Sometimes the standard scope of SAP solutions does not provide all the functions that you, as a customer, would like to have. If you decide to bridge this functional gap by a modification or custom development, the custom code should not cause any delays or additional effort during future SAP transition events such as upgrades or enhancement package imports. Upgradeability is a key factor to benefit from SAP’s accelerated delivery of software innovations with enhancement packages.

AT A GLANCE

Key Features
The custom code maintainability check analyzes the custom code in your ABAP-based system landscape.

Benefits
The most important benefit of the custom code maintainability check is to make visible all custom code and modified objects in your system, as well as in the current implementation project. It answers the question, “How modified is my system?” Future software updates from SAP can be more easily carried out if the modification level is low. However, the use of SAP’s various enhancement technologies and the modification assistant can also improve the maintainability and upgradeability of your system.

The following key performance indicators (KPIs) are extracted and benchmarked. They indicate the modification level of your system and current implementation project.

Quantity
- Customer objects per package
- Modified SAP objects per application component
- Enhancements (user exits, BAdIs, appends, implicit and explicit enhancement spots)
- References of customer objects to SAP standard coding
- Overall utilization of custom code and identification of potentially obsolete code

Quality
Your custom code is scanned for critical statements regarding performance, security, multi-language support, transactional consistency, and so on.

Documentation
The core business processes should be documented in SAP Solution Manager. If a process step includes custom code, this should be indicated in the attributes of the process step.

Project Governance
The custom code maintainability check also provides detailed recommendations for improving the quality of your software change management process. The extraction includes technical indicators such as transport errors and transport consistency. These indicators are compared with SAP’s best-practice recommendations for building and maintaining custom code.
When to Use
The custom code maintainability check provides an overview of your custom code in an ABAP-based system landscape. It should be used especially in the following cases:
- The maintenance costs and efforts for your custom code are high
- You have problems with the quality of your custom code
- You want to return to SAP standard functionality instead of using custom code. Such as after an upgrade or after an enhancement package import
- You want to have an effort estimation for your upcoming upgrade or maintenance project
- You want to check the custom code which was developed in an implementation project

DELIVERY IN DETAIL

The relevant information on the custom code objects is automatically collected in the managed systems. Then, the collected data is transferred into your SAP Solution Manager. SAP evaluates the data and gives detailed recommendations. The results are documented in a service report.

Customer Involvement
On the customer side we need a service requestor. Typically, this is the development manager or the project manager. This person will receive the service report and is responsible for implementing the recommended action items. In addition, a technical administrator is needed to check and implement the technical requirements for the service delivery.

Follow-up
A report will be provided after the service delivery. This report contains all performed checks with benchmarks, evaluations, and recommended tasks. An action plan summarizes the most important follow-up steps.

DURATION

The delivery takes two days and is performed remotely.

PREREQUISITES

The service is available for customers with an SAP Enterprise Support agreement. SAP Notes 1330674 and 1861798 contains the detailed technical prerequisites for the systems to be analyzed, as well as for SAP Solution Manager.