

# Adapt your SAP authorisation concept to S/4HANA

PwC has developed a substantiated approach for successful SAP authorisation projects

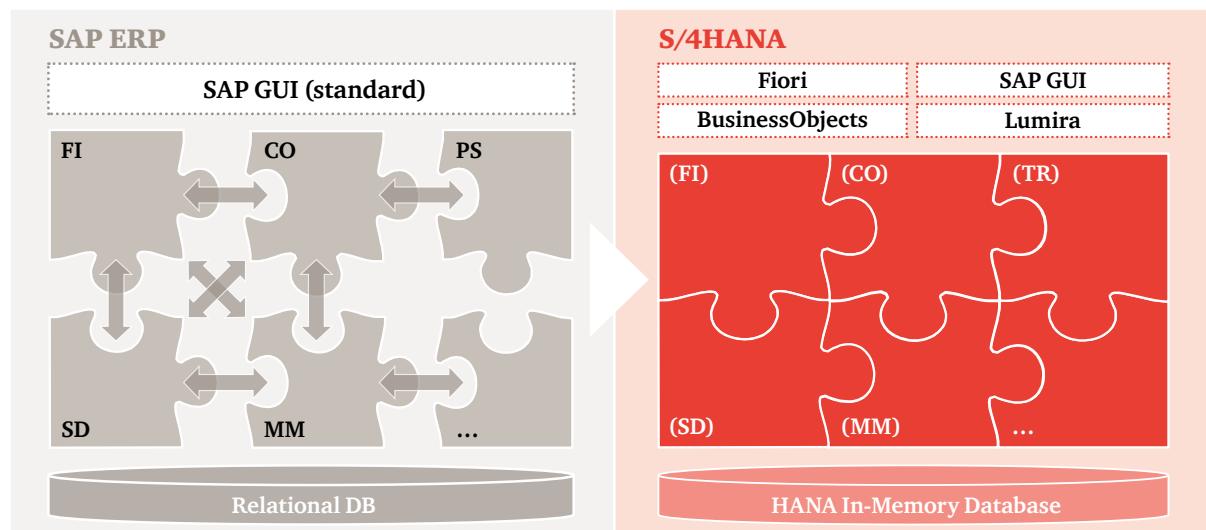
S/4HANA is SAP's next-generation business suite that is built on SAP's proprietary operational database system and in-memory computing platform called SAP HANA. S/4HANA is intended to be easier to use and administer while helping to solve more complex problems and handle vastly larger amounts of data than its predecessors. S/4HANA is available in on-premises, cloud and hybrid deployment models.

With the release of S/4HANA SAP consolidates the integration and harmonisation of functionalities and processes and further reduces barriers between SAP modules facilitating system integration. New technologies, such as Fiori, enhance the user interface for both desktop and mobile devices. The in-memory HANA database lets you collect, store, and process

high volumes of operational and transactional data in real time.

Implementation of S/4HANA will affect your current environment, and not just technologywise because processes are also subject to change. Both – the new technology and the change in processes – will result in new requirements for your current authorisation concept. Whereas parts of your existing authorisation concept can be easily transformed and implemented 1:1 in the SAP S/4 HANA system, other parts need to be changed and adapted to meet the new requirements.

Even though SAP authorisations are only one part of a SAP system implementation, it is vital not to leave this part out of consideration. Compliance with both internal and external regulations needs to be ensured. Besides regulatory requirements, an accurate, functional authorisation concept can support a positive user experience with the new system.

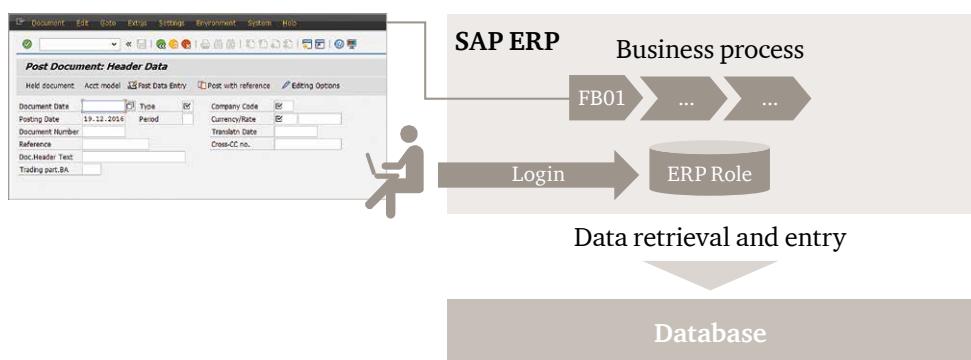


# What changes are required regarding SAP authorisations with S/4HANA?

Looking at the classical SAP ERP solution, your SAP authorisation team had to take care that access management was defined and executed properly within one system by one technology (ABAP/PFCG with classical authorisation objects).

