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Technical assessment before migration to S/4HANA

April
2019

Why is technical assessment important?

Assessment results can help you cut down on migration budget and terms. Here is what you get:

_01 A statement of work for migration services.

_02 A list of objects, which can be converted automatically.

_03 A list of improvements and recommendations for S/4 HANA innovation activation.

_04 Migration budget and terms evaluation based on risk analysis.

_05 S/4 HANA migration approaches, listing the advantages and disadvantages of each choice.

Five stages of technical assessment

_1 **System usage monitoring**

_2 **S/4 HANA system compatibility check**

_3 **Scope of ERP conversions analysis**

_4 **Scope S/4 HANA innovations analysis**

_5 **Drawing up project specification**

Assessment duration:
- Small and medium-sized enterprises (up to 200 users): 3-4 months
- Large enterprises:– 7-9 months(depends on system size)

Project stages

IBA Group software engineers provide a 5-stage technical assessment

Stage	1	2	3	4	5	Result
	System usage monitoring	S/4HANA system compatibility check	Scope of ERP conversions analysis	Scope of S/4 HANA innovations analysis	Drawing up project specification	S/4 HANA migration approach is determined
Week	0 – 4*	4 – 6	6 – 10	10 – 12	12 – 14	15
Process	Ground check SCMON	Conversion Pre-check	Errors & Automatic remediation check	Functional Upgrade and Innovations check	Target scope assessment	
Result	Detect unused objects (unused code, objects)	Complete list of compatibility errors	The list of errors is shortened, objects for automatic conversion are determined	Approved list of S/4 innovations from Simplification list	Statement of work and recommendations for migration strategy are provided	

*First stage duration:
- Minimum SCMON running time: 1 month
- Optimum SCMON running time: 4 – 6 months

Stage1

System usage monitoring

0 – 4

Ground check SCMON

Detect unused objects (unused code, objects)

ABAP Call Monitor (SCMON) is launched to define SAP ERP elements, which are not used and need no further processing.

SCMON runs for 1 month minimum, the optimum is 4-6 months. The best option is to launch it 1 month prior to the end of the company's fiscal year and continue monitoring for 4 months at least. In this case, **Code usage report** will contain all types of fiscal closings (month, quarter, year). In other periods of a year this SAP ERP functionality may stay inactive.

The stage is executed by a **basis admin**.

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Stage 2

S/4 HANA system compatibility check

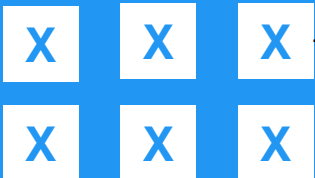**4 – 6**

Process

Conversion Pre-check

To make sure the customer's systems are compatible with S/4 HANA (**Conversion Pre-check**), special utilities are run on the existing landscape to check add-ons, business solutions, and dependent applications.

System compatibility check takes 2 weeks minimum, and is carried out by a **basis admin and a solution architect**. As a result, we receive a complete list of errors and inadequacies.

Result

Long list of Errors

X	X	X
X	X	X

A complete list of errors and incompatible objects in the system

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Stage 3

Scope of ERP conversions analysis

Week

6 – 10

Process

Errors & Automatic remediation check

We divide Long list of Errors into clusters. Then we evaluate unused code, analyze data and object errors.
On this stage we define scope of conversions to be made and the required software tools.

The stage takes 4 - 6 weeks at least, and is carried out by a **S/4 solution and S/4 technical team.** As a result, we get errors cluster, list of new tasks and objects to be automatically converted, as well as detect objects, which need no further processing.

Result

Errors clusters

X	X	V
X	V	X

Objects to be automatically converted to S/4 HANA

Objects to be manually converted and adapted to S/4 HANA

Unused code — Unused functionality

Stage 4

Scope of S/4 HANA innovations analysis

Week

10 – 12

On this stage we analyze which of S/4 HANA innovations (Simplification List) can and should be activated. We also define final list of legacy objects to be converted to S/4 HANA.

Process

Automatic code remediation

The stage takes 2 weeks minimum and is carried out by a **S/4 solution architect in collaboration with a business process owner from the customer side**.

On completion, we get an approved scope of work for a new project.

Result

Legacy objects to adopt —— Objects to be converted to S/4 HANA (automatically or manually)

S/4 innovations to activate —— S/4 HANA innovations for customer's business

Stage 5

Drawing up project specification

We draw up project specification, which includes:

- functionality requirements;
- statement of work;
- project schedule;
- project cost estimation;
- description of conversion and new functionality activation approaches;
- risk management plan;
- customer's personnel training plan.

The stage takes 2 weeks at least, and is executed by a **solution architect**.

_1 Conversion of ERP to S/4 HANA (System Conversion)

_2 Hybrid migration of ERP to S/4 HANA (Hybrid Transformation)

_3 ERP Landscape Transformation (Landscape Transformation)

What S/4 HANA migration approaches we have applied?

New Implementation	ERP conversion to S/4 HANA (System Conversion)	Landscape Transformation (Central Finance Landscape Transformation)	Hybrid migration of ERP to S/4 HANA (Hybrid Transformation)

New Implementation

_01 Business process reengineering and simplification

_02 Pre-defined migration objects and best practices to work with configuration guide

ERP conversion to S/4 HANA (System Conversion)

_01 Data migration without new implementation

_02 All current business processes are maintained, all consumers of information are satisfied

_03 Reassessment of the existing configuration and technological workflows

_04 Migration to the cloud at customer's option

Landscape Transformation (Central Finance Landscape Transformation)

_01 Stage-by-stage approach due to selective data conversion

_02 Gradual shift towards SAP S/4 HANA innovations

_03 System and landscape consolidation

_04 Migration to the cloud at customer's option

Hybrid migration of ERP to S/4 HANA (Hybrid Transformation)

_01 New system creation according to New Implementation approach (New Implementation)

_02 Selective conversion of legacy functionality according to ERP Conversion to S/4 HANA (System Conversion)

_03 Migration to the cloud at customer's option

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_5 Facts about IBA Group

_1   **25 years in IT business**

_2   **2 600+ IT and business professionals**

_3   **20+ companies located in 12 countries worldwide with headquarters in Prague, the Czech Republic**

_4   **A partner of the world leading IT service providers**

_5   **In-house products and solutions.**

Thank you for your attention!

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8%
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is one of the largest
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7%
ECM/EDM

2%
Other

4%
Mobility