CA Scheduler® Job Management r11 (CA Scheduler JM), part of the Job Management solution from CA Technologies, is a premier z/OS-centric solution for automated scheduling and job management. It centralizes workload management executing on a single mainframe, sysplex configuration or cross-platform environment consisting of multiple and disparate platforms and distributed ERP applications. CA Scheduler JM delivers flexibility, reliability and scalability to manage critical business processes for the entire enterprise.

Overview

CA Scheduler JM is a mainframe-hosted product designed to manage jobs and schedules as a business process, integrating components across the enterprise. From a single point of control, CA Scheduler JM automates tasks to reduce human error and improve operational efficiency, availability and performance.

Business value

CA Scheduler JM enables you to manage work running on any platform, reduce human and system error, improve availability and performance, all through sophisticated automation. Cross-platform dependencies are easily managed on a single console, improving visibility and business relevance.
CA Scheduler JM plays a critical business role

Technology and business have become inseparable. Since your business is constantly changing in response to market pressures, technology systems must respond and grow as needed. One critical facet is the need for reliable and timely information processing on virtually any platform and in sync with mission-critical applications. These conditions require a highly scalable and flexible job management solution capable of dynamically responding to real-time business needs on demand, integrating with business processes and adapting to the infrastructure as it changes.

Addressing your current and future business needs requires a market-proven, enterprise-wide solution that automates job scheduling in order to improve productivity, help reduce operating costs and help ensure reliability for business processes. It must do so by:

- Managing jobs and schedules as a business process by integrating all scheduling components, regardless of platform, from a secure, up-to-date single point of control
- Improving efficiency and controlling costs of resources by automating the job scheduling process across applications and platforms
- Reducing operational risks by automating tasks, eliminating potential human error, as staffs are often stretched thin
- Improving availability of business resources by optimizing job schedules and automating error recovery for business processes
- Supporting a heterogeneous environment by providing a service-oriented architecture that adapts to the computing infrastructure and future demands

Enterprise-wide, cross-platform job management

CA Scheduler JM has always been a leader in providing industry-standard, high-performance, and high-volume job management for mission-critical systems. This fully integrated job scheduling engine coordinates and executes job schedules across a single mainframe, sysplex configuration or a wide variety of distributed platforms. A broad range of functions, such as administration, job submission and job monitoring, can be centralized or distributed depending on your organizational structure. It delivers the ease-of-use needed to respond even faster to changes and new business requirements in the environment. This product automates the management of workloads based on multiple levels of criteria, including job dependencies and resource availability. It promotes business efficiency through its capability and flexibility in managing workflow for all major platforms and prepackaged applications, such as SAP, PeopleSoft and Oracle.
Features

Mainframe 2.0

CA Scheduler JM has adopted key Mainframe 2.0 features that are designed to simplify your use of CA Scheduler JM and enable your staff to install, deploy and maintain it more effectively and quickly.

- **CA Mainframe Software Manager™**: The CA Mainframe Software Manager (CA MSM) automates CA Scheduler JM deployment and maintenance and removes SMP/E complexities.
  - The **Software Acquisition Service** enables you to easily move product installation packages and maintenance from CA Support Online directly to your mainframe environment and prepare them for installation.
  - The **Software Installation Service** standardizes CA Scheduler JM installation, which includes a new, streamlined Electronic Software Delivery (ESD) method that allows CA Scheduler JM to be installed using standard utilities. This service also provides standardized SMP/E product installation and maintenance via APARs and PTFs, and simplifies SMP/E processing through an intuitive graphical user interface and an intelligent installation wizard.
  - The **Software Deployment Service** enables you to easily deploy CA Scheduler JM in your mainframe environment.
  - **CA MSM Consolidated Software Inventory (CSI)** updates and infrastructure improvements add flexibility to CA MSM processing of CSIs and enable CA MSM to more effectively utilize CPU and system memory.

- **Installation Verification Program (IVP) and Execution Verification Program (EVP)**: As part of qualification for inclusion in the set of mainframe products from CA Technologies released every May, CA Scheduler JM has passed stringent tests performed through the IVP and EVP to find and resolve interoperability problems prior to release. These programs are an extension of our ongoing interoperability certification initiative launched in May 2009.

- **Best Practices guide**: This guide provides information on CA Scheduler JM installation, initial configuration and deployment to shorten the learning curve for staff who are responsible for the installation and management of this product.

- **Health Checker**: The Mainframe 2.0 Health Checker provides CA Scheduler JM Health Checks that execute under the IBM Health Checker for z/OS.
Key capabilities

- **Multi platform scheduling:** Manage and visualize a complete business process from end to end across platforms from a central point of control.

- **UNIX, Windows and Linux support:** A client/server-based architecture supports virtually any networking protocol and can reside on any available platform. Sophisticated agent technology extends job scheduling capabilities to remote platforms.

- **Integration with CA AutoSys® Workload Automation:** Seamlessly integrate workload between the two scheduling engines.

- **Integration with CA Workload Automation Restart Option (formerly CA 11 WA):** CA Workload Automation Restart Option is an industry leader for mainframe rerun/restart management, minimizing restart errors and data corruption by eliminating the need to restart jobs manually. In addition, CA Workload Automation Restart Option serves as a tracking system, maintaining job execution and performance logs.

- **Integration with CA JCLCheck™ Workload Automation (CA JCLCheck WA):** By quickly validating JCL and identifying problems, the integration with CA JCLCheck WA provides users with advanced warnings so corrective actions can be taken before a job is executed in the production cycle. The utility also checks for execution time errors resulting in system abends caused by JCL problems.

