



The screenshot shows a table of SAP Best Practices packages. A specific row, 'BP_S4BL_S4HANAX_DEV1', is highlighted with a red border. The columns include package names, descriptions, and activation status.

	SAP Best Practices S/4HANA Content Package AU V1.X	SAP Best Practices S/4HANA Content Package BE V1.X	PFAENNENDOERF 08.08.2016
BP_S4BL_S4HANAX_BEV1	SAP Best Practices S/4HANA Content Package BR V1.X	PFAENNENDOERF 08.08.2016	
BP_S4BL_S4HANAX_BRV1	SAP Best Practices S/4HANA Content Package CA V1.X	PFAENNENDOERF 08.08.2016	
BP_S4BL_S4HANAX_CAV1	SAP Best Practices S/4HANA Content Package CH V1.X	PFAENNENDOERF 08.08.2016	
BP_S4BL_S4HANAX_CHV1	SAP Best Practices S/4HANA Content Package CN V1.X	PFAENNENDOERF 08.08.2016	
BP_S4BL_S4HANAX_CWV1	SAP Best Practices S/4HANA Content Package DE V1.X	PFAENNENDOERF 08.08.2016	
BP_S4BL_S4HANAX_ESV1	SAP Best Practices S/4HANA Content Package ES V1.X	BRASHERV 10.10.2016	
BP_S4BL_S4HANAX_DEV1	SAP Best Practices S/4HANA Content Package FR V3.X	PFAENNENDOERF 08.08.2016	
BP_S4BL_S4HANAX_RV1			

Implementation Assistant

Implementation Assistant - Solution View (Development System)

Solution/Scope Items

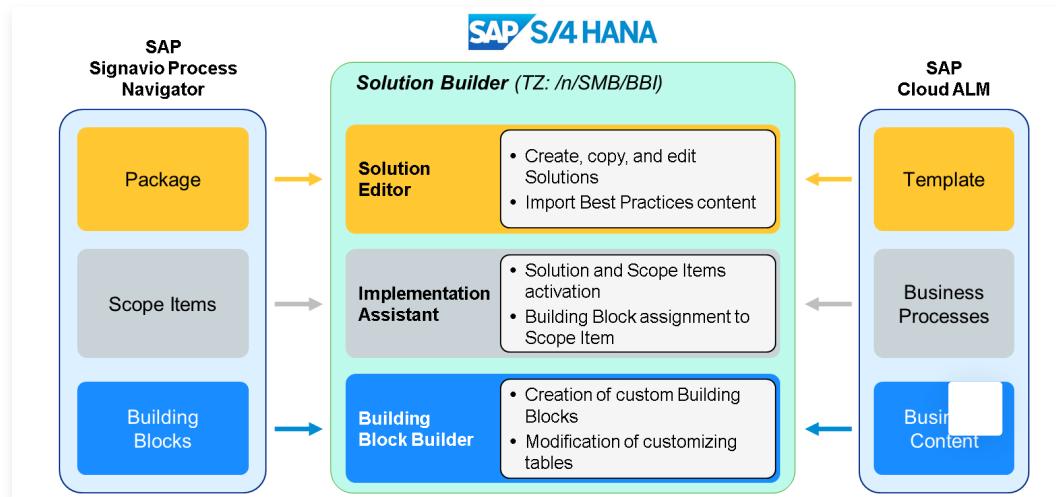
Ac...	F...	M...	C...	O...	S...	Description
Z_CUST_DE						Sales Processing using Third-Party with Shipping Notification
DE_BU3						Sell from Stock
DE_BD9						Credit Management
DE_BD6						Free of Charge Delivery
DE_BDA						Customer Returns
DE_BDD						

Building Block Library

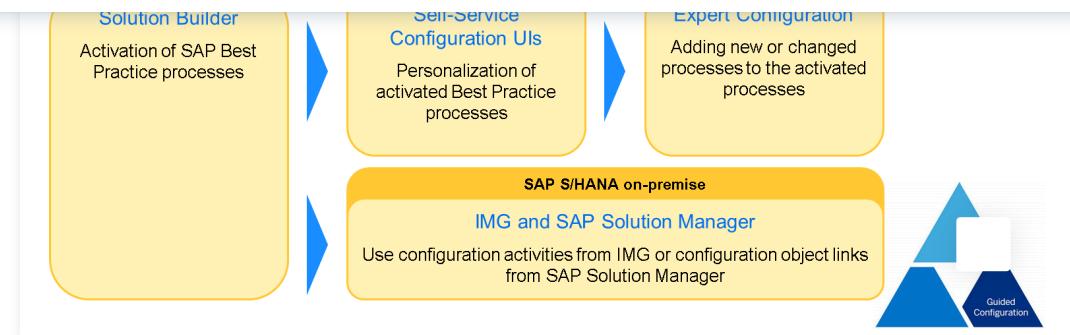
A...	...	Description
Z_CUST_DE	1IM (XX)	Human Capital M
	1IM (XX)_CE	Human Capital M
	1IN (XX)	Human Capital M
	1IO (DE)	Human Capital M
	1LB (XX)	SAP S/4HANA in

From the Solution Builder, all available Solution Packages can be searched for by country, language, and version. Once found using the Implementation assistant all project / customer scope, Best Practice can be activated.

The task is performed by the SAP Basis consultant when doing an on-premise implementation, and is a service performed by SAP when doing a Cloud or Private Cloud deployment.



The above diagram displays a comparison of the different Best Practices terminologies between the SAP Signavio Process Navigator, the Solution Builder, and SAP Cloud ALM using the example of S/4HANA.



