



Clean Core

Strategy and Overview

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PUBLIC



“In the new world,
it is not the big fish which eats the small fish,
it's the fast fish which eats the slow fish”

Klaus Schwab, Founder and Executive Chairman of the World Economic Forum



How to be the Fast One

BE **UP-TO-DATE**

Keep your SAP products up-to-date to leverage the latest Innovations from SAP and gain competitive edge.

**UPGRADE
READINESS**

**RUN
AGILE**

BE **ADAPTABLE**

Keep your system agile to react proactive and fast on changing market- and customer demands

standardization is key

STANDARDIZATION

VS

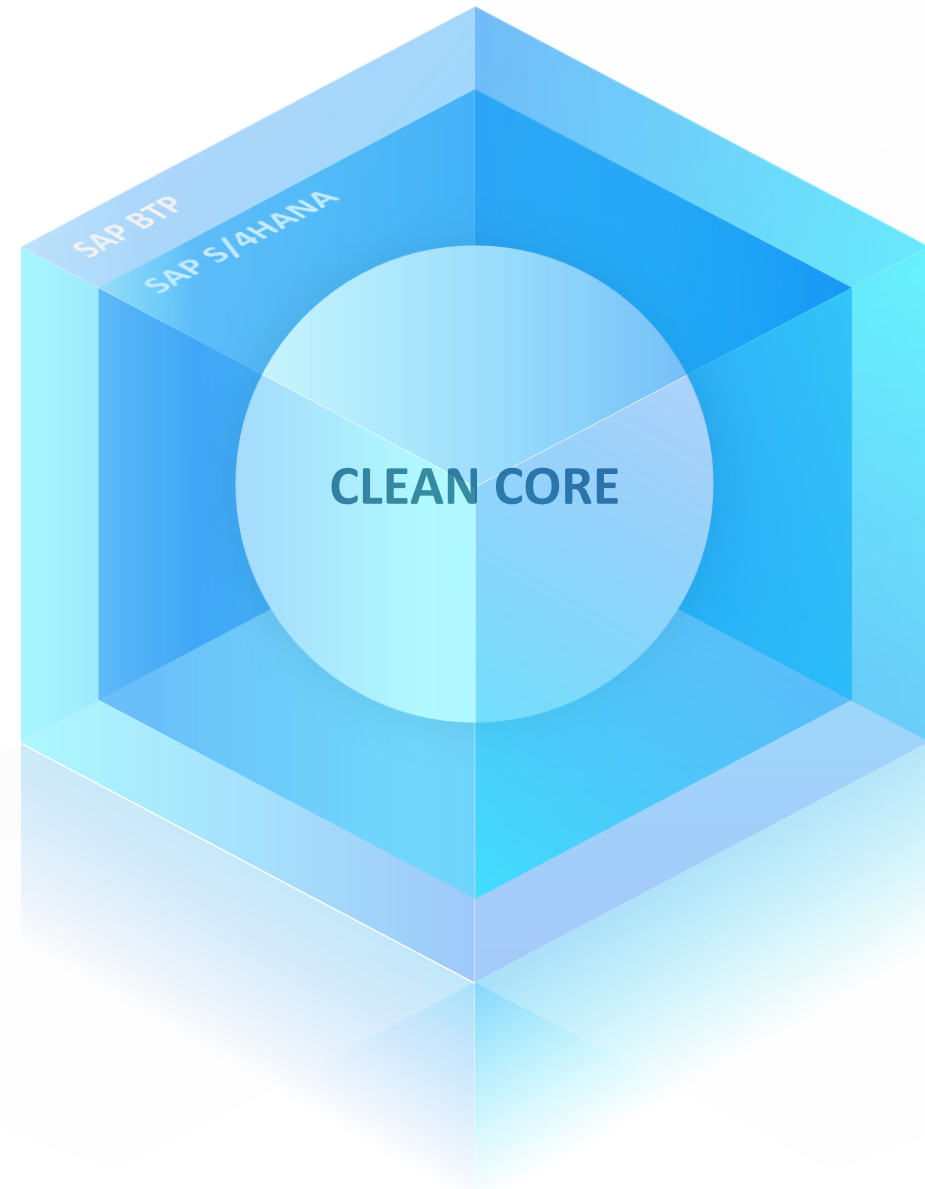
DIFFERENTIATION

The Clean Core

**Clean means up-to-date,
documented, unmodified,
consistent, efficient and
cloud compliant.**

Clean Core is relevant and applicable for **SAP S/4HANA Cloud, private edition**. SAP S/4HANA Cloud, public edition is clean per definition.

