

The Road to SAP BW/4HANA

September 2016



Disclaimer

This presentation is not subject to your license agreement or any other agreement with SAP. SAP has no obligation to pursue any course of business outlined in this presentation or to develop or release any functionality mentioned in this presentation. This presentation and SAP's strategy and possible future developments are subject to change and may be changed by SAP at any time for any reason without notice. This document is provided without a warranty of any kind, either express or implied, including but not limited to, the implied warranties of merchantability, fitness for a particular purpose, or non-infringement. SAP assumes no responsibility for errors or omissions in this document, except if such damages were caused by SAP intentionally or grossly negligent.

Choosing Your Path to SAP BW/4HANA

At SAP, we realize each of our customers are starting their journey to a modern data warehouse from different places. That's why we have created distinct paths, complete with distinct services and tools, to help you achieve your goals in the most direct fashion, with the least disruption.

Path 1

New to SAP or Ready for a Fresh Start

- Bring data from your old system to SAP BW/4HANA 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 an 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 many instances of SAP and non-SAP BW systems
- Consolidation into one global SAP BW/4HANA system or selective data migrations

* *Planned*

SAP BW/4HANA – Path 1

New Implementation

Scenario Description

- New installation of SAP BW/4HANA e.g. for customers migrating from a legacy system or
- Build a system from scratch, with a new data model and load only relevant data from source systems
- For customers, who want a fresh start, we are planning to offer an option to transport certain objects from the existing SAP BW system to a newly installed SAP BW/4HANA system

Benefits for Customers

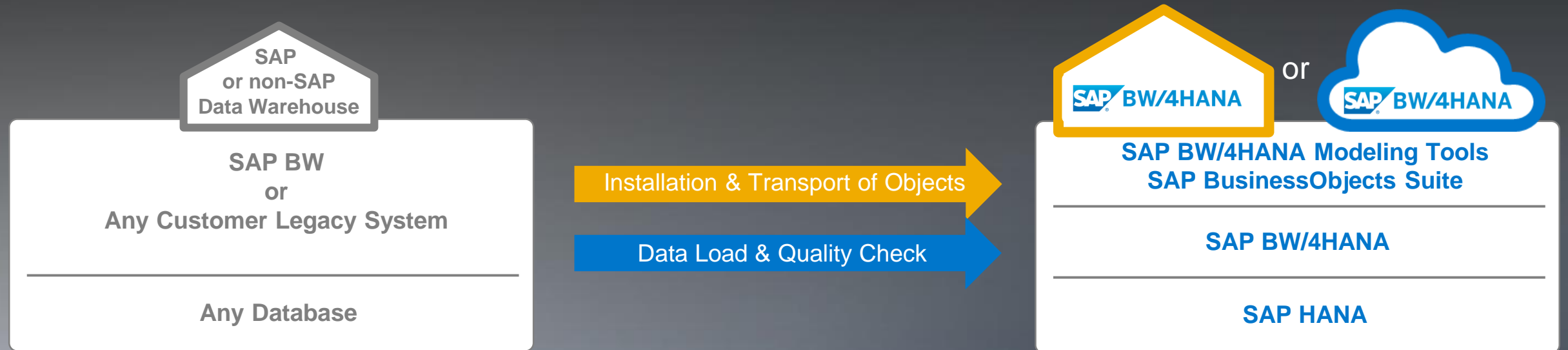
- Re-engineering and process simplification based on modern data warehouse architecture
- Eliminate old data and shrink system size
- Reap full benefits of SAP HANA platform

Target Group

- SAP Business Warehouse customers or net new customers

SAP BW/4HANA

New Implementation



What

- Install SAP BW/4HANA, selective transport of BW objects (optional *), implement HANA-optimized data models and flows, followed by data load and quality checks

How

- Software Provisioning Manager (SWPM), system connection (SAP source), SAP BW/4HANA ETL, file upload and/or SAP HANA EIM (legacy sources)

