SAP Upgrade Tools

Solution Management
Application Life-Cycle Management
1. Enablement
   1. Solution Browser
   2. SAP ERP Course Finder

2. Expert Guidance
   1. Upgrade Dependency Analyzer
   2. Scenario and Process Component List
   3. Quick Sizer
   4. Upgrade Experience Database
   5. Solution Documentation Assistant

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   1. Upgrade Roadmap
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# SAP Tools and Information supporting Upgrade Projects

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Upgrade Discovery:
SAP ERP Solution Browser

Goal
To provide SAP Customers with the capability to assess the value of upgrading by comparing functionality enhancements between existing solution and desired target releases.

Scope
- Enables customers and partners to learn about new capabilities between different R/3 and SAP ERP versions
- Helps customers to build a value proposition for the upgrade to SAP ERP
- Availability:
  - SAP ERP Solution Browser
    http://solutionbrowser.erp.sap.fmpmedia.com/

Benefits
- Tailored access to detailed delta information of latest SAP ERP versions
- Saving time/effort in the definition of a value proposition / business case for a SAP ERP transition
Upgrade Discovery:
Education Upgrade Course Finder

http://www.sap.com/services/education/catalog/erp/coursefinder.epx
Upgrade Evaluation:
Upgrade Dependency Analyzer

Goal
To provide SAP Customers with the capability to assess any upgrade dependencies between systems in their landscape by use of an online tool.

Scope
- Check the existence of upgrade dependencies between two separately installed SAP systems in your system landscape.
- Access by the SAP Service Marketplace at: http://service.sap.com/uda
- Integrated with the SAP Solution Manager (with ST400 SP17)

Benefits
- Reduce risks, costs and effort
- Quick access and easy to use
- Central access point across SAP solutions
Scenario & Process Component List
Finding Realization Alternatives for SAP Solutions, Business Scenarios, and Processes

The Scenario & Process Component List narrows the gap between the business view and the technical view onto SAP's products. It shows you which application components are needed to realize a business scenario or process and which business scenarios are possible with a given set of application components.

We recommend to use Single Sign-On (SSO)
With Single Sign-On you can access the SAP Service Marketplace and all its applications without having to enter your user-ID and password. If you want to use Single Sign-On (SSO), you can request an SAP Passport here.

If you do not use Single Sign-On, you have to logon to the Scenario & Process Component List Application using your SAP Service Marketplace user ID and password.

Want to learn more?
Find useful tips in the FAQ section. Read more about Single Sign-On.

http://service.sap.com/scl
Upgrade Evaluation:
Quick Sizer

Sizing SAP Solutions

Business-oriented, proven, cost effective

Sizing means determining the hardware requirements of an SAP System such as network bandwidth, physical memory, CPU power, and I/O capacity. The size of the hardware and database is influenced by both business aspects and technological aspects. This means that the number of users using the various application components and the data load they put on the network must be taken into account.

With the help of SAP Standard Application Benchmark results at [www.sap.com/benchmark](http://www.sap.com/benchmark), statements can be made as to CPU consumption and memory consumption of particular software components.

For sizing we have identified three different and independent sizing models that have different advantages and disadvantages. The first two, user-based sizing and throughput-based sizing, have been implemented in the QuickSizer.

- **User-based sizing.** We defined three types of active users who work with the system to a different degree. Merely counting the users can be done quite easily. The disadvantage is that this estimation is quite rough as it says very little about the actual throughput these users produce.

- **Throughput-based sizing.** This model is quite thorough because it relies on actual or on actually expected throughput. However, this model relies on a number of assumptions in business terms (e.g., number of order line items per year) that need to be cross-checked against the individual installation.

- **Customer Performance Test.** The according tests are done in a customer system with customer data. The disadvantage is that conducting these tests requires considerable time and money. For further information please refer to the white paper [Carrying Out Customer Performance Tests](http://service.sap.com/netweaver).

Related Topics:

- Performance
- Standard Application Benchmarks
- Installation & configuration guides
- Adaptive Computing

http://service.sap.com/netweaver
Upgrade Evaluation:
SAP Upgrade Experience Database

Goal
To provide SAP Customers with statistics of other customers’ upgrade projects, to aid in the scoping of the upgrade project

Scope
• Provides experiences/statistics of completed upgrade projects
• Key upgrade parameters including
  • Reasons for upgrade, etc.
  • Project parameters
  • Additional hardware requirements
  • Business Downtime
• Data on SAP ERP 6.0 (ECC 6.0) is available at http://service.sap.com/upgrade
tools -> SAP Upgrade Experience Database

Benefits
• Benchmark data to plan your upgrade

Project Duration
Source: R/3 4.6c   Target: SAP ERP 6.0
Based on 46 upgrades
Goal
Solution Documentation Assistant is SAP’s new approach to analyze customers’ systems automatically, providing a full-scale system usage report and customer core business process models in SAP Solution Manager.