Capabilities of the core depend on the implemented software-stack.



Clean Core: Customer Example

Accelerated SAP S/4HANA Cloud upgrade cycles | shortened project times | lowered costs

HITACHI
Inspire the Next

 **Hitachi High-Tech Corporation**

94% fewer

SAP ERP add-ons decreased
from over 9,000 to 520

1 Month

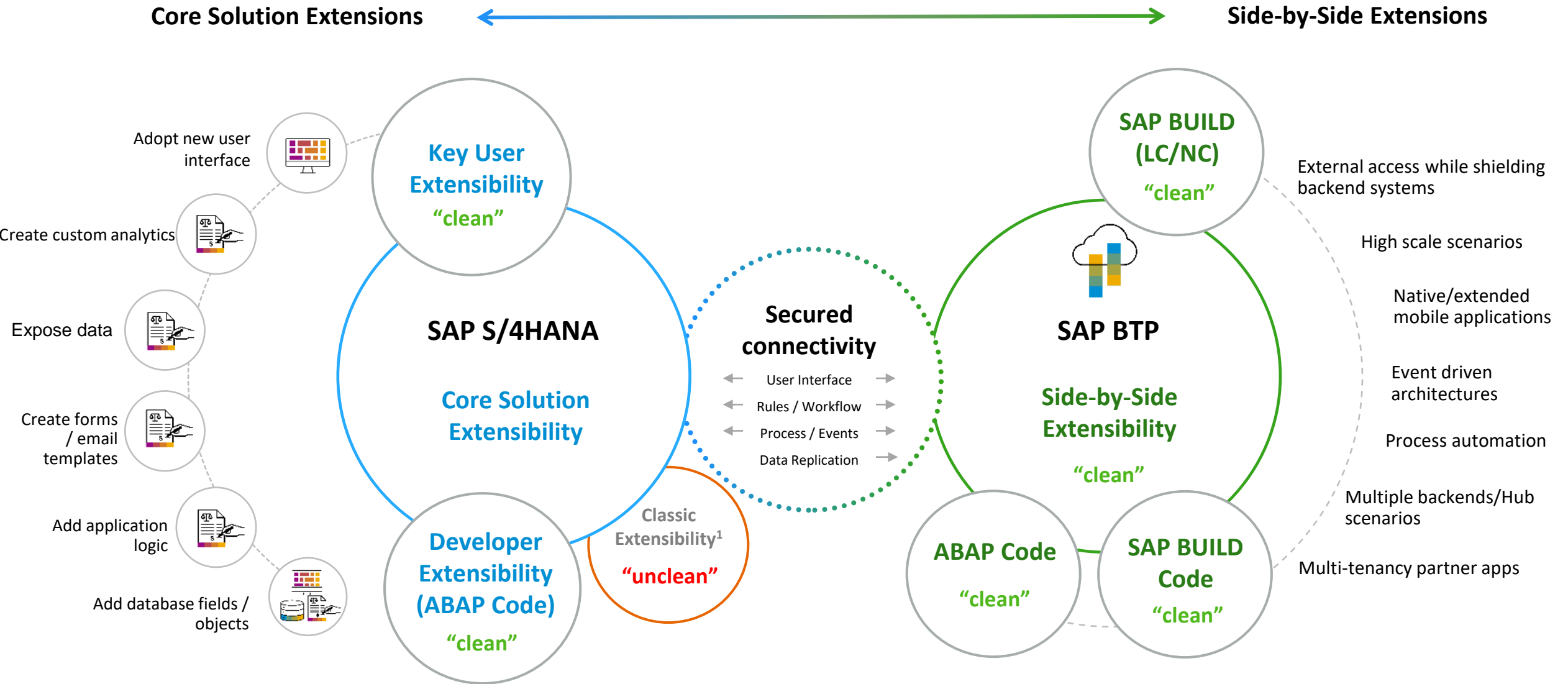
Time spent on upgrading
ERP versions cut from
one and a half years to
approx one month

“We previously upgraded SAP ERP version **every five years**, taking about a **year and a half** from **preparation to implementation**,”
says Yuri Yasuda.

