



SNP's BLUEFIELD™ Approach to SAP S/4HANA

When a major cereal manufacturer chose to move its data into the cloud, they were initially advised that there was no way to do so within their desired timeframe.

When one of the world's largest technology companies chose to split into two entities, they were told to expect an 18-month ordeal.

When two of the world's largest chemical companies planned a merger, their expectation was that a year was the minimum timeframe – and even that goal was at risk.

CHOOSE BLUE

Each company had monumental goals that would have enormous impacts on shareholders, employees, and entire marketplace ecosystems. And in each case, despite predictions to the contrary, these companies achieved success more rapidly and surely than expected.

What was their secret? And how might their experiences shed light on your pathway to the benefits of SAP S/4HANA? In this paper, we will answer these questions and provide you with more insights into a software-powered approach to migrations called BLUEFIELD™.

A MASS-MIGRATION EVENT

The merits of SAP's next-generation ERP solution S/4HANA have been well articulated by many sources; you can begin reading about them here, for example. But S/4HANA also has an imperative quality: SAP ECC, the prior-generation solution that most enterprises are currently running, is slated for end-of-life in 2025. Tens of thousands of companies all over the world are now considering how to best move forward with S/4HANA. Companies with SAP are at the early stages of a mass-migration event that will continue to unfold over the next several years.

While migration to S/4HANA is all but inevitable, what's the best way to get there? It's a difficult choice involving a careful selection of trade-offs and compromises. Most authorities boil it down to one of two primary choices:

- Go **greenfield** and begin life with S/4HANA with no analytics capability as legacy data is sacrificed by the move into an entirely new system.
- Go **brownfield** and convert existing data and customizations within an updated platform, relegating your move to S/4HANA with its advanced technology to a technical upgrade.

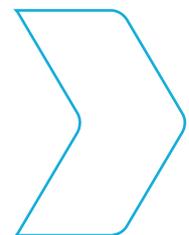
“Probably no single type of project has inspired more angst or induced more heartburn than implementing a new ERP system.”

6 Most-dreaded IT Projects, CIO, June 2018

And then there's the journey itself. Established approaches to enterprise migrations involve armies of consultants who conduct lengthy, complex, and often manual processes. This is what underlies the long time-frames for such migrations, which can often stretch into years – with the risk of errors and costs that are compounded every day.

If moving to S/4HANA is in your future, shouldn't there be a better way to get there? Isn't it possible for you to achieve the technical promise of S/4HANA's in-memory platform, with full analytics capability, on day one of your go-live?

BLUEFIELD™



SNP's BLUEFIELD™ approach to S/4HANA is a new, faster pathway to S/4HANA that leverages the power of software automation together with unparalleled visibility and analytics.



STEP INTO THE COMMAND CENTER

Deep in the heart of your enterprise is a system and data landscape that powers your business operations, automating core business processes and the movement of data – your organization's life blood – from process to process.

Enterprises invest heavily in supporting, maintaining, and upgrading this complex landscape, keeping it safe from harm in the face of risk and danger. And that's a tall order, because your system and data landscape is under threat. Every business restructuring – including mergers, acquisitions, and divestitures – carries the risk of disruption. At the same time, your data is the target of cyberattacks and insider threats. Even necessary technology upgrades can expose your valuable landscape to harm – including cloud migrations.

High cost, risk, uncertainty, and delay can be introduced for each unknown or partially-documented interface, application, and database. Yet this information is embedded within your current system landscape. It should be at your fingertips – and it can be.

How well do you really know it? How readily can you visualize the current state of your technology and data landscape? Do you have complete documentation of your landscape to hand, or are you – at least partially – in the dark? As you contemplate your journey to S/4HANA, think about your answers to these three topics:

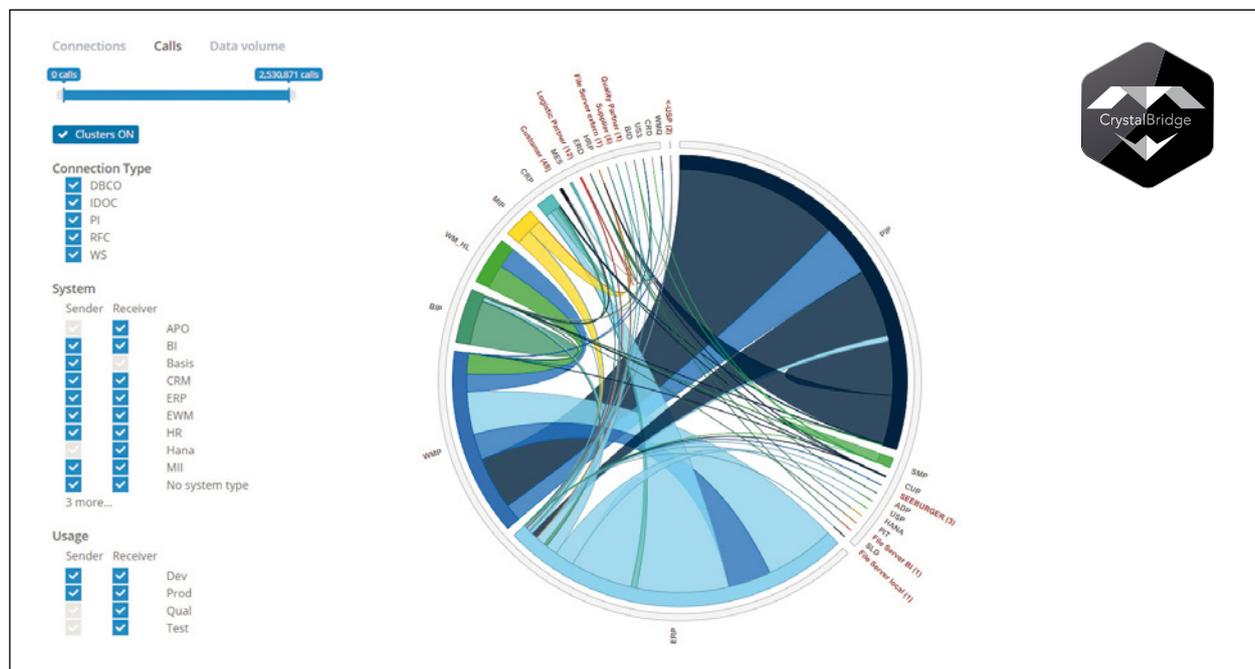
- How many **interfaces** exist within your landscape? How well documented are they? Which ones are active, and which applications are being accessed through them? How much data flows through them, and from what locations? This is vital knowledge that rests at the foundation of an S/4HANA migration.
- What business **processes** are being executed in each part of your landscape? Which modules are available? What are their usage levels and their interrelationships? Most enterprises can map the system modules in operation and the processes they are running. But capturing the relationships between them is often more challenging.
- Can you track **data** – master data, transaction data, and historical data – and resolve all of it into a single view to ensure a successful migration? Do you know the patterns of actual data usage at each location and for each object, so that migration actions can be prioritized? Migration processes are time-consuming and inherently filled with risk. Exposure to these elements can be reduced by migrating data selectively, leaving behind what is not needed.

Your journey to S/4HANA can begin with a view of your landscape produced by CrystalBridge: a software command center that is purpose-built for mastering the toughest transformation challenges.

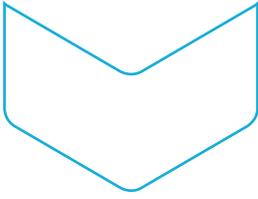
AUTOMATING KEY MIGRATION TASKS

What if you could automate your enterprise's journey to SAP S/4HANA? And what if the results were faster time to value, lower risk of errors, superior compliance capabilities through audit trails, and a more predictable outcome overall? Specially-designed, purpose-built transformation software that has been proven in over 7,000 transformation projects will smooth your pathway to S/4HANA with speed and security. This is possible with the SNP Transformation Platform, which includes the command center CrystalBridge as well as SNP Transformation Backbone, a powerful software product that automates transformation actions, securely accelerating tasks that would otherwise be performed manually.

SAP enterprise landscapes average 9 modules in 23 SAP instances, with 3,400 users across 11 regions and 36 locations.



CrystalBridge identifies every interface connected to the source ERP system in a view that can be filtered to focus on interface usage by volume (in this example, data is filtered by the volume of calls), by connection type, by system module, and usage by production or non-production environments.



HOW SNP'S BLUEFIELD™ APPROACH WORKS

SNP has developed its unique BLUEFIELD approach to SAP S/4HANA migrations by using its SNP Transformation Platform software and drawing upon experience from over 7,000 successful transformation projects with many of the world's most prestigious companies. The primary steps of a BLUEFIELD transformation project with SNP are as follows:



STEP 1: SCAN AND ANALYZE

Scan and analyze your source landscape, and plan and simulate the configuration of your desired target landscape using CrystalBridge. Once your final selections are made, you can export them as code into SNP Transformation Backbone, where they are then staged for execution.



STEP 2: CREATE

Create an empty shell of your source system's Implementation Guide (IMG) configuration and ABAP repository, without master and transaction data. To do so, SNP's BLUEFIELD approach uses the software solution SNP Rapid Empty Shell Creation (SNP RESC).



STEP 3: CONVERT

Convert the empty shell to S/4HANA, ensuring that all application functionality is converted to the latest release and removing the risk of problems caused by master and transaction data that cannot be converted.



STEP 4: MIGRATE

Selectively migrate your ECC data to the new S/4HANA target system using SNP Transformation Backbone. Selective migration means you can select the data, modules, organizational entities, and interfaces to include or exclude. You can scope your migration into a progressive series of actions over time or into a single go-live project.