* See appendix

SAP BW/4HANA – Path 2 *

System Conversion

Scenario Description

- Customers who want to change their current system into a SAP BW/4HANA system
- Tool support for database, release, and application transition
- Customers not yet on Unicode need an additional process step

Benefits for Customers

- Migration without reimplementation
- No disruption for existing business processes
- Re-evaluation of customization and existing data models and flows

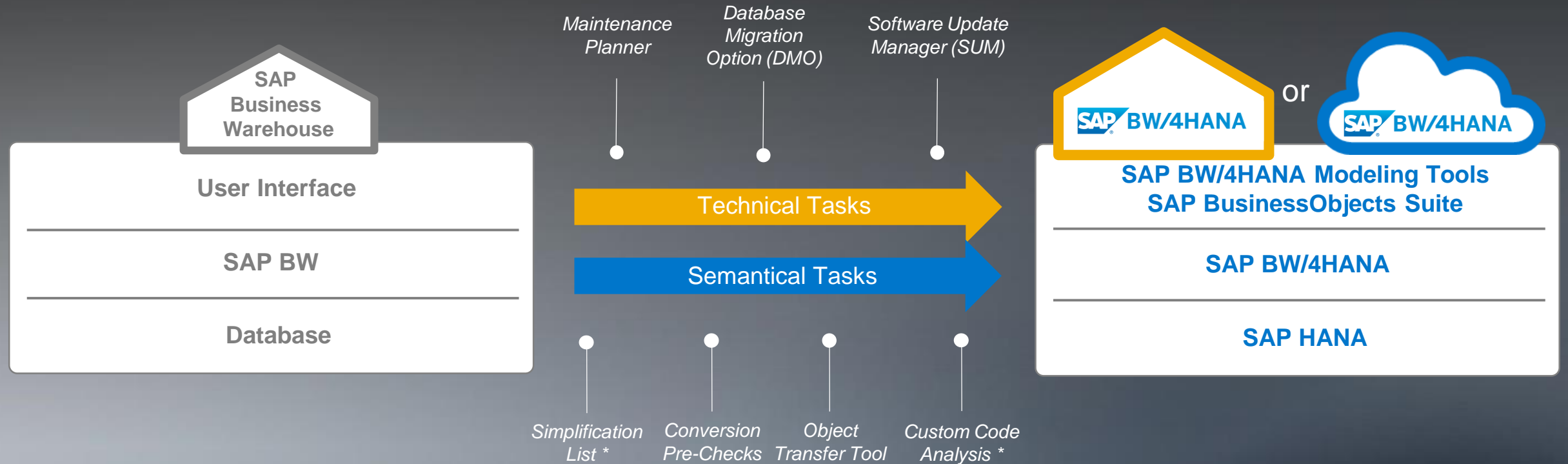
Target Group

- SAP Business Warehouse customers