Configuration in the public cloud solution is performed via Self-Service Configuration UI (SSCUI) and the Configuration system.

SAP Central Business Configuration is a tool designed to configure business processes from one central place. It facilitates leveraging Solution Builder's Best Practice content. Leading to increased business process flexibility and reduced configuration efforts.

Configuration for on-premise solutions as well as private cloud is performed via the traditional Implementation Guide (IMG) in Transaction SPRO.

The screenshot displays three main components of SAP Project Experience:

- Project Management Task Timeline**: Shows the project type as Implementation, status as Active, and phase as Product-Specific Configuration. It includes milestones like Scope, Organizational Structure, Product-Specific Configuration, and Production System Settings.
- Org Structure**: A hierarchical tree view of the organization structure under Company Code 00 Company Code. It shows levels for Plant, Create Plant, Sales Organization, and Create Sales Organization.
- Configuration Activities**: A list of configuration activities grouped by Content Hierarchy. The hierarchy includes:
 - Configure Organizational Entities
 - Configure Sales and Service
 - Configure Procurement
 - Configure R&D / Engineering
 - Configure Demand and Supply
 - Configure Manufacturing

SAP Central Business Configuration is designed to provide guidance for your implementation project by controlling the completed activities sequence. In the **Project Experience**, you can manage your team members, complete activities to set up and configure your systems, and view the project status. Activities are grouped into phases, and each phase ends with a milestone.



The screenshot shows the SAP Central Business Configuration interface. On the left, there's a summary of configuration activities: Total 82 Activities, In Progress 1 Activities, Completed 1 Activities. An 'Open' button is highlighted with a yellow box and arrow. The main area shows a 'List of Configuration Activities' with a 'Content Hierarchy' tree. One node, 'Configure Financial Operations' under 'Define Difference Reasons for Payment Differences', is selected and highlighted with a yellow box and arrow. A 'Go to Activity' button is also highlighted with a yellow box and arrow. Below this, there's a table for 'Edit Content For - undefined' with columns for Company Code, Reason Code, Short Text, Long Text, Charge Off Diff, Disputed, and Do Not Copy Text. The table contains three rows of data.

The configuration activities in SAP Central Business Configuration are designed to support customers in adapting the preconfigured SAP Best Practices content to their requirements. The available configuration activities are based on the active scope and country selections. Configuration activities may vary by country because not all business scenarios (scope items) are available in all countries. Configuration activities can be mandatory, recommended, or optional.

The Project Management tasks from SAP Central Business Configuration can also be transferred to SAP Cloud ALM for Implementation. Then the status can be tracked centrally in SAP Cloud ALM for Implementation together with all project tasks, requirements, user stories, testing activities and defects.

- Start with Activation of Best Practices
- Perform only Delta Configuration
- Configuration is done using the IMG for both On-Premise and Private Cloud Edition

The screenshot shows the SAP Customizing Implementation Guide (IMG) structure. The 'Display IMG' screen shows a tree view of the IMG structure. Under 'Structure', it branches into 'SAP Customizing Implementation Guide', 'Activate Business Functions', 'SAP NetWeaver', and 'General Settings'. 'General Settings' further branches into 'Set Countries', which then lists several configuration steps: Define Countries in mySAP Systems, Specify Countries in mySAP Systems (CRM, SRM, SCM,...), Set Country-Specific Checks, Insert Regions, Define Country Codes, Country Codes - Telephone: Define Exceptions, Country Codes - Telex: Define Exceptions, and Define Mobile Telephone Properties.

All configuration for on-premise and private cloud is performed via the IMG in transaction SPRO. By starting your build with the activated Best Practices, consultants only need to perform delta configuration to configure the additional functions or features requested by the business during the Explore phase workshops.



- An agile methodology which drives customer success
- One guided, modular, and agile methodology supporting all SAP S/4HANA and SAP S/4HANA Cloud scenarios
 - Guidance for initial deployment and continuous business innovation
 - Harmonized implementation approach for cloud on-premise, and hybrid deployments
 - Enables co-innovation with customers and is accessible for partners
 - Successor of the ASAP and SAP Launch methodology

SAP Activate



The third component/pillar of the SAP Activate framework is the SAP Activate Methodology.

The SAP Activate Methodology provides one simple, modular, and agile methodology, and is the successor of ASAP and SAP Launch methodologies.

SAP Activate Methodology provides full support for initial deployment and continuous business innovation with a harmonized implementation approach for cloud, on-premise, and hybrid deployments.

SAP Activate Methodology is designed to support all SAP solutions.

The methodology also enables co-innovation with customers, and is accessible for partners.

The methodology uses, as default, agile project delivery principles. It builds on the ready-to-run business processes and the SAP Best Practices documentation. It uses the configuration tools to adjust the baseline solution to customer needs based on the results of the fit-standard workshops, which is conducted in the Explore phase.

The SAP Activate Methodology provides project teams with structured approaches to implement the solution and the solution and product specific content for implementation or transition to SAP S/4HANA and other SAP products.

The SAP ecosystem is familiar with the ASAP methodology, there are some differences between SAP Activate and ASAP that you should be aware of for an on-premise implementation:

In SAP Activate Methodology, we are leveraging the SAP Best Practices as a default way to build the baseline system for fit-to-standard.