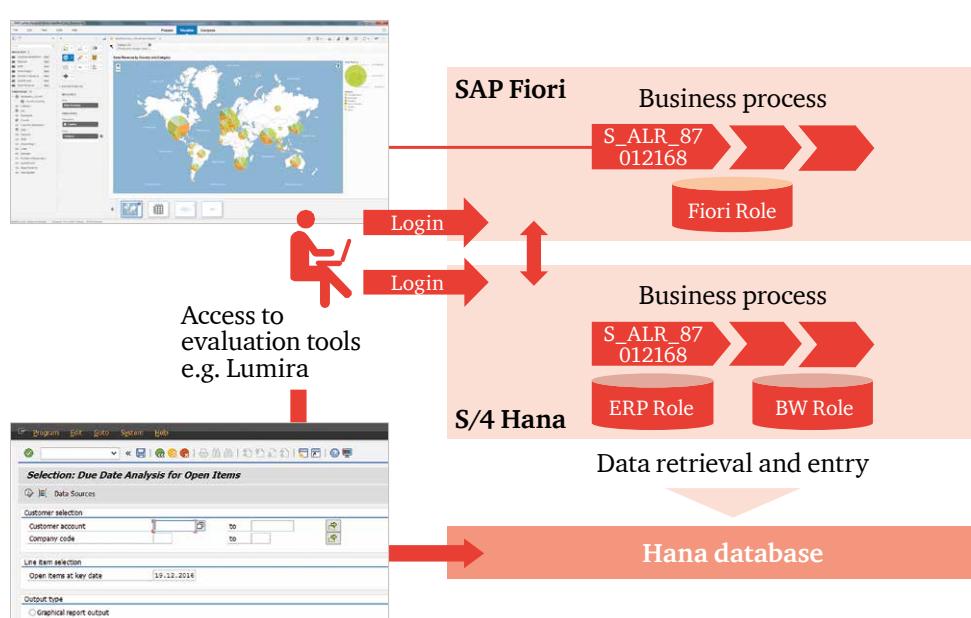
## Architecture today

An employee requires a user account in SAP ERP and the relevant authorisations for the transactions and organisational values (company code, accounting area, profit centres, etc.)



## Architecture with S/4 HANA

An employee requires a user account in SAP Fiori, S/4 HANA and, if using analysis tools, SAP HANA, as well as the relevant authorisations for the Fiori tiles, transactions and organisational values (company code, accounting area, profit centres, etc.)