* *Planned*

SAP BW/4HANA

System Conversion – Approach

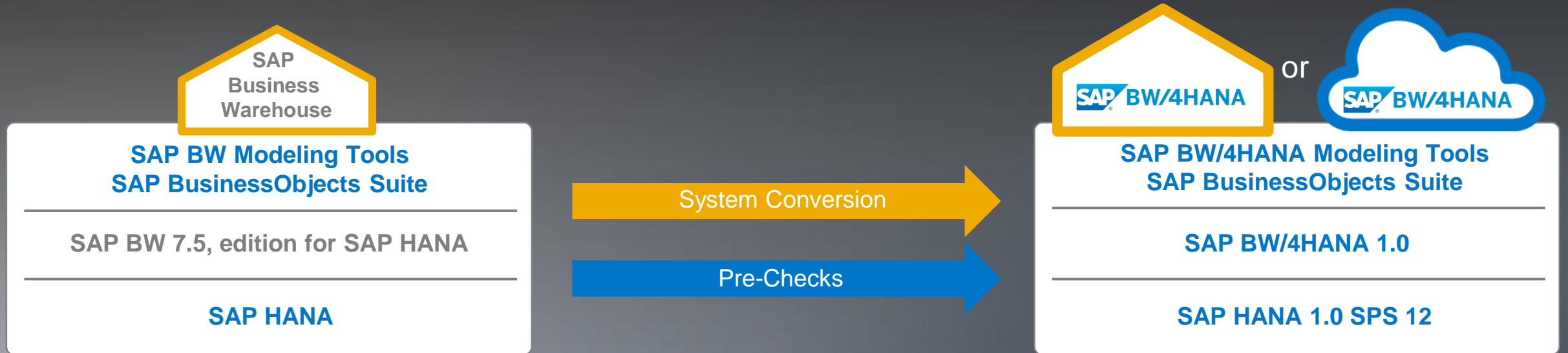


The effort for the system conversion is largely proportional to the duration since the last major system update, the number of classical data models, and the amount of actively used custom coding.

* Possible future tools

SAP BW/4HANA

System Conversion – SAP BW, edition for SAP HANA



What

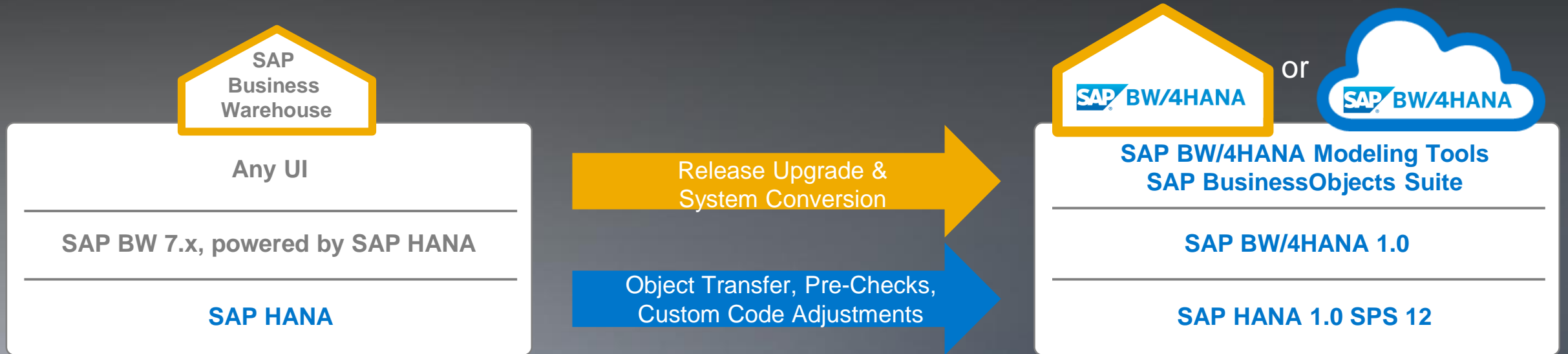
- Check prerequisites (system must be running in strict mode) and perform system conversion

How

- Software Update Manager (SUM)