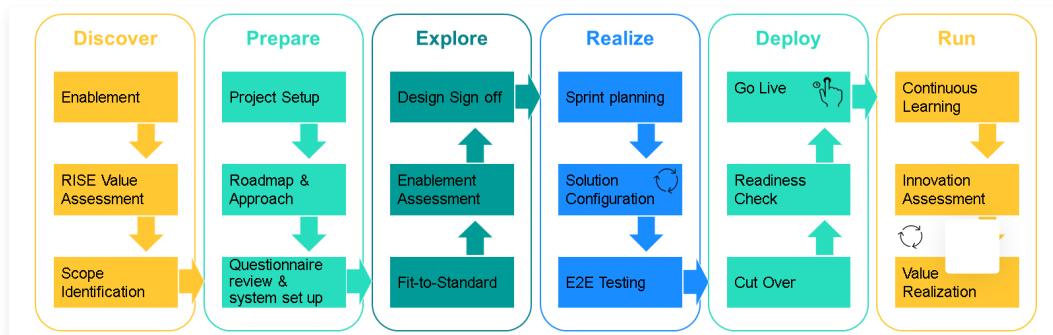
There are four core project phases in SAP Activate that we do not have separate phases for the final preparation and go-live support, but instead



The blueprint activities that were represented in ASAP, have been replaced with fit-to-standard analysis workshops. The project team uses the SAP Best Practices based system to validate the customer's requirement against a working baseline solution. Then, the team captures the delta requirements and/or user stories in the backlog. This information is then used for implementation of requirements during the Realize phase.

SAP Activate Methodology supports not only the on-premise deployment, but also cloud deployment, with one consistent approach. SAP Activate brings together the approach for on-premise and cloud. It harmonizes the approach across these different deployment models which also helps to support hybrid deployment projects.

SAP Activate supports not only SAP S/4HANA, but also other solutions like SAP SuccessFactors, SAP Sales Cloud, SAP Service Cloud and SAP Ariba. SAP offers content for these solutions in the SAP Activate Methodology, which can be found in the SAP Activate Roadmap Viewer.



The SAP Activate Methodology six phase descriptions will vary slightly for each implementation scenario (for example, SAP Activate Methodology for SAP Cloud for Sustainable Enterprises) but will have the same phase name. In the example in the figure SAP Activate Methodology for RISE with SAP S/4HANA Cloud, private edition will have the following high-level phase descriptions:

Discover phase

In the Discover phase customer's core team is enabled to understand breadth, depth, and functionality of RISE with SAP S/4HANA Cloud, private edition. The team would learn the benefits and value the solution can bring to customers' business.



starts answering the Business-Driven Configuration questionnaire. Towards the end of this phase the team will be setting up the initial system for fit-to-standard workshops.

Note

In today's fast-paced and ever-changing business environment, disruption across global supply chains, customer preferences, and the workforce has become a common occurrence.

Businesses must quickly adapt to these changing requirements in order to remain relevant and thrive. To succeed in the digital age, organizations need to embrace new capabilities. This includes accelerating innovation, optimizing and automating processes, and fostering agility in order to gain a competitive edge. Companies must have a flexible infrastructure that allows them to quickly adapt their business models as needed. This means being able to rapidly adjust key applications to meet changing market demands and customer needs.

Clean core is a mind set and philosophy supported with governance and guidelines that lays a foundation for flexible future proof solution.

It describes a modern approach to extend functionality in a stable, upgrade safe and transparent manner. Along with separate platform to innovate for additional differentiation. A clean core allows faster software deployment as well as easier adoption of both. SAP innovations and the regulatory changes to software. It provides new ways to address business needs while avoiding excess technical debt, thus preparing organizations to maximize strategic benefits and limit cost of transformation.

You'll learn more about the clean core and how it is embedded into the implementation methodology in Unit 3 Lesson 1.

Explore phase

In this Explore phase the project team will conduct fit-to-standard workshops, verify, and confirm the to-be business processes with process models. Meanwhile master data and organizational requirements get



Project management joint with workstreams will plan sprints. Project team focuses on implementing defined solution using incremental build iterations. It will configure, extend, integrate, test, confirm, and document the entire end-to-end solution and prepare for legacy data conversion. The project team actively works with business representatives to ensure a good fit of the built solution to the requirements from the backlog.

The team executes build cycles called 'Sprints' to build and test the functionality. The team will conduct walkthroughs with the business users within each sprint to provide frequent checkpoints that the build is meeting the requirements. And will go through multiple iterations to develop functionality that is then ready to be released to production. For each release, the team conducts full end-to-end testing. The project team releases results of multiple iterations to the business users to accelerate time to value and provide early access to finalized functionality. Each sprint release is thoroughly tested in the end-to-end integration test and the user acceptance test.

The Realize phase is completed with the Realize-to-Deploy Q-Gate

Deploy phase

In the Deploy phase, the team makes sure that the business is ready to perform the cutover activities. The complexity of these activities will depend on various factors including the number of users that are impacted by the solution and the business scope of the deployment. Teams may need to conduct multiple cutover simulations as part of the preparation for go-live. Once the solution is live, the project team provides a defined period of post go-live support (sometimes called the hyper-care period).

