

Best Practices of SAP S4 HANA Migration



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SAP S/4HANA is the latest one and most successful SAP's ERP frameworks. By the right implementation it delivers outstanding results, performances, analytic intelligence, integration capabilities, and data processing improving the ROI. Regardless of whether businesses wish to start out from scratch involves fixing new, clean instances of S/4HANA which might be hosted on-premises or within the cloud. Or migration of an existing SAP business suite instance to S/4HANA offering speed to consolidating the SAP systems just in case there have been quite one SAP instances running for each business unit.

Migration to S/4HANA brings is very technical and needs quality, Far from just an upgrade, the move to S/4 features a significant impact on security and role design for end users - and any organization attempting to tackle HANA's security challenges must take a methodical approach to stay the business fully protected.

❑ **Get the sizing correct for your HANA landscape**

The most fundamental step is sizing the infrastructure of SAP HANA very carefully while creating a technical project plan. Oversizing could lead on to excess capacity and bloated hardware while under sizing can cause unexpected delays which will increase operational costs. Hence, correct sizing the scope by decreasing the initial capital investment also as operational cost becomes important to extend the ROI. The data leads to SAP are stored during a compressed manner. Correct sizing including memory sizing for static and dynamic data, disk sizing for persistence storage and CPU sizing for transactions, queries, and calculations.

❑ **Choose the right migration strategy**

There are varieties of platforms and methodologies available which can be selected on the basis of business needs, resources, and budget. Businesses may prefer to run SAP HANA on-premises or within the cloud. The hardware must be enterprise-grade. IT platform chosen must be scalable, flexible, responsive, and secure along side the power to mitigate risk. Organizations can prefer to use the Database Migration Option (DMO) in SAP Software Update Manager (SUM) which mixes the system update and a technical migration.

❑ Set high implementation standards

Maintain distance from alternate routes at this phase and stick with the high and strategic standard. Being efficient altogether the elemental activities from getting to migration is that the thanks to the successful migration. Migration team must remember of the technical migration guidelines. SAP gives the foremost recent fixes and solutions for normal issues with each version; during this way, it's smarter to use the foremost recent one. Remember to require regular backups and avoid unnecessary risks to ensure smooth and successful migration.

❑ POC

It is essential to conduct a symbol of concept during a sandbox environment to validate and verify the migration process to SAP HANA. You perform this by copying your production system to construct a SAP sandbox environment. You conduct the technical migration on this sandbox environment first. This is an important step in the process. While it's going to end in some additional expenses to duplicate the environment, the advantages include:

- A reasonable estimate of how long the method will take
- Identification of potential problems and therefore the ability to correct before implementation
- Full utilization of SAP HANA capabilities
- Facilitation of higher deciding and improvement of overall project yield
- Increased validation and testing time during a non-critical environment



✓ INTEGRATING SAP HANA WITH YOUR DATA CENTER:

SAP began offering SAP HANA as an appliance with integrate software components, like real-time replication services, the SAP HANA database, data and life cycle management, data services, and the SAP HANA studio. These were optimized on hardware provided by SAP hardware partners. You enjoy quick implementation from the preinstalled software and support provided by SAP.

Following this proven approach will cause a smoother implementation and ease the progress of your journey:

- 1. Readiness assessment:** SAP provides variety of tools to support the various stages of your migration strategy, but an easy start line is that the Business Scenario Recommendation (BSR) tool. This free resource enables you to create the business case - understanding what processes you're using at what capacity, so you'll determine where S/4HANA can have the foremost impact.
- 2. Planning :** the Database Migration Option (DMO) is a component of the Software Update Manager and allows you to plan your migration from ECC6, also as migrating your data from Oracle or Microsoft SQL to the SAP HANA database. this is often a key a part of the migration if you would like to completely exploit the performance benefits of its in-memory technology.

3. **Design** : Here, you're mapping out the key technical requirements of your migrations. So consider the following: what proportion storage does one need today, tomorrow and the way much data are you able to stand to archive. Upgrading and migrating to the general public cloud could also be the simplest choice for scalability - and data archiving.
4. **Upgrade**: We are nearly able to see the impact. But before we get there, you've got to check and internal control your implementation. make sure that any pre-production assumptions map to production environments at scale to mitigate risk.
5. **Support**: As soon because the implementation is completed, you'll advance to the on-going management of your S/4HANA environment. A key consideration is whether or not your organization would enjoy an application managed services model to support your platform, and your people.



There are often tons of risks when migrating to a replacement platform like SAP S/4HANA. How does one ensure you're creating a better approach to managing the info up front?

➤ **Ensure data is a component of the timeline:**

Whatever the defined timeline is, data quality might be one among the items that throw it off the rails. Having a well-defined process and dedicated organizational team to manage process and data components drives the speed and success with which system migration can happen.

➤ **Tools available:**

If the organization features a governance program or SAP data service already in situ , use it as a bridge within the process to accelerate the movement of master data from the old system into the new operating environment.

➤ **Post-migration Plan:**

While it's important to define what "good" seems like now, if a corporation doesn't govern good data, it'll be right back where it started in 18 or 24 months. the perfect scenario may be a combination of knowledge transformation and data governance.

SAP HANA is that the highly acclaimed technology innovation in recent years and nearly all SAP products introduced after SAP HANA have the potential to integrate with this platform. faraway from being a standard database, SAP HANA

- **Accelerates business processes**
 - **Delivers greater business intelligence via advanced capabilities that simplify the IT environment**
 - **Deploys its in-memory data platform on-site or within the cloud**
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