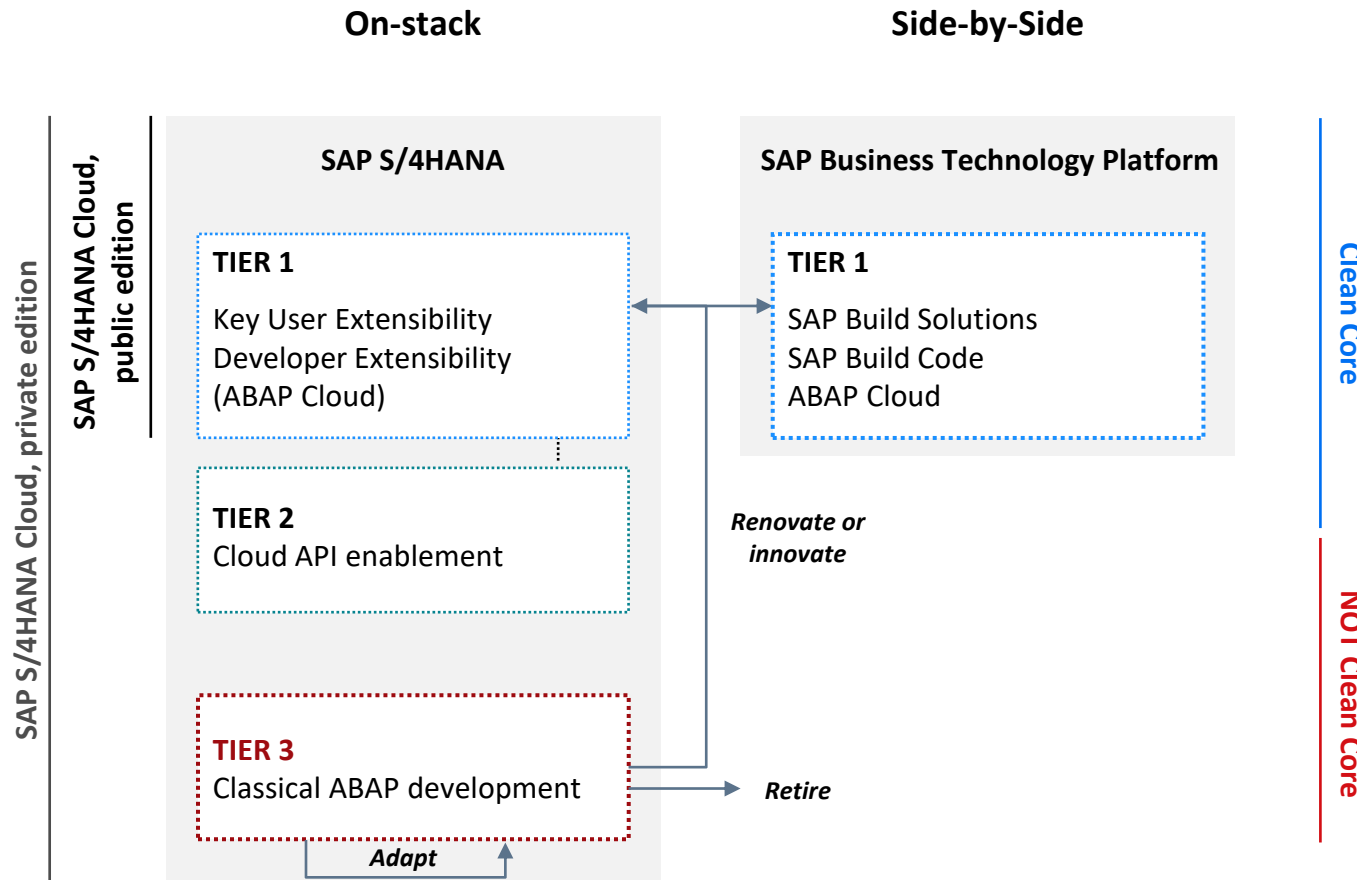
“However, we’re now able to perform major upgrades of SAP S/4HANA Cloud for our domestic group yearly and minor **upgrades twice a year**. We’ve also cut the time from **preparation** to switchover to around **one month**.”

