



**Benefits of Upgrading to
SAP Central Process Scheduling 8.0
by Redwood**
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What is SAP CPS 8.0 by Redwood?

SAP Central Process Scheduling (SAP CPS) has enabled organizations to deploy a dynamic, event-driven automation environment for many years. Customers around the World have benefited from the flexibility the SAP CPS approach provides and have used it to build reliable business process automation able to manage their most complex scheduling and automation requirements.

With the release of SAP CPS v8 (also called SAP Central Process Scheduling 8.0 by Redwood), Redwood and SAP have delivered the next generation of enterprise process automation. Retaining the hallmark dynamic approach to scheduling and automation, SAP CPS v8 provides even greater flexibility by offering an even wider choice of implementation platforms and an all new web based user interface.

This document outlines the new features and capabilities offered by version 8 and the benefits that can be provided by upgrading to the new version.

What's New with SAP CPS version 8?

There are several differences between previous versions of SAP CPS and version 8, both in terms of automation capabilities and underlying infrastructure. The main infrastructure differences are:

- 1) **Database agnostic:** To meet growing customer demand SAP CPS v8 has been designed from the outset to support any database that can be run in the SAP NetWeaver environment, including SQL Server, DB2 and Oracle. Despite the move to support different databases, Oracle users wishing remain on this platform can do so in the knowledge that their investment in PL/SQL will be supported, alongside new Java scripting capabilities.
- 2) **Modern web application:** SAP CPS v8 is built using a modern, standards based Java platform that runs on a wide variety of web application servers. The installation carries a minimal footprint, is standards based (HTTP), and firewall friendly (no database access needed from agent nodes like in V7, networking is set up so that the server accesses the agents not vice versa).
- 3) **Web based user interface:** The new user interface is web browser based. While existing customers will be immediately familiar with the concepts and objects presented, all functions can now be accessed from a standard Web browser and a number of usability improvements have been such as:
 - i) Desktop like experience with context based right-click menus and custom views.
 - ii) Tab based interface allowing simultaneous access to multiple functions.
 - iii) Intelligent search for all objects and easy to use filters.
 - iv) Single window, graphical Job Chain Editor.
 - v) 'In flight' creation of related objects when defining new objects (for example the ability to create a new event while in the process of building a new job definition object).
- 4) **Remote control via iPhone:** SAP CPS version 8 can be used in conjunction with the Cronacle Mobile application for the iPhone®, iPad® and iPod® touch enabling remote management of the SAP CPS environment. This capability is another benefit of the underlying web application.

Enhanced SAP integration with the Business Automation Enabler

SAP CPS v8 delivers a major advantage over previous versions for SAP customers. The Business Automation Enabler (or BAE) has been developed jointly by SAP and Redwood. The BAE allows SAP applications and infrastructure components to make calls to SAP CPS to manage and monitor SAP and non-SAP tasks from within the application itself. This unique level of integration is not possible with any other automation or scheduling solution. Specific integration has been built with:

- **SAP Financial Closing Cockpit (FCc):** By implementing FCc with SAP CPS and the BAE, you can manage and view closing tasks within the Closing Cockpit that are run outside of the SAP Finance environment that FCc is part of. Non-SAP and other SAP application jobs can be viewed from within the Closing Cockpit enabling it to provide a true single monitoring point for your closing process no matter where the individual tasks execute. This is achieved through the BAE enabling FCc to access capabilities and view data returned by SAP CPS.

- **SAP NetWeaver Business Warehouse:** By accessing SAP CPS via the BAE, SAP BW process chains can now include not just BW processes but also any jobs managed by SAP CPS (SAP or non-SAP) and can integrate with SAP CPS events. This allows BW processing to be fully embedded into the wider enterprise workload and to automatically execute based on activities outside of the BW environment.
- **SAP Solution Manager:** By enabling management of the SAP and non-SAP landscape, the BAE and SAP CPS turn SAP Solution Manager into a single focal point for enterprise wide workload automation. Through the Solution Manager workbench for job scheduling, SAP CPS can be called to run all workload and surface the results through the Solution Manager user interface. Integration with change management aspects and ability for Solution Manager to access job documentation through SAP CPS provide an enterprise console not possible without the BAE

Note that integration provided by the Business Automation Enable does not depend on SAP published APIs such as XBP, XMW or BW-SCH. The BAE is unique to SAP CPS, offers a different level of integration and enables SAP CPS to be an automation engine that can be called by any SAP application.

