

Choose Blue:

SNP's BLUEFIELD™ APPROACH TO SAP S/4HANA IN 4 STEPS

When a major cereal manufacturer chose to move its data into the cloud, they were initially advised 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.

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 white paper, we'll answer those questions and provide you with more insights into a unique, secure, and software-powered approach to migrations called BLUEFIELD™.

A Mass-migration Event

The merits of SAP's next-generation ERP called 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: 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 their best way forward to 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.

“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

While the movement 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 to an entirely new system.
- Go **brownfield** and move your existing data, objects, and customizations to a new platform, relegating your move to S/4HANA and its advanced technology to a technical upgrade.

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 long timeframes 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 1 of your Go-live?

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

Step into the Command Center

Deep in the heart of your enterprise is a system and data landscape that powers your business, 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 threatened.

Every business restructuring – including mergers, acquisitions, and divestitures – carries the risk of disruption. At the same time your data is under attack from cyberwarfare and insider threats. Even necessary technology upgrades, including cloud migrations, can expose that valuable landscape to harm.

Your journey to S/4HANA can begin with a detailed, graphical view of your own landscape that is provided by CrystalBridge: a software “command center” purpose-built for mastering the toughest transformation challenges. With a single CrystalBridge scan, the details of your landscape will be at your fingertips.

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

How readily can you visualize your current-state technology and data landscape? Do you have complete documentation of that landscape? Or are you – at least partially – in the dark?

As you contemplate your journey to S/4HANA, think about your answers to these three questions:

- 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 knowledge 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 inter-relationships? Most enterprises can map the system modules in operation and the processes they’re executing. But capturing the relationships between them is often more challenging.
- Can you track master **data**, transactional data, and historical data, and resolve all of them 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 migration actions can be prioritized? Migration processes are time consuming and inherently filled with risk. Those exposures can be reduced by migrating data selectively, leaving behind what is not needed.

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

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. It is all possible with the SNP Transformation Platform, which includes the CrystalBridge command center and SNP Transformation Backbone, a powerful software product that automates transformation actions, securely accelerating tasks that would otherwise be performed manually.

How the BLUEFIELD™ Approach Works

Using its SNP Transformation Platform software and drawing upon experiences from over 7,000 successful transformation projects with many of the world’s greatest companies, SNP has developed its unique BLUEFIELD approach to SAP S/4HANA migrations. Here are the primary steps of a BLUEFIELD transformation project with SNP.

1. **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 these selections are staged for execution.
2. **Create an empty shell** of your target system’s Implementation Guide (IMG) and ABAP repository, *without* master and transactional data. In the BLUEFIELD approach, this is called “rapid empty shell creation.”

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

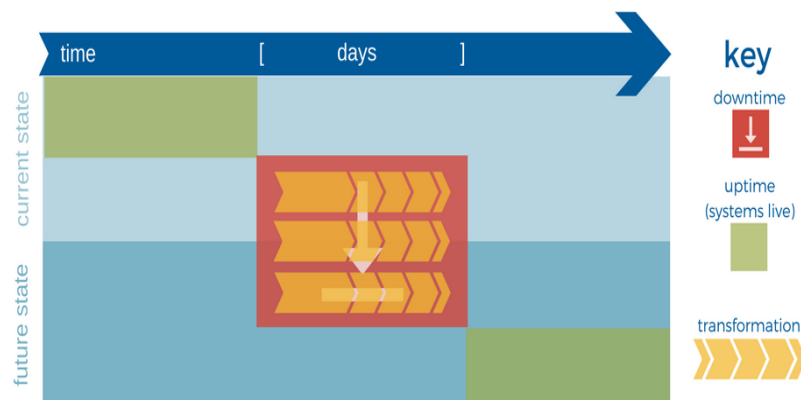
This BLUEFIELD approach will vastly accelerate and simplify your S/4HANA journey with software designed to automate transformations for maximum speed, accuracy, and efficiency. It's an approach that has been proven in many global enterprises, and one that will adapt to the needs of your enterprise as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

Migrating 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 Near Zero Downtime. With SNP software, transformation processes can occur in parallel rather than sequentially between the current and future states. SNP Near Zero Downtime will:

- Save up to 70% of the time, effort, and cost of your project, compared to 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, discover, and document interfaces and customizations so nothing is missed in the migration

Near Zero Downtime assures that your transformation project will have virtually no impact on business productivity.



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

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.

SNP CrystalBridge® and SNP Transformation Backbone® constitute a world-leading software suite for data transformation, 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.

- For more information, visit www.snpgroup.com.
- For more on CrystalBridge, visit: www.snpgroup.com/crystalbridge
- For more on SNP's BLUEFIELD™ approach to S/4HANA migrations, visit: <http://software.snpgroup.com/bluefield>

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