[→ Read the full Customer Success Story](#)

SAP S/4HANA extensibility: when-to-use-what



SAP S/4HANA 3-Tier extensibility model



Availability:

- SAP BTP ABAP Environment, since the launch in 2018
- SAP S/4HANA Cloud, public edition, since the 2208 release for new customers
- SAP S/4HANA Cloud, private edition and on-premise, since the SAP S/4HANA 2022 release

TIER 1:

- **On-stack: Key User extensibility:** Extend and adapt the core of SAP S/4HANA with build-in key user extension capabilities (e.g., adding custom fields)
- **On-stack: Developer extensibility:** Extend by developing cloud-ready & upgrade stable custom ABAP code on SAP S/4HANA (e.g., complex extensions with frequent access to SAP data)
- **Side-by-Side: Extensibility on the BTP:** Extend SAP S/4HANA by building extensions/new apps on SAP BTP, connected with the core via APIs

TIER 2:

- **Cloud API enablement:** Extends tier 1 for private cloud and on-premise by mitigating missing public SAP APIs (APIs are a prerequisite for Tier 1)

TIER 3:

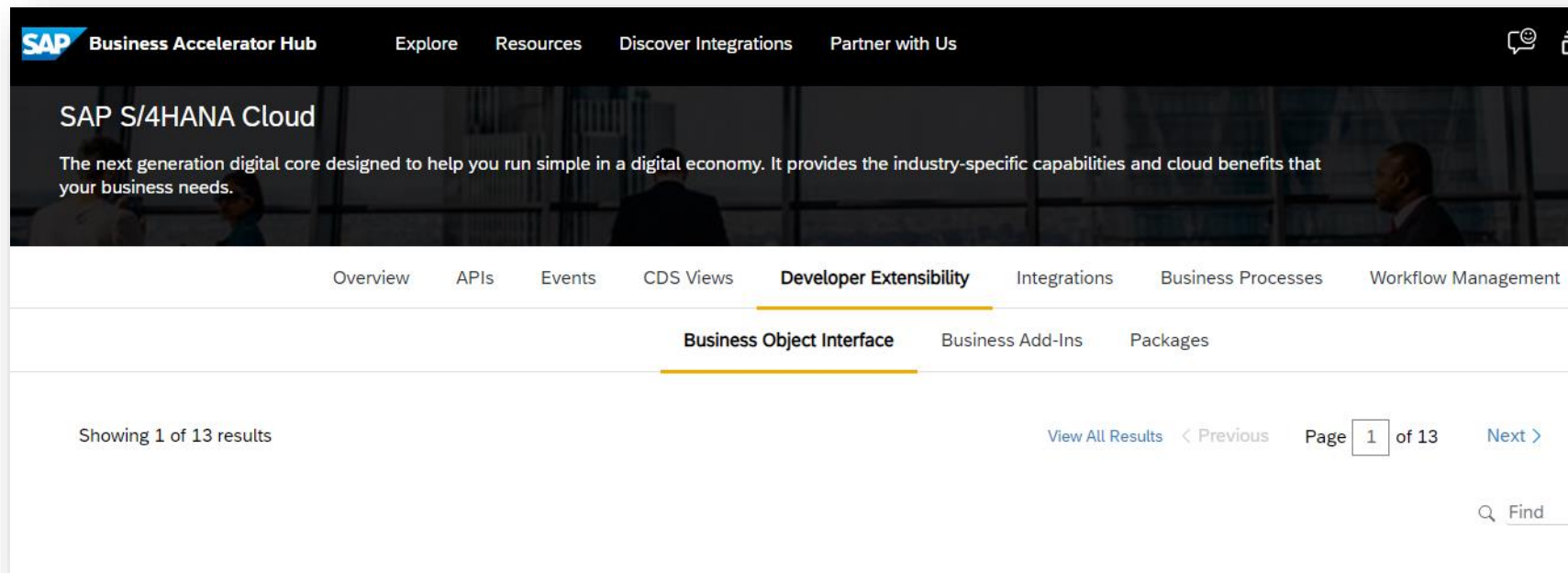
- **Classic ABAP extensions:** Classic extensibility based on ABAP classic which is not supported by ABAP Cloud