SNP's BLUEFIELD approach will vastly accelerate and simplify your S/4HANA journey with software designed to automate transformations for maximum speed, accuracy, and efficiency. It is an approach that has been proven in many global enterprises, and one that will adapt to the needs of your enterprise as well.

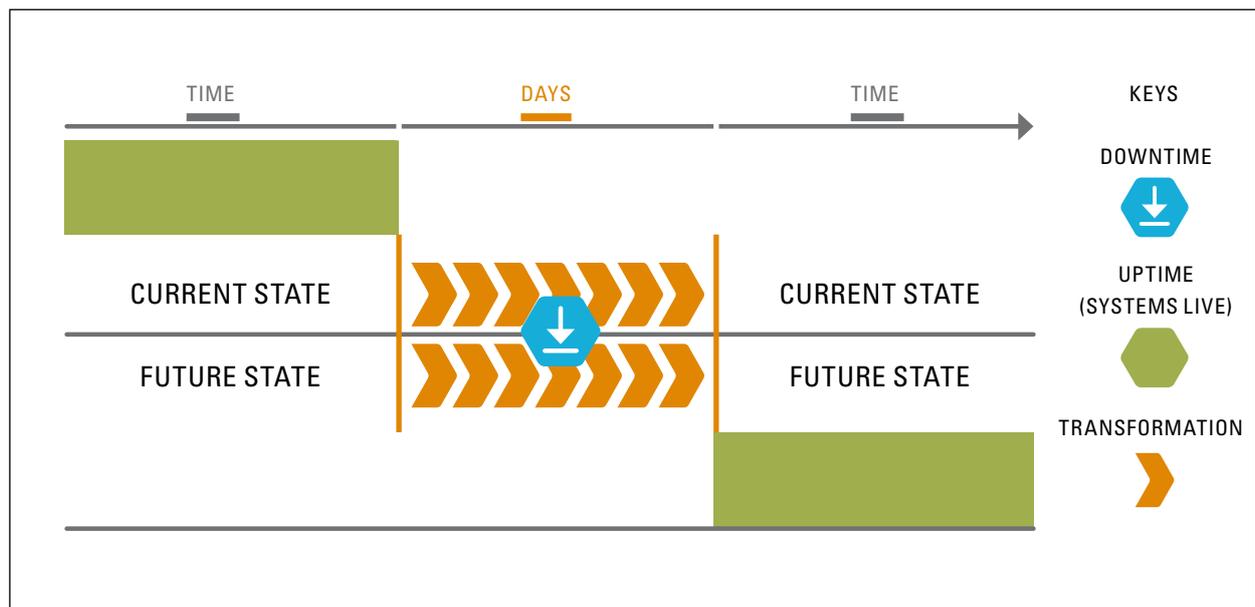
ENHANCING YOUR MIGRATION PROJECT WITH NEAR-ZERO DOWNTIME

In a single go-live project, the SNP Transformation Platform can upgrade, replatform, and modernize your SAP landscape with minimal business disruption with its Near-Zero Downtime approach. With SNP software, transformation processes can occur in parallel rather than sequentially between the current and future states. Near-Zero Downtime with SNP enables you to:

- Save up to 70% of the time, effort, and cost of your project compared with traditional methods
- Retire unsupported legacy hardware and software as you move to SAP S/4HANA
- Decouple the upgrade process from the data migration
- Automatically scan, identify, and document interfaces and customizations to guarantee that nothing is missed in the migration

HIGH SPEED DURING DOWNTIME

In this illustration of Near-Zero Downtime with SNP, the production system continues running while the data transfer, replication and transformation processes occur simultaneously. Near-Zero Downtime replicates the data changes every hour, instead of requiring a full snapshot while production systems are down. Since the primary data transfer and replication take place during uptime, only a small dataset is left to synchronize during downtime – which can be done at high speed.



Near-Zero Downtime ensures that your transformation project, such as S/4HANA migration, can be conducted with virtually no costly impact on business productivity.

About SNP

SNP helps organizations transform their business models and use new technologies. Its software and services make it easier to implement technical or commercial changes in global business applications.

CrystalBridge and SNP Transformation Backbone with SAP LT constitute a world-leading transformation software platform, enabling SNP customers to analyze, apply, and track changes in IT systems with automated processes. This significantly improves quality while making transformation projects faster and more cost-effective.

The SNP Group is headquartered in Heidelberg, Germany, and employs around 1,300 people worldwide. It serves multinational companies in all industries. More information is available at www.snpgroup.com.

For more on CrystalBridge, the command center for transformation projects, visit: www.snpgroup.com/crystalbridge.

For more on SNP's BLUEFIELD™ approach to SAP S/4HANA® migrations, visit: www.snpgroup.com/bluefield.

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