SAP BW/4HANA

System Conversion – SAP BW, powered by SAP HANA



What

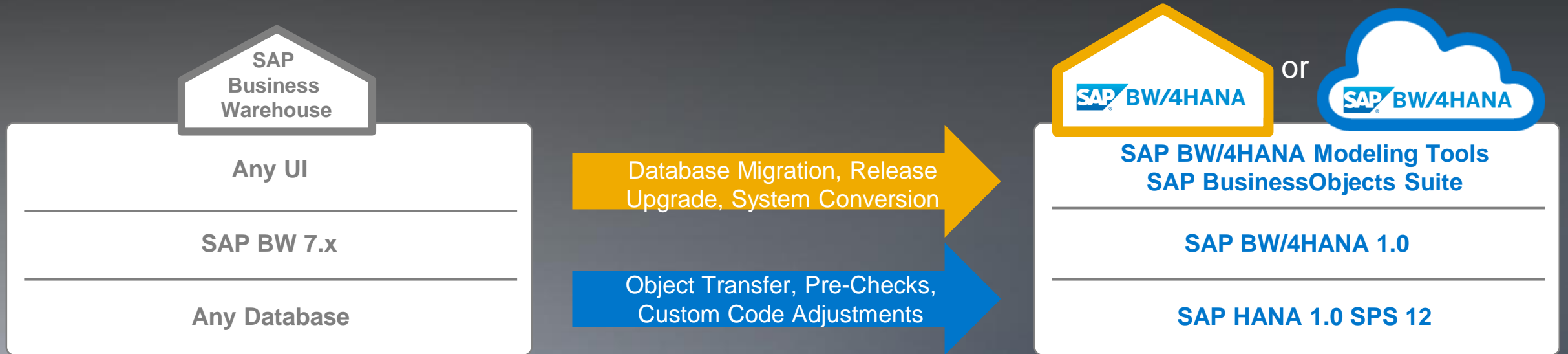
- Upgrade to SAP BW, edition for SAP HANA, transfer classical to HANA-optimized data models and flow and adjust custom code (if necessary), check prerequisites and perform system conversion

How

- Object Transfer Tool, Custom Code Analysis, Software Update Manager (SUM)

SAP BW/4HANA

System Conversion – SAP BW on Any Database



What

- Migrate to SAP HANA platform including release upgrade to SAP BW, edition for SAP HANA and Unicode conversion (if necessary), transfer classical to HANA-optimized data models and flow and adjust custom code, check prerequisites and perform system conversion

How

- Database Migration Option (DMO), Object Transfer Tool, Custom Code Analysis, Software Update Manager (SUM)

SAP BW/4HANA – Path 3 *

Landscape Transformation

Scenario Description

- Customers who want to consolidate their landscape or carve out selected data models or flows into an existing SAP BW/4HANA system
- Customer-specific migration project re-using standard tools (planned service offering from SAP's Data Management & Landscape Transformation group)

Benefits for Customers

- Stay with current data warehouse landscape and move gradually to SAP BW/4HANA innovations
- Harmonized data models and shared master data through consolidation
- Carve out of single entities of the company to SAP BW/4HANA and leverage process simplification

Target Group

- SAP customers with multiple SAP BW, or SAP BW on SAP HANA systems, or hybrid cases

** Planned*

SAP BW/4HANA

Landscape Transformation



What

- Install SAP BW/4HANA, implement consolidated and HANA-optimized data models and flows, followed by data load and quality checks

How

- Selective Data Migration (SLO), SAP Landscape Transformation (SLT), SAP Data Services, SAP BW/4HANA ETL or SAP HANA EIM

Thank you

Contact information:

Marc F. Bernard
Sr. Chief Architect
Product Management SAP EDW (BW/HANA)
SAP Canada
marc.bernard@sap.com

SAP BW and SAP BW/4HANA Releases

SAP BW on any database

- SAP BW + Any supported database platform (other than SAP HANA)

SAP BW powered by SAP HANA

- SAP BW 7.3 or higher + SAP HANA

SAP BW, edition for SAP HANA

- SAP BW 7.5 SP 4 or higher + “BW4HANA” add-on + SAP HANA

SAP BW/4HANA

- SAP BW/4HANA 1.0 + SAP HANA 1.0 SPS 12 or higher

Transport of Objects

It is planned to support transporting objects from an existing SAP BW system to SAP BW/4HANA under the following conditions:

Original System

- SAP BW 7.4 SP 8 or higher

Target System

- SAP BW/4HANA 1.0 or higher

Supported Object Types

- Objects compliant with SAP BW/4HANA
For example: InfoObjects, DataStore Objects (advanced), CompositeProviders, Queries

Unsupported Object Types

- Objects not compliant with SAP BW/4HANA
For example: InfoCubes, DataStore Objects (classic), BEx Web Templates, BEx Workbooks

Note: The process is only intended for initial system setup and not for continuous updates

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. Please see <http://global12.sap.com/corporate-en/legal/copyright/index.epx> for additional trademark information and notices.

Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors.

National product specifications may vary.

These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP SE or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP SE or SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

In particular, SAP SE or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP SE's or its affiliated companies' strategy and possible future developments, products, and/or platform directions and functionality are all subject to change and may be changed by SAP SE or its affiliated companies at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of their dates, and they should not be relied upon in making purchasing decisions.

© 2016 SAP SE or an SAP affiliate company. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. Please see <http://global12.sap.com/corporate-en/legal/copyright/index.epx> for additional trademark information and notices.

Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors.

National product specifications may vary.

These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP SE or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP SE or SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

In particular, SAP SE or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP SE's or its affiliated companies' strategy and possible future developments, products, and/or platform directions and functionality are all subject to change and may be changed by SAP SE or its affiliated companies at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of their dates, and they should not be relied upon in making purchasing decisions.

© 2016 SAP SE oder ein SAP-Konzernunternehmen. Alle Rechte vorbehalten.

Weitergabe und Vervielfältigung dieser Publikation oder von Teilen daraus sind, zu welchem Zweck und in welcher Form auch immer, ohne die ausdrückliche schriftliche Genehmigung durch SAP SE oder ein SAP-Konzernunternehmen nicht gestattet.

SAP und andere in diesem Dokument erwähnte Produkte und Dienstleistungen von SAP sowie die dazugehörigen Logos sind Marken oder eingetragene Marken der SAP SE (oder von einem SAP-Konzernunternehmen) in Deutschland und verschiedenen anderen Ländern weltweit.

Weitere Hinweise und Informationen zum Markenrecht finden Sie unter support.sap.com/corporate-de/legal/copyright/index.epx.

Die von SAP SE oder deren Vertriebsfirmen angebotenen Softwareprodukte können Softwarekomponenten auch anderer Softwarehersteller enthalten.

Produkte können länderspezifische Unterschiede aufweisen.

Die vorliegenden Unterlagen werden von der SAP SE oder einem SAP-Konzernunternehmen bereitgestellt und dienen ausschließlich zu Informationszwecken.

Die SAP SE oder ihre Konzernunternehmen übernehmen keinerlei Haftung oder Gewährleistung für Fehler oder Unvollständigkeiten in dieser Publikation.

Die SAP SE oder ein SAP-Konzernunternehmen steht lediglich für Produkte und Dienstleistungen nach der Maßgabe ein, die in der Vereinbarung über die jeweiligen Produkte und Dienstleistungen ausdrücklich geregelt ist. Keine der hierin enthaltenen Informationen ist als zusätzliche Garantie zu interpretieren.

Insbesondere sind die SAP SE oder ihre Konzernunternehmen in keiner Weise verpflichtet, in dieser Publikation oder einer zugehörigen Präsentation dargestellte Geschäftsabläufe zu verfolgen oder hierin wiedergegebene Funktionen zu entwickeln oder zu veröffentlichen. Diese Publikation oder eine zugehörige Präsentation, die Strategie und etwaige künftige Entwicklungen, Produkte und/oder Plattformen der SAP SE oder ihrer Konzernunternehmen können von der SAP SE oder ihren Konzernunternehmen jederzeit und ohne Angabe von Gründen unangekündigt geändert werden.

Die in dieser Publikation enthaltenen Informationen stellen keine Zusage, kein Versprechen und keine rechtliche Verpflichtung zur Lieferung von Material, Code oder Funktionen dar. Sämtliche vorausschauenden Aussagen unterliegen unterschiedlichen Risiken und Unsicherheiten, durch die die tatsächlichen Ergebnisse von den Erwartungen abweichen können. Die vorausschauenden Aussagen geben die Sicht zu dem Zeitpunkt wieder, zu dem sie getätigt wurden. Dem Leser wird empfohlen, diesen Aussagen kein übertriebenes Vertrauen zu schenken und sich bei Kaufentscheidungen nicht auf sie zu stützen.