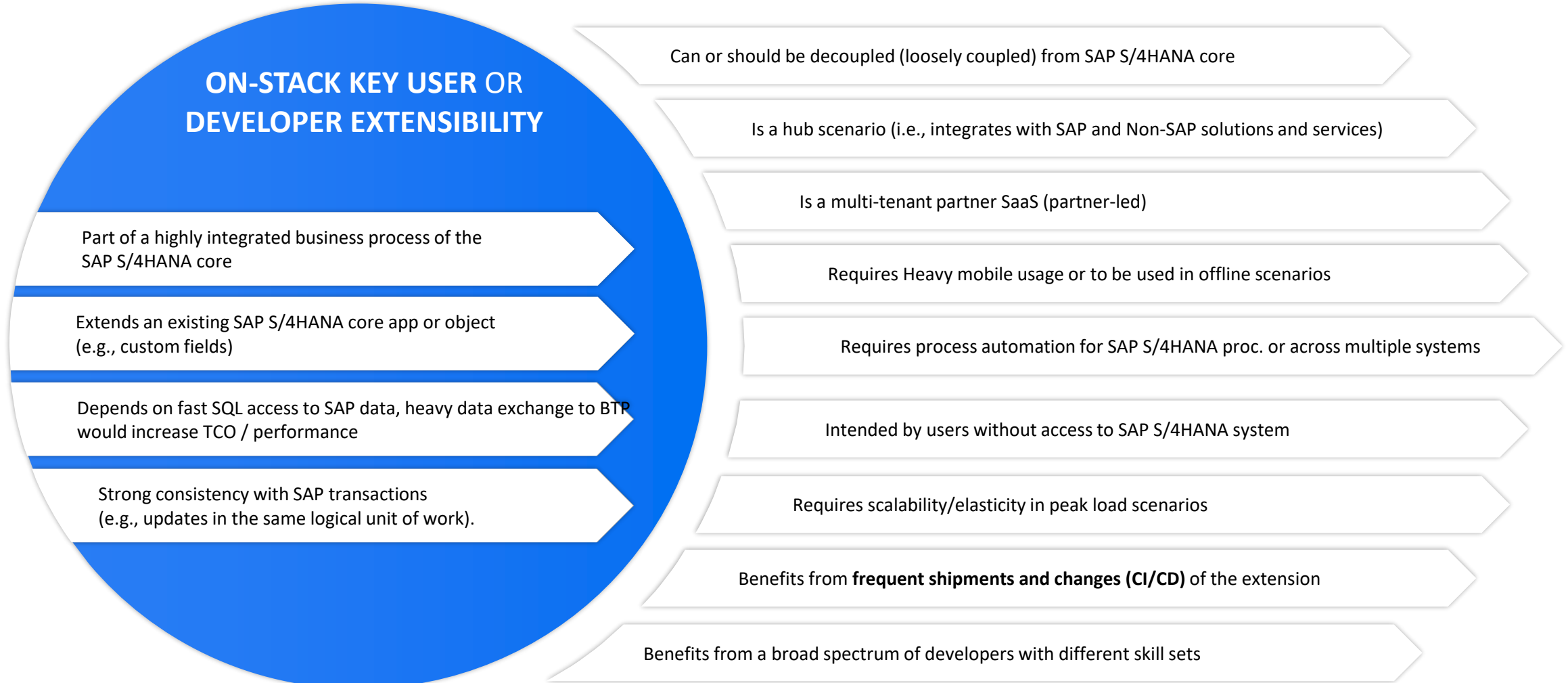
Link to whitepaper

How to identify APIs for SAP S/4HANA

1. Discover APIs in [SAP Business Accelerator Hub](#)
2. Dive into the “released objects” in your system
3. Look for successor objects in your system
4. Utilize [repository](#) of released objects
5. Request APIs for [public](#) / [private](#) cloud

