicated BW/4HANA conversion training (CBW4HANA)
- BW/4HANA training
- HANA modelling
- SDI / BODS
- .....

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# Use SAP Activate

## Transition to SAP BW/4HANA 19Q3



# SAP Activate project phases

- **DISCOVER**
  - Confirm roadmap
  - High level approach
  - Training plan
- **PREPARE**
  - HL Project plan
  - Early prep (3.x conversion)
  - Delete unsupported objects
- **EXPLORE**
  - PoC's
  - (Dev landscape setup)
  - Detailed plan
- **REALIZE**
  - Development
  - SIT / UAT / Performance test
- **DEPLOY**
  - Cutover plan
  - Go-live
- **RUN**
  - Hypercare
  - Optimise

# SAP Activate resources

- **ROADMAP VIEWER (INTERACTIVE USE)**

<https://go.support.sap.com/roadmapviewer/#/group/658F507A-D6F5-4B78-9EE1-0300C5F1E40F/roadmapOverviewPage/BWHANATRANSONPRE>

- **DIRECT LINK TO PDF: TRANSITION TO BW/4HANA**

[https://support.sap.com/content/dam/SAAP/SAP\\_Activate/S4H\\_366.pdf](https://support.sap.com/content/dam/SAAP/SAP_Activate/S4H_366.pdf)

- **BLOG WITH UPDATES**

<https://blogs.sap.com/2017/04/26/transition-roadmap-for-sap-bw4hana/>

# Organise one or more sprints in every phase

- **Use the elements from the 'Agile' project methodology which are useful for you**
  - Sprints with fixed scope and duration (for example 4 weeks)
  - Define Epics / Story and use story planning sessions
  - Daily Stand-ups
  - Sprint Reviews
- **Use tools to support working in an agile way**
  - Quick 'Clubhouse' demo (but there are plenty of tools to choose from)