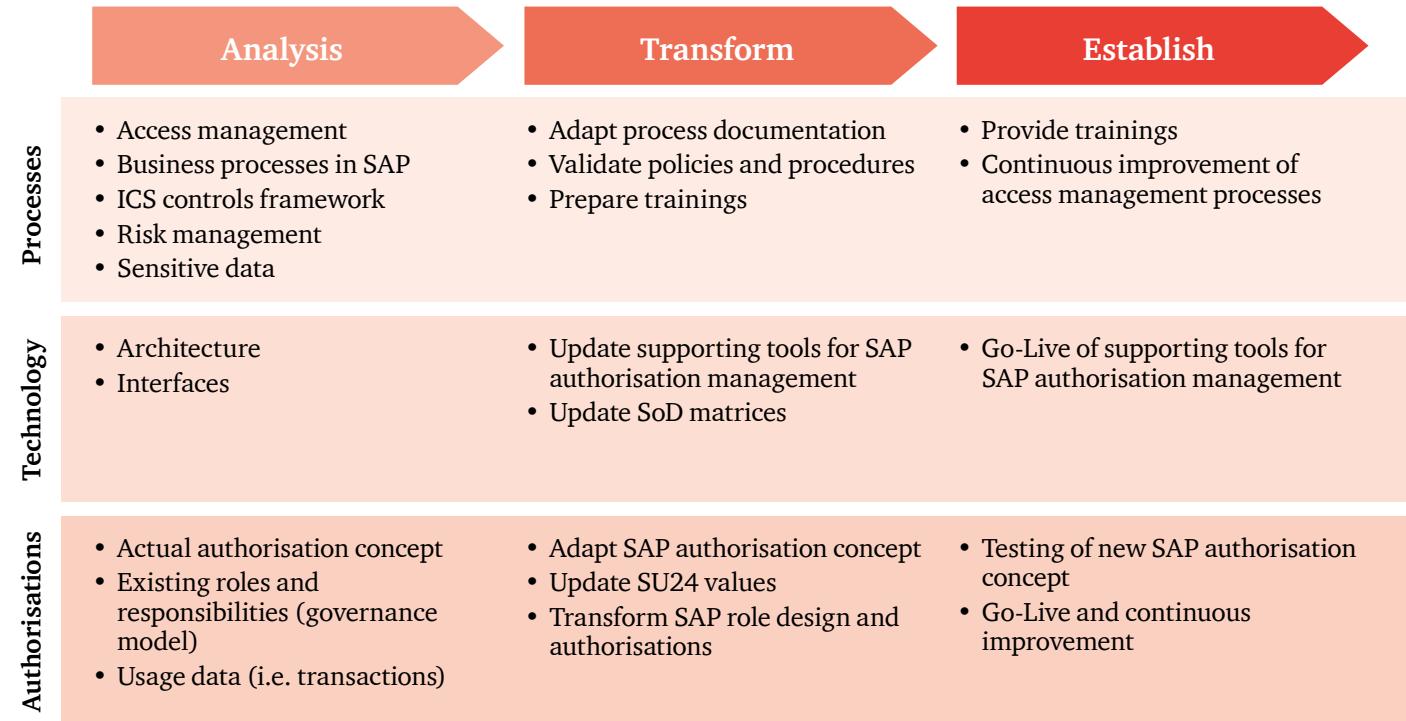


New technology has been added with S/4HANA. Depending on the technical architecture, your SAP authorisation team has to manage access within the S/4HANA system, Fiori, and on the HANA database. Additionally, S/4HANA provides BW capabilities that may make authorisation management even more complex. While previously using only one technology, S/4HANA now requires you to manage at least three technologies on different layers (application and database layer). The main changes with S/4HANA regarding SAP authorisation management are:

- New technologies are used where access needs to be managed properly, such as S/4HANA, Fiori, and the HANA database
- Business processes may change as SAP transactions become obsolete and/or are substituted by a new SAP transaction, Webdynpro, or Fiori app
- Lots of transactions have been replaced by Fiori apps, or by an alternative, but not in all cases
- The authorisation concept needs to be adapted to the new environment
- Processes to manage SAP authorisations and users need to be validated and streamlined

# Our approach

PwC has developed a substantiated approach for successful SAP authorisation projects taking into consideration IT requirements and business needs. An overview of our proven methodology is reflected in the graphic.



Throughout the various phases of the project, we will look at the relevant layers, such as processes, technology and authorisations. With our approach we will ensure your existing authorisation concept is not only transformed to just meet the technical requirements of the new release, but also make sure the system is optimised for future daily operation.

# What you can expect

PwC has a proven track record in Switzerland and globally in implementing SAP authorisation models in the SAP S/4HANA environment. Our experts have the required skill set, tools, techniques and experience to discuss your challenges with you and to actively support you throughout the whole project. By engaging PwC in your project, you will get access to:

- PwC SAP authorisation methodology and accelerators to facilitate the conversion of the SAP authorisation model to SAP S/4HANA
- SAP authorisation default values for new transactions, WebDynpro, and services
- Up-to-date segregation of duties (SOD) rule sets to identify and manage risks throughout your SAP system landscape
- Our experience and access to experts within Switzerland and globally

Do not hesitate to reach out to our experts for support, for a discussion or advice.

## Contacts

PwC  
Birchstrasse 160  
Postfach, 8050 Zürich



**Dominik Götz**  
Senior Manager  
[dominik.goetz@ch.pwc.com](mailto:dominik.goetz@ch.pwc.com)  
+41 58 792 28 93  
+41 79 203 21 75



**Erik Trouillet**  
Manager  
[erik.trouillet@ch.pwc.com](mailto:erik.trouillet@ch.pwc.com)  
+41 58 792 23 64  
+41 79 848 86 80