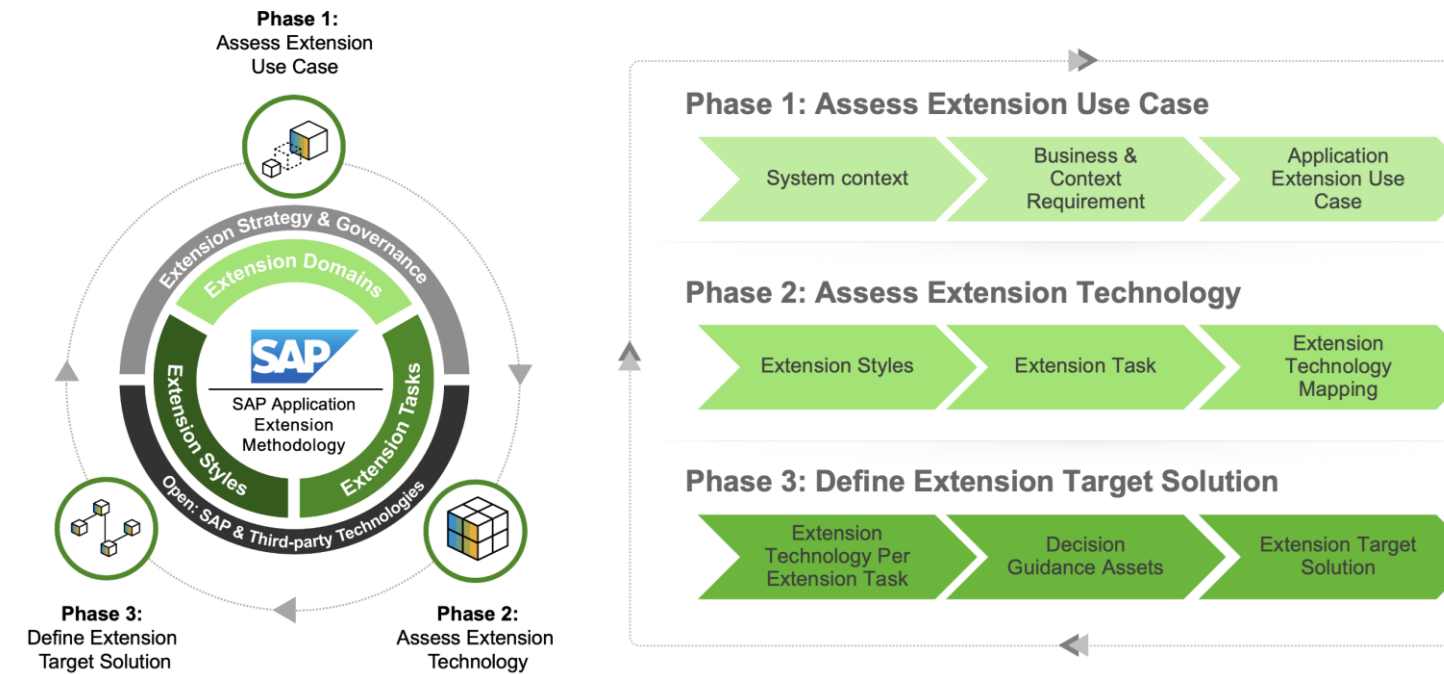


When to use which extensibility option?



SAP Application Extension Methodology

SAP Application Extension Methodology – Overview: Phase 1 - 3

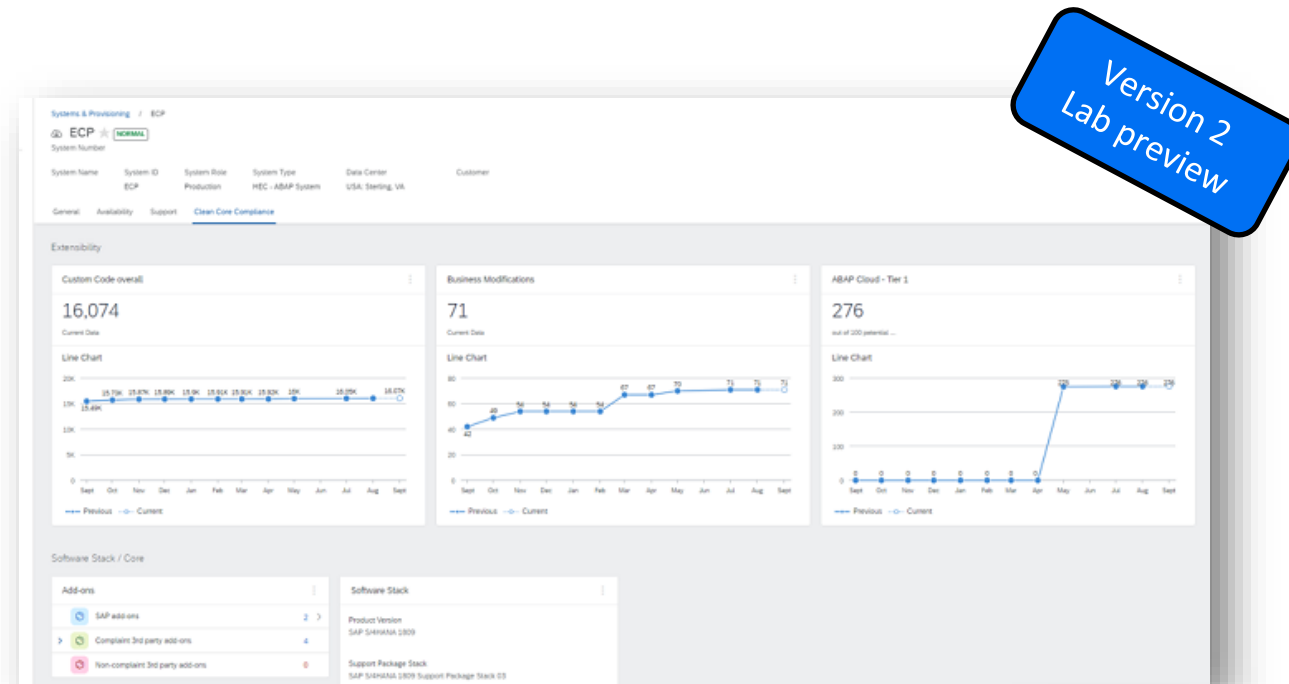
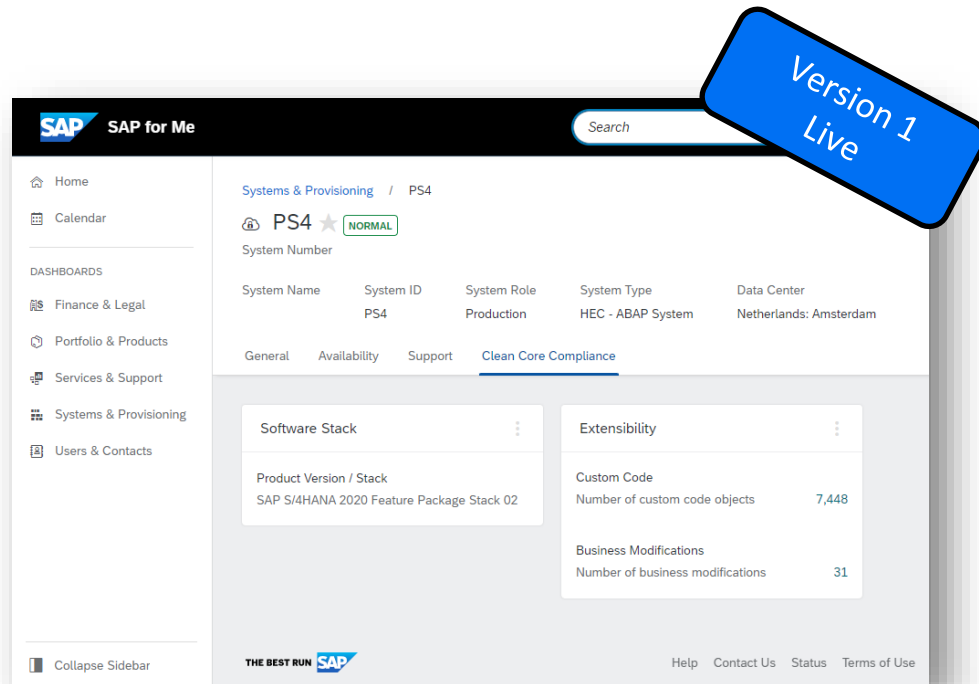