Why Upgrade to SAP CPS version 8?

In addition to the wider choice of installation environments allowing you to choose the most cost effective infrastructure for your organization, SAP CPS v8 delivers a number of new capabilities designed to further increase benefit to your organization. For example:

- 1) **Small footprint:** Where platform agents are deployed, for example for managing operating system level workload, the installation requirements are minimal, resulting in an easy to manage low impact automation infrastructure. Deployment is also made easy through automated software distribution. Where connections are made to some environments such as SAP or AS/400, no agent software is required at all. Additionally with all administration and operational tasks accessible through the web browser interface, there is no 'fat client' required reducing further the overall installation size and maintenance overhead.
- 2) **Easy to use web based management:** All user functions are available through standard web browsers. Management and operation can be easily maintained without specific access from individual workstations. In addition many of the common tasks are now driven through wizard based dialogues, reducing training requirements and helping to speed up deployment.
- 3) **Extended capabilities:** SAP CPSv8 enhances the overall management of your workload by offering many enhanced capabilities including:
 - i) Easy to use export / import tools simplifying promotion of workload between, for example, testing and production environments.
 - ii) Configurable dashboard views and additional forecasting capabilities.
 - iii) Support for LDAP, Active Directory etc.
 - iv) Automatic update of Agents when a new server is installed.
 - v) Ability to use 'sudo' to switch users (where available) without the agent running as root.
 - vi) Improved visualization of upcoming workload based on submit frames and time windows.
 - vii) Easy to use, built in reporting engine.
- 4) **Active Management Modules:** Customers have the option to implement a number of modules designed to add further value to their SAP CPS v8 environments by adding one or more of a number of new modules. These modules, available only from Redwood, offer capabilities beyond job scheduling, extending the reach of SAP CPS into a wider process automation management system. The modules plug seamlessly into SAP CPS and are accessed through the standard user interface. Available modules currently include:
 - i) **Active Monitoring:** Rules based exception management, escalation and system monitoring. This module can detect and react to exceptions beyond simple job failures, for example notification that a storage pack is running out of space before a critical update run starts so that this can be addressed, preventing failure.

- ii) **Active Auditing:** Automated tracking of changes made to the environment establishing a clear, secure audit trail for tracing and compliance purposes. This module ensures accountability and also provides a roll-back facility to easily back out changes.
- iii) **Active Archiving:** Improves performance and manageability of the SAP CPS environment by archiving valuable but important data out of the run time environment into a secure repository. All data relating to specific instances of selected workload, such as run-time statistics, spool and log files is retained for future reference for as long as required without filling up the SAP CPS database.

The Active Management Modules offer the peace of mind inherent in a standard, fully supported offering that will be enhanced over time.

Want to Know More?

Redwood Software will help you to upgrade to SAP CPS version 8 by developing tools to perform upgrade tasks supported by professional services to ensure the smoothest transition possible to the most efficient SAP CPS environment.

For more information please contact your local Redwood representative or visit www.redwood.com.

About Redwood Software

Redwood Software is a global software company providing business and financial process automation, job scheduling, and enterprise report management solutions that enable organizations worldwide to maximize the value of their information management and technology investments. Serving thousands of customer installations worldwide, Redwood solutions help customers meet the challenges of today's competitive environment by delivering solutions that make business operations faster, more effective, and more efficient. Founded in the Netherlands in 1993, Redwood serves businesses worldwide through locations in Europe, North America, and Australia.

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