Scope
- Accelerator for Solution Documentation
- Basis for optimized test planning by enhanced solution and usage transparency
- Solution Documentation Assistant uses the existing SAP Solution Manager infrastructure (systems, data)

Benefits
- Reduce risk - Establish one central source of the truth
- Reduce total cost of operations - Manage solution under budget within time constrains as accelerator for building up business process structures
- Optimize business benefits - Focus totally on business process execution via automatic mapping against standard processes
**Upgrades with SAP Solution Manager**

**Work Centers**

**Goal**
Work Centers provide an easy to use and learn, role-based access to all life-cycle management tasks

**Scope**
- Work Centers are based on the E2E Solution Operation Standards
- Upgrade relevant Work Centers are:
  - Implementation & Upgrade
  - Change Management
  - System Landscape Management
  - System Administration
- Availability
  - as of SAP Solution Manager 7.0
  - Access by transaction solman_workcenter

**Benefits**
- Smooth access to application management functions via a ready-to-use, integrated, efficient user interface
SAP Upgrade Roadmap

Overview

Goal
Provide SAP customers with standard methodology to plan and execute the upgrade of an SAP Solution

Scope
- Content: Best practices and templates for project management, functional and technical aspects facilitating key tasks of the entire project team
- Availability:
  - SAP Solution Manager format: Available with content add-on ST-ICO, accessible via Work Center Implementation and Upgrade
  - HTML version on SAP Upgrade Info Center at: http://service.sap.com/upgraderoadmap

Benefits
- Central point of access to upgrade project information and integrated use with SAP Solution Manager
- Repeatable approach that helps to mitigate risks, attack key time consumers and reduce costs and effort
Upgrade Impact Analysis
Identify project functionality deltas

Goal
Provide SAP customers with a comparison report capability in the SAP Solution Manager to identify the impact of an upgrade based on the existing project structure.

Scope
- Target release compliance check to:
  - Identify process and function release deltas
  - Adapt existing business processes (automated via comparison report)
  - Evaluate existing test cases
  - Determine end-user training requirements
- Upgrade/Delta Customizing
  - Central generation of Upgrade and/or Delta IMG views

Benefits
- Efficient impact analysis for SAP standard business processes
- Accelerated application adjustment and test scope definition
# Custom Development Management Cockpit

## Goal
Provide SAP customers with a capability to identify and clear obsolete custom code on their systems, as well as determine the impact of an upgrade or support package installation, and calculate the effort.

## Scope
- Usage analysis of custom developments in a SAP system
- Identification of potentially obsolete objects
- Identification of impacts an upgrade or support package installation can possibly have on custom developments
- Calculation of the effort necessary for adjusting the custom developments affected by an upgrade or support package installation

## Benefits
- Usage transparency of custom developments
- Big saving potential by clearing identified obsolete custom-specific objects
- Accelerated Upgrade is for SAP standard business processes

## Solution Stack
- **Clearing Analysis**
- **Upgrade / Change Impact Analysis**
- **CDMC Control Center**
- **Solution Manager**
Standard Upgrade Tools
SAPup and SAPjup

Goal
Provide SAP customers with a set up standard upgrade tools to control the main upgrade activities, for ABAP, Java, and dual stack landscapes

Scope
- Standard SAP upgrade tool for ABAP and Java
- Execution of the main upgrade activities
- For and ABAP system you require SAPup, for a Java system you require SAPjup

Benefits
- New upgrade GUI layout and simplified upgrade procedure for ABAP (SAP NW 7.01) upgrade
- New upgrade GUI layout and simplified upgrade procedure for Java (SAP NW 7.1) and dual stack (SAP NW 7.1) upgrades
- Established system switch technology is also available for Java and dual stack upgrades
- Synchronized upgrade procedure for dual stack NW 7.0 upgrades
**Standard Upgrade Tools**

**Upgrade Log Monitor**

**Goal**
Provide SAP customers with the capability to remote monitor upgrade processes based on alert data in the SAPup/SAPjup logs. Alerts can be integrated with the SAP Solution Manager for escalation.

**Scope**
- Creates automatic alerts based on upgrade status recorded in SAPup/SAPjup logs on file level.
- Alerts can be raised for any event recorded in SAPup.log files (errors, warnings, user decisions, etc), for deviations from planned downtime or missed milestones during technical upgrade. Notification via Email or SMS to dedicated persons or distribution lists is possible.
- Monitoring of several parallel upgrades of different systems possible.
- Easy setup in Business Process Monitoring framework of SAP Solution Manager.

**Benefits**
- Alerting focused on specific events.
- Upgrade status monitoring across several system.
- Downtime monitoring.
Further Upgrade Information

SAP Upgrade Info Center:
- Homepage: http://service.sap.com/upgrade
- SAP ERP Upgrade Specifics: http://service.sap.com/upgrade-erp
- SAP Upgrade Road Map: http://service.sap.com/upgraderoadmap

SAP Upgrade Tools:
- SAP Upgrade Tools: http://service.sap.com/upgradetools
- System Switch Technology: https://www.sdn.sap.com/irj/sdn/upgradetech
- SAP Solution Manager: http://service.sap.com/solutionmanager
- Upgrade Dependancy Analyzer: http://service.sap.com/uda

SAP Upgrade Services:
- Overview and order information: http://service.sap.com/upgradeservices
- Upgrade Services of SAP Consulting (Focus Group): http://service.sap.com/ufg