[SAP Application Extension Methodology](#)



The [SAP Application Extension Methodology](#) helps you to define, document and execute an enterprise extension strategy for your organization.

Self Service – Transparency - Clean Core Dashboard



- Available for productive SAP S/4HANA Cloud, private edition systems in SAP for Me (Systems & Provisioning area)
- Gives a technical overview on the “clean core compliance” of your SAP S/4HANA Cloud, private edition systems
- Includes link to guides, services and tools (SAP and partner) that help to get closer to a clean core.

intelligent Custom Code Management (iCCM)

(SAP Service offering)

Awareness

- Explain how a clean core can improve current customer current custom code situation

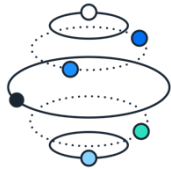
Analysis

- Automated technical analysis
- Customer-specific cluster views
- Impact analysis
- Transformation road map
- Optional functional workshops with customer experts
- Optional feasibility check for rethink and redesign

Advisory and execution

- Custom code retirement
- Custom code remediation, such as quick fixes
- Rethinking and redesigning on-stack
- Replatforming to SAP BTP

What are the other Benefits of having a Clean Core



Access to Innovation



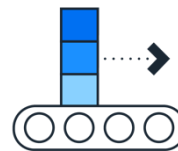
Upgrade Simplicity



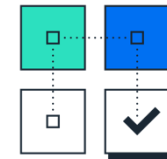
Lower TCO



Enhanced Security



Improved Performance



Data Simplification

Key Takeaway



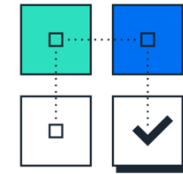
„Code is not an asset,
it is a liability“

- ... but oftentimes required
- To run an agile ERP system it needs to be upgrade-ready and adaptable
- The right balance of standardization and differentiation is key to compete today