~~The project is then formally closed and the solution is now in a separate~~



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Describing the Methodology Structure



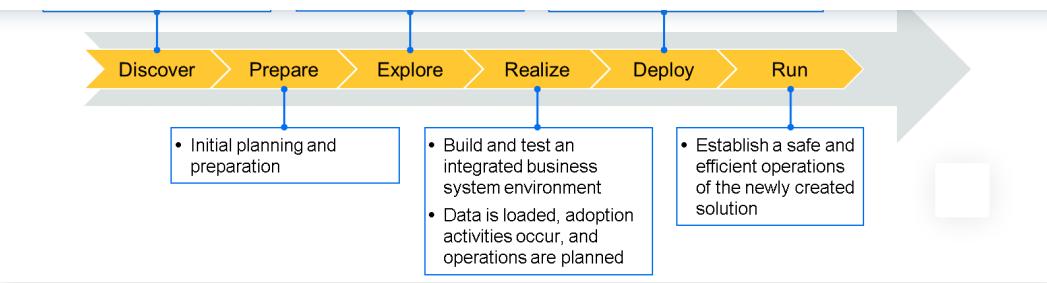
Objective

After completing this lesson, you will be able to illustrate the SAP Activate phases and SAP Activate workstreams.

Methodology Structure

Methodology Breakdown





The figure, SAP Activate Phases, outlines the phases of SAP Activate Methodology.

The core of the project delivery happens between the Prepare and the Deploy phases. These are referred to as the four core phases.

Discover and Run are additional phases that are described in more detail later.

In the **Prepare** phase, we define the scope of work, project governance, prepare the sandbox / starters systems, start the project, identify and define the resources, define the roles and responsibilities for the project team, and detail the management plans for running the project among other activities.

In the **Explore** phase, we run the fit-to-standard workshops using the SAP Best Practice content and demonstrate standard processes using the sandbox or starter systems. The objective of the Explore phase is to identify the fit of the Best Practices-based solution to the business, capture delta configuration requirements, and identify gaps and configuration values. All these are captured by the project team in the product backlog.

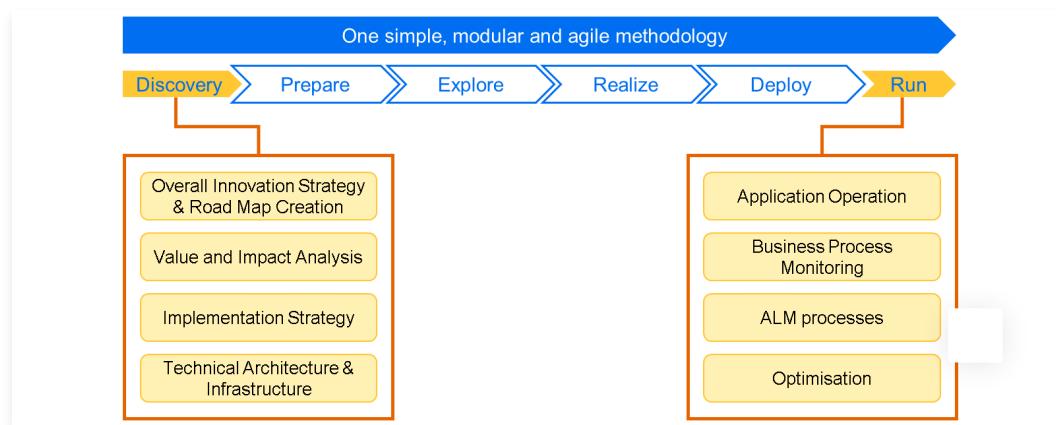
During the **Realize** phase, the project team adopts an agile approach to iteratively and incrementally build the functionality from the backlog. This build follows the prioritization given by the product owner (for example, the business users) that continue to be involved with the project team during the sprints. During the build, the team adds the configuration and development on top of the Best Practices content (Deltas). Additionally, the team performs unit and (at times) string testing during the sprints. In the Realize phase, the team also works on the integration of the overall solution to meet customer needs.

The Realize phase covers all the build and test activities required to prepare a release of functionality into production. This includes a full



solution. The team also performs sustainment and hypercare activities in the Deploy phase once the system goes live.

Once the customer has switched over into the new environment, the project team helps the customer's IT and Business departments to adopt and use the functionality. The team stays on-site for a predetermined period of time, which is usually defined in the contract or agreed as part of the plan to transition to operations.



The figure, Additional Phases, shows two additional phases of SAP Activate.

The **Discover** phase is a non-committal phase where customers can discover and research all offerings available within the SAP portfolio, and determine which innovations are most applicable and suitable for their organization. SAP provides several discovery resources to existing and prospective customers, ranging from white papers and presentations, to trial systems and games.

Discover phase deliverables include:

Overall Innovation Strategy and Roadmap Creation:

In the first deliverable, customers create an overall company strategy for their digital transformation. This may include SAP S/4HANA as the digital core, but contains a broader perspective. Key topics like Internet of things, Big Data, Smart Data, Omni-channel, or Business Networks can also be captured in the strategy.

Value and Impact Analysis:

Customers should become more familiar with the value of other SAP products in general (that is, the new and simplified functionality in e.g. SAP S/4HANA, the new User Interface based on SAP Fiori, agile customer



implementation strategy for any SAP Product implementation will be created.

In case of system conversion, the conversion readiness of the existing SAP ERP system will also be checked.

A learning needs analysis for the project team is important as this can impact other activities in the program. E.g. the completion of learning should be finalized prior to participating in project workshops.

Technical Architecture and Infrastructure:

The Technical Architecture and Infrastructure requirements should be clarified to support the innovation strategy and the proposed implementation.

The Run phase

Run is referred to as a phase in Activate but has a methodology of its own. Run is effectively the support or management of the productive solution post go-live.

SAP has several standards for running a solution optimally, which range from incident and change management, system and application monitoring, to upgrade management. There are 16 standards in total.