- **Workload management:**
  - **IBM’s workload management:** Integration with IBM’s Workload Management balances mainframe resources to help ensure their availability for high-priority jobs.
  - **Virtual resource management:** This facility defines controls on job submission based on resource availability. Resource types include shared, exclusive and count.
  - **Critical Path Monitoring (CPM):** A critical path is composed of the jobs, activities and processes necessary to meet a specific objective. Of particular importance is a critical path of jobs that must complete on time to meet an SLA deadline. For example, the SLA dictates that checks are printed every Friday by 11:00 a.m. After the criteria for a flow is defined, CPM determines which jobs are associated with accounts payable, monitors and displays the status of that path, and provides an immediate alert if it determines the deadline is in jeopardy. In addition, CPM integrates with optional features of CA OPS/MVS® Event Management and Automation (CA OPS/MVS EMA) to immediately notify a responsible party.
CA Scheduler Job Management

- **Scheduling in a sysplex environment:** While sysplex configurations have proven successful in controlling costs, they have also increased the complexity of managing workloads. CA Scheduler JM supports sysplex environments using an architecture that distributes workload processing throughout the environment while supporting a central, single point of control.

- **Event management:** CA Scheduler JM can send event information to your end users and send messages to an operator’s console.

- **Seamless application integration:** Implementing applications in new or existing infrastructures is a significant undertaking and a substantial investment in terms of resources and capital. Integration of major business applications with CA Scheduler JM allows them to be managed with reliability and flexibility, and executed in sync with workflows running throughout the rest of your enterprise.

- **Improved availability:** Architected and designed to extend the same level of fault tolerance and reliability to application workflows.

- **End-to-end management and control:** Provides a single point of control, common operator interface, and cross-platform and cross-application dependencies.

- **Support for SAP, PeopleSoft and Oracle applications:** Using CA Scheduler JM to drive the embedded schedulers helps ensure compatibility and consistency across the workflow, extends scheduling functionality and integrates scheduling across applications.

- **Simulation and forecasting:** Simulation reports show what schedules and jobs would be selected on any given date, and when and where the jobs would be processed. By using the simulation commands, you can see the effects of changing values for each simulation run. Forecast reports provide information on jobs and schedules that will be selected for processing on a future date or range of dates. They can help you predict what would occur under a predefined set of conditions. By using the forecast commands, you can see the effects of changing values for each forecast period.

**What’s new in CA Scheduler JM r11**

- **Auto failover:** CA Scheduler JM can automatically recover from a system outage without any operator intervention. If one system in a sysplex fails, CA Scheduler JM can move itself to a remaining system and continue processing.

- **Job history:** CA Scheduler JM keeps detailed history about the jobs it manages, including when and on what system they executed, return codes, any manual intervention, and much more. History data may be kept available for online reports for as long as desired.
• **Concurrent submission:** CA Scheduler JM leverages the sysplex by submitting jobs on every system. Spreading the work of submission across multiple systems reduces delays during heavy batch windows.

• **Product integration:** CA Scheduler JM now integrates with CA OPS/MVS EVM and with CA Service Desk. It also provides health check routines for IBM Health Checker for z/OS.

• **IPv6:** The CA Scheduler JM email feature can use either IPv4 or IPv6 communication with the email (SMTP) server. The IPv4 vs. IPv6 is handled transparently without any action from the systems programmer or CA Scheduler JM user.

---

**Benefits**

• **Improved operational efficiency, performance and availability:** CA Scheduler JM r11 is a leader in providing mainframe-centric, industry-standard, high-performance job management for mission-critical systems. CA Scheduler JM improves the delivery of critical business services reliably while reducing costs and improving cross-platform visibility. From a single point of control, CA Scheduler JM automates tasks to reduce human error and improve operational efficiency, performance and availability.

• **Customized and enhanced product value with CA Services:** CA Technologies leadership in mainframe systems management includes the expertise offered by CA Services. Whether you need a health check, customization expertise, on-site training, integration assistance and more, this team of mainframe experts is on hand to ensure you get quick return on investment, full product value and satisfaction with your solution. They will work with you to understand your environment and your needs.

• **CA Education:** A preferred source for IT management and best practices training

CA Education is an important part of our services offering. We assess your training needs, create the right training plan for you and optimize the program with advanced coursework and industry certifications.

The cornerstone of CA Education is the Unified Learning Approach, which features four important steps:

— Determine business goals and IT requirements

— Determine the organizational competency level required to achieve these goals, considering people, process and technology requirements

— Assess individual staff competency levels on software from CA Technologies and IT best practices in an Education Needs Assessment

— Evaluate and measure staff post-training knowledge and skills
Delivery approach

CA Services provides a portfolio of mainframe services delivered through CA Technologies internal staff and a network of established partners chosen to help you achieve a successful deployment and get the desired business results as quickly as possible. Our standard service offerings are designed to speed deployment and accelerate the learning curve for your staff. CA Technologies field-proven mainframe best practices and training help you lower risk, improve use/ adoption and ultimately align the product configuration to your business requirements.

The CA Technologies advantage

CA Technologies has 30 years of recognized expertise in robust, reliable, scalable, and secure enterprise-class IT management software. CA Scheduler Job Management is a key component of the Mainframe 2.0 initiative from CA Technologies to change the way the mainframe is managed forever by helping you maximize the value of our mainframe products and by providing a simplified experience and innovative solutions that deliver value quickly and flexibly.