Be the
Fast One

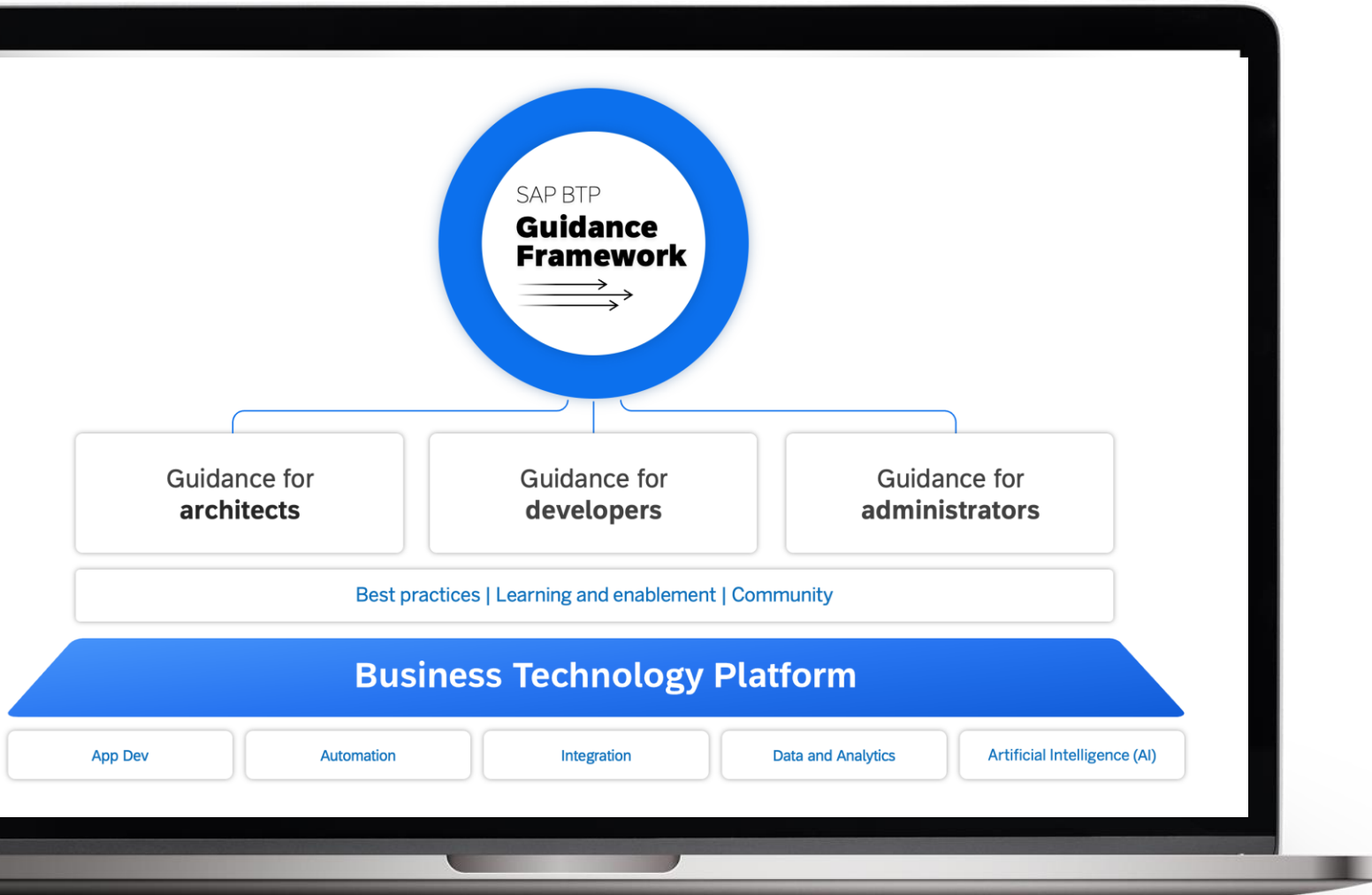
- **Clean Core** as future-proof approach to react proactively and fast on changing market- and customer demands
- **Avoidance, Decoupling, and Governance** are key pillars of a clean core strategy



Leverage the full value of
your **SAP Solutions**

- SAP S/4HANA and SAP BTP building a strong foundation for your next cloud transformation steps
- With on-stack to side-by-side extensibility, you can expand SAP S/4HANA in an effective, and cloud-compliant manner

SAP BTP Guidance Framework



SAP BTP Guidance Framework



The SAP BTP Guidance Framework provides a central access point for architects, developers and administrators to build and run enterprise-grade solutions on SAP BTP.

Thank You

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