There are also different models that can be applied when running or supporting SAP solutions, some which are the setting up a Customer Center of Expertise (CCoE) or run SAP like a factory or premium engagement. Each of these are models and approaches related to the maintaining and supporting of the SAP solution once live, and tailored to customer size and needs. Additional information can be found on the SAP support portal.

<https://support.sap.com>

Workstream Description



- Cover the validation or scope, identification or detailed business process requirements, fit-to-standard analysis, and functional design of the solution. Also configuration, setup, and unit testing of the system (without custom development) to fulfill the customer requirements per solution design. Items that can be configured include but not limited to: forms, workflows, user exits permission / security, screen layout, reports, master data setup, notifications, and so on. And finally, this workstream covers that demonstration of the configured / developed solution to the customer project team after each iteration cycle for customer acceptance and identification of adjustments needed for the next iteration. Note: This workstream includes RICEFW deliverables and data volume management content.

Testing

- Covers test strategy, planning, test case development, and execution of integration test, performance test, system test, regression testing, user acceptance tests.

Across the following three diagrams, we detail the SAP Activate Methodology workstreams and their related descriptions. Those familiar with ASAP and SAP Launch should review the workstream descriptions as they have changed significantly from the previous roadmaps.

The workstreams are optimized and aligned with various implementation scenarios. They are also adjusted based on feedback from initial projects that used SAP Activate Methodology content.

The first workstream is Project Management, which covers all the aspects of setting up the project, running it, and delivering on the project objectives. The Project Management workstream is structured around the fundamentals of agile project delivery, and is aligned with Project Management Institute standard, the PM Body of Knowledge (PMBOK).

There are a set of Application workstreams that deal with different aspects of the application itself. These include design, configuration, testing, and integration. These workstreams cover the core of the work done on the solution to adjust it to fit customer needs. This includes the design and configuration activities, such as running the fit-to-standard workshops or configuring the system. It also covers the development of extensions, testing including integration, performance, system tests, regression testing, as well as User Acceptance Testing (UAT).



design discussion, as well as key user and admin training to prepare the customer for test case development and test execution. The task will lead to a full project team enablement.

Integration

- Covers the design and realization of integrations that go beyond standard integration and therefore require a customer specific integration. Note: The focus is on custom integration beyond the RICEFWs covered in design, configuration, as well as integration.

Solution Adoption

- Covers the discovery, planning and execution of moving legacy data to the new system and archiving of legacy data. This workstream also covers cutover planning, preparation, management, and execution of activities to cutover the system into production. It also includes the hypercare support period shortly after cutover.

The Solution Adoption workstream deals with what was previously covered in the Organizational Change Management (OCM) stream and training stream in ASAP. The adoption activities enable the organization and end users to use the solution in their daily work. The deliverables and tasks guide the project team in ensuring a smooth transition to operations, post go-live support, and change management.

The Analytics workstream covers the analytics aspects of an SAP implementation project.

Extensibility

- Covers the design and development of system functionality that cannot be provided by the standard product and needs to be custom developed. Note: The focus is on solution extensibility beyond the RICEFW covered in design and configuration, as well as integration.

Data Management

- Covers the discovery, planning, and execution of moving legacy data to the new system and archiving of legacy data. This workstream also covers cutover planning, preparation, management, and execution of activities to cutover the system into production. It also includes the hypercare support period shortly after cutover.

Technical Architecture and Infrastructure

- Covers the solution landscape, deployment concept, system architecture, technical system design, environment (development, testing, production, failover) setup, technology operations standards, and processes.

Operations and Support

- Covers the establishment and setting up of the helpdesk process, incident management process, post go-live change management management process, and user related operations standards and process.

Extensibility

The Extensibility workstream addresses all custom modifications to the solution from specification to custom development. Developers / Programmers fall within, and deliver custom programming activities in this workstream.

Data Management

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Knowledge quiz

It's time to put what you've learned to the test, get 8 right to pass this unit.

1. Which of the following are part of SAP's Security Strategy?

There are two correct answers.



Comprehensive Contracts



Database encryption



Ethical Hacking



Independent Audits

Correct

Correct. Comprehensive Contracts and independent audits are part of SAP's security strategy.

2. What milestones are part of the project experience in the central configuration system?

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Design

Build

Configuration

 Correct

Correct. Scope and configuration are part of the project experience in the central configuration system.

3. Side by Side extensibility enables loosely coupled development.

Choose the correct answer.

True

False

 Correct

Correct. Side by side extensibility enables loosely coupled development.

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Business Technology Platform

Central Configuration System

SAP Cloud Appliance Library

SAP Data Center

 **Correct**

Correct. Preconfigured system templates can be deployed on SAP Cloud Appliance Library.

5. S/4HANA Cloud includes traditional flexibility and full scope.

Choose the correct answer.

True

False

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6. Which system is used to configure SAP S/4HANA Cloud?

Choose the correct answer.

Business Technology Platform (BTP)

Central Configuration System

SAP S/4HANA Starter System

IMG (Implementation Guide)

 **Correct**

Correct. Central configuration system is used to configure SAP S/4HANA Cloud.

7. A scope item is a business process.

Choose the correct answer.

True

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👍 Correct

Correct. A scope item is a business process.

8. Select the right statement.

Choose the correct answer.

- Selective Data Transition path works only with new implementation scenarios.
- Selective Data Transition path works only with system conversion transition scenarios.
- Selective Data Transition path works with both, new implementation and system conversion transition scenarios.

👍 Correct

Correct. Selective Data Transition path works with both, new implementation and system conversion transition scenarios.

9. What are the primary steps of system conversion?

There are two correct answers.

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Data Migration

Software Update

Lift and Shift

 Correct

Correct. Database migration and software update are the primary steps of system conversion.

10. What partner types does SAP deliver RISE with SAP services with?

There are two correct answers.

Services Partner Community

Infrastructure Partners

Implementation Partners

Hyperscaler Partners

 Correct

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Describing Workstreams in Cloud Implementation



Objective

After completing this lesson, you will be able to describe the different workstreams in a cloud implementation scenario.

Description of the Workstreams in Cloud Implementations

In this lesson, we will be addressing some of the specifics of different workstreams in a cloud implementation scenario.

Note that RISE implementation initiatives, even if done in a cloud environment will have many similarities with on-premise implementations, so they will be covered here.

Before we proceed, in the SAP Activate Roadmap Viewer, you will find roadmaps for specific solutions like SAP SuccessFactors, but one roadmap combines the implementation activities for different products.



This roadmap is intended to guide the project team through the implementation of business scenarios enabled by two or more SAP products, integrated within the intelligent enterprise.

Business scenarios in the roadmap are:

- Scenario – Hire-to-Retire
- Scenario – External Workforce
- Scenario – Source-to-Pay
- Scenario – Total Workforce Management

Products related to the scenarios and represented in the roadmap are:

- SAP S/4HANA Cloud
- SAP SuccessFactors
- SAP Fieldglass
- SAP Concur

The roadmap is comprised of phases, deliverables, and tasks in accordance with SAP Activate Methodology of SAP products that the customer is licensed for. In addition, accelerators are linked to the relevant deliverables and tasks making them easy to consume at the point in the project that they are needed.

To facilitate the adoption of SAP Cloud products, several services and tools are available. One example is the Strategic Advisory Service for Analytics.

As an introduction to cloud data warehousing considerations, SAP offers a Strategic advisory service for analytics. This service integrates and socializes analytics into business operations and decision making. Company-wide use of analytics requires a governance framework that



The service includes:

- Identification of strategic business drivers and change-management needs to define the analytics vision and strategy
- Delivery of a custom road map to determine the analytics target architecture
- Creation of an analytics governance model to establish standards and processes for setup, adoption, and use

The service is offered in three scope options:

- Baseline Package: This introductory option socializes in-depth advisory services with the customer. In a quick assessment, high-level opportunities and quick wins are identified.
- Enhanced package: This intermediate service initiates in-depth analytics with a transformation road map. The package includes a baseline service scope, value proposition, analytics capability formulation, and recommendations for governance, standards, architecture, and project execution.
- Extended package: This enhanced service scope provides ongoing support. A dedicated analytics advisor is assigned as the central contact for all discussions about analytics solutions from SAP, and manages related initiatives to deliver business value for medium- and long-term execution.

Application Design and Configuration Workstream

When implementing cloud based solutions, not only you find that agile approaches are more commonly used, but several solutions follow practices where predefined available content leverages the overall implementation. Like SAP Best Practices, in SAP S/4HANA, other solutions have similar content available. One example is SAP SuccessFactors.

Another aspect that is common is the fit-to-standard analysis, from roadmap to roadmap there are small variations, but the principles are the same. Even in solutions where much more creativity and adaptation is expected (like in Analytics solutions), you still refer to the available



principles and expected project value and benefits.

- Agree on process scope.
- Review all the necessary Implementation Design Principles (IDPs) Documents based on the project scope. Prepare any necessary material to be presented to the customer.
- Review all the necessary leading practice process diagrams related to the solution.
- Prepare fit-to-standard environment to be used for system walkthroughs during fit-to-standard workshops.
- Book rooms and materials for the workshops.
- Invite and send out the agenda and schedule of the workshops to all key participants.
- Confirm the materials and internet access provided on the day of the execution workshop before the official start.

Testing Workstream

The screenshot shows the SAP Activate Roadmap Viewer interface. The main title is "4. Realize". Below it, the "Testing Workstream" is listed under the "Solution Configuration" section. The workstream includes tasks such as "Execute Business Process Unit Test", "Release Cycles for SAP SuccessFactors", "Prepare for the First Half and Second Half Release Cycles", "Solution Test Preparation" (with sub-tasks like "Prepare Testing Prerequisites", "Create the Test Plan", and "Test Preparation Training"), and "Test Execution" (with sub-tasks like "Execute Test Case" and "Defect Management and Retesting").

In any project, there will be different types of testing. Sometimes the structure within the SAP Activate Roadmap Viewer can differ from one



acceptance testing, data conversion testing, and so on, usually will always, with different levels of detail and impact.

For example, in your SAP SuccessFactors project you find out that payroll processing takes too long. The impact will be to review your subscription with the hyperscaler (cloud provider), update the architecture documentation, and so on. No need to go back to the drawing board. If it was an on-premise solution (you could keep running payroll in SAP S/4HANA), you might need to procure new hardware and that will bring much larger delays than just some updates to the architecture documents or the subscription agreement.

Testing Workstream Activities in Realize Phase (SAP Data Warehouse Cloud)

The screenshot shows a list of activities under the '4. Realize' workstream:

- Execution Plan for Realize Phase
 - Manage Integration Test
 - Manage Security Test
 - Manage User Acceptance Test
- Test Preparation
 - Prepare Tests
- Test Execution
 - Perform User Acceptance Test
- Cutover Preparation
 - Create Cutover Plan
 - Connect Production Landscape

The picture above gives another example of testing activities, but now for the SAP Data Warehouse Cloud.

Don't you think that security testing applies on any project? Is it not common to include UAT (user acceptance testing)? In any project, user acceptance testing takes place in the Realize phase. It's needed for achieving signoff for the customer, but when reviewing the activities listed in which roadmap, it's not always explicitly highlighted. The explanation is



Strategy task, you will find a common sequence of tests to be performed in a Cloud Implementation.

Test cycle, a sequence of testing activities typical of an implementation project can be represented by:

- Unit Testing (if applicable)
- Business Process (String) Testing
- Integration Testing
- Data Conversion Testing
- User Acceptance Testing

Some of the findings of these tests can also include aspects related to performance, for example, throughput. Depending on your project jargon, you will notice that business process, string, or end-to-end testing look like synonyms.

Search for Deliverables Related to the Test Strategy

Steps

1. Open the SAP Activate Roadmap Viewer and search for the test strategy.
 - a. Open the SAP Activate Roadmap Viewer using
<https://go.support.sap.com/roadmapviewer/#/group//roadmap/82b2db84548d41209cda972f0fac428b/node/FA163ED752201EDABFE8>

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Describing Workstreams in On-Premise Implementations



Objective

After completing this lesson, you will be able to describe the specifics of different workstreams in on-premise implementations.

Description of the Specifics of Workstreams in SAP S/4HANA On-Premise Implementations

In this lesson, we will cover the specifics of SAP S/4HANA on-premise implementations. It's the most common example for implementation projects on the existing customer base. And, for a customer already running SAP ERP, the first question will be, new implementation versus system conversion.

The SAP readiness check allows you to identify the most impacted areas and can be useful to estimate the cost of conversion versus the benefits of new implementation.

The SAP readiness check for SAP S/4HANA focuses on high level findings, for example:

- Simplification Item Relevance
- Custom Code
- Recommended SAP Fiori Apps
- SAP S/4HANA Sizing

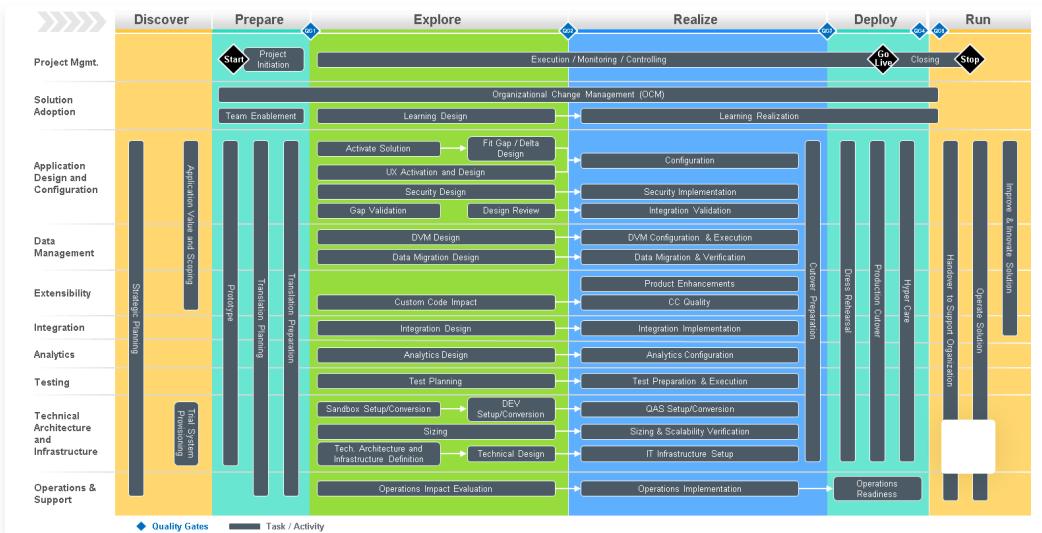




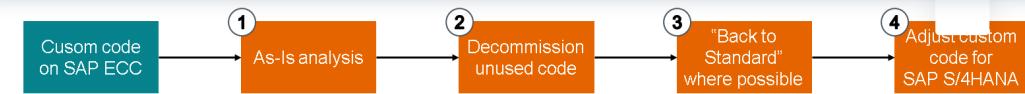
to Unit 5). Amongst the possible transitions, you will find greenfield (new) implementation and system conversion.

System conversion is one of the examples where development and code review activities take a fundamental role, and the older the history of the SAP system in the organization, the more relevant they became.

Think about this example. A customer started its ERP implementation back in the mid 90s when the SAP ERP solution was still called SAP R/3. It upgraded later to SAP ERP and now is converting the system into an SAP S/4HANA. You have almost 30 years of development history there and take into consideration that the functionality you find nowadays is quite different from 30 years ago. Many processes didn't exist or didn't provide enough coverage for the organization needs. SAP solution matured over time. If in this 30 years no major code overhauling took place, then you will find that one of the most critical tasks for your system conversion project is related to Custom Code. You need to evaluate the impact of custom code, access its quality, phase out obsolete code, and replace nonstandard code with standard functionality when it's possible.



Historically the importance of reviewing custom code can be characterized as a long and intensive task, starting in Explore phase, where you understand how much you should keep, deprecate, or remove and later in Realize phase, you perform the adjustments. In the diagram, notice the CC: Custom Quality task.



1. As-Is analysis: Gain full transparency on your custom code situation in the productive SAP ECC.
2. Decommission unused custom code: Decommission custom code which is not in use. This activity may start long time before a system conversion, during conversion, and should continue afterwards.
3. Back-to-Standard where possible: Try to replace custom code with SAP or partner code. This holds true for modifications, clones and so on, and for custom code areas which are impacted by simplifications.
4. Adjust custom code for SAP S/4HANA (re-design/re-platform): Many existing custom code objects will run on SAP S/4HANA without any need for adjustment. However, some code objects must be adjusted. (for example, by using 'Quick Fixes'), and some should be adjusted according to the extensibility concept for SAP S/4HANA (in-app, side-by-side).

Make yourself familiar with the extension concept of SAP S/4HANA. Please see the document 'Custom Extensions in SAP S/4HANA Implementations - A Practical Guide for Senior IT Leadership' in the accelerator section.

Make yourself familiar also with the topic of custom code migration. SAP recommends the following information sources:

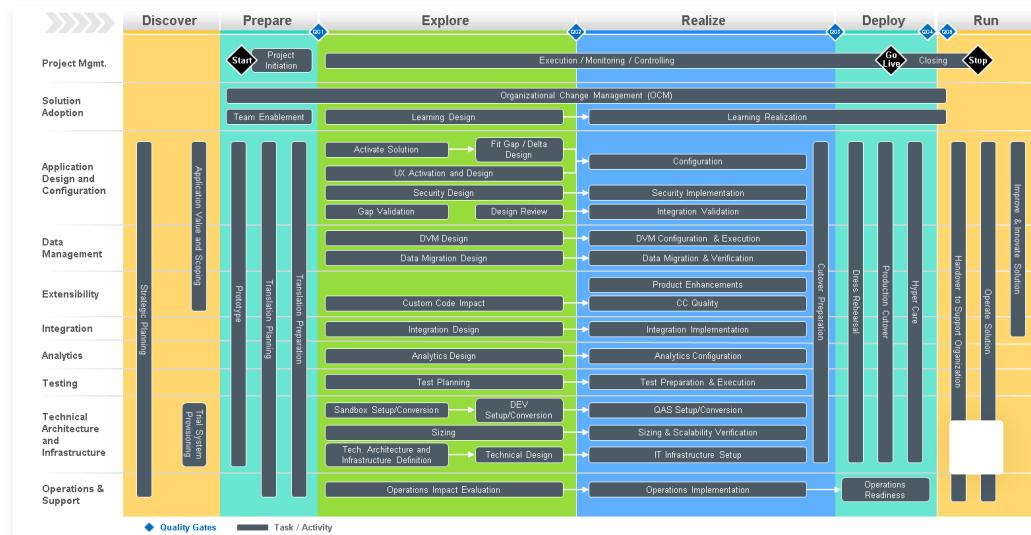
You should start with the SAP Blogs 'SAP S/4HANA System Conversion – Custom code adaptation process' and 'Semi-automatic custom code adaptation after SAP S/4HANA system conversion', and the 'FAQ document on custom code adaptation'.

Another good starting point into the topic is given in the SAP White Paper 'Custom Extensions in SAP S/4HANA Implementations'. This white paper is about the essential concepts for a modern enterprise application's extensibility, guides through the key aspects of dealing with custom code during a system conversion, and offers practical advice for customers who run a new implementation of SAP S/4HANA or launch new SAP technologies.

Another good overview document (with many links included) is 'Custom Code Management during an SAP S/4HANA Conversion'.



technologies. Now you move to SAP S/4HANA and you have a new technologies to support and troubleshoot SAP HANA and SAP Fiori. You have code being moved to the database and you have OData Services side by side with Web Services. One critical task is related to accessing the impact on operations.



During the operations impact evaluation activity, the SAP S/4HANA project scope is analyzed to evaluate potential operational risks and areas in the support framework that need to be looked at and modified or implemented prior to the go-live. The aim is to define the list of operational activities which:

- Need to be newly set up. For example, in case SAP Fiori Apps are newly introduced, the administration and operation of the front-end server needs to be defined and set up and resources need to be trained on the systems involved and their configuration. In addition, support processes like incident management need to be able to handle the new component.
- Are existing but must be modified. For example, daily backup routines need to be adjusted to properly fit the new SAP S/4HANA solution. Support tools like monitoring, troubleshooting, or software logistics tools need to be in place. Processes like master data management need to be revisited to define new policies required by the major changes in the master data structure.
- Can be retired. For example, DB routines and scripts for AnyDB can be retired. AnyDB monitoring set up should be retired as well.



SAP can support you in all these activities with a systematic approach to operational activities, which will ensure you analyze all the changes in IT operational activities caused by the new solution.

Once the affected support areas are analyzed in a systematic way, a roadmap is defined that includes the key activities for IT to fill the gaps and prepare the future IT support framework. The key activities required are many, and include:

- Defining the sourcing strategy for a new role. Project resource moving to operations, ramp up of a current resource to support the new solution, hiring, or handover of activity to partner.
- Setting up and configuring tools and where SAP will be engaged to support.
- Documenting operating procedures by project resources or by operational resources.
- Organizing for knowledge transfer to ensure the future operational resources have the required knowledge and skills. This includes formal education of current operational resources, training, hands on and shadowing on new solutions. It also includes training of all the IT support resources involved in the support of the new solution like the service desk.
- Operations cutover activities (team access, roll over of open defects, and so on).
- Retirement of some part of the current support framework.

Find Tasks and Accelerators Related to the Review of Custom Code

Steps

1. Open SAP Activate Roadmap Viewer and use the search button to find tasks and accelerators related to the review of custom code.
 - a. Open [SAP Activate Roadmap Viewer](#) and use the search button to find tasks and accelerators related to the review of custom code.