

## Universal Controller: Intelligent Automation for the Modern Data Center



### A Single Solution for the Enterprise

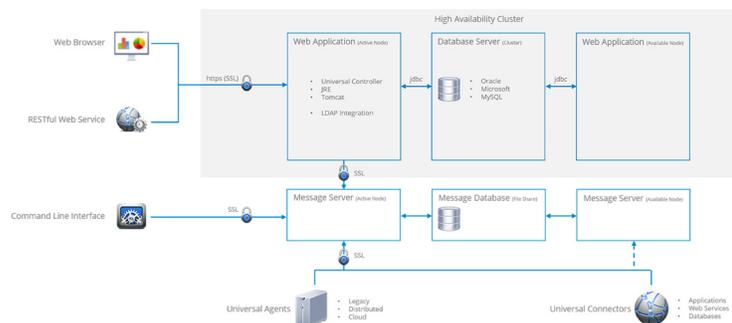
Universal Controller offers the latest innovations in functional design, architecture, implementation, and compliance - all incorporated organically throughout its feature set rather than using separately developed add-ons sold for an additional license fee. Universal Controller not only provides the time-and-date scheduling of an enterprise job scheduler, it is a workload automation broker capable of meeting the needs of real-time enterprises. Universal Controller is truly native to all platforms - not just separate, platform-specific "integrated" schedulers. The core server and agents can run on Windows, UNIX, and Linux operating systems and as a native z/OS application.

### Define Business Process via Graphical Workflow

A central component of Universal Controller is the integrated drag-and-drop workflow definition tool. This feature allows you to define workflows that closely model your business processes. While working within the workflow module, you can import existing task definitions or create new tasks on the fly. You may also develop simple or complex workflows while zooming in or out to view the details or overview as required. When the workflow kicks off, you can monitor its activity in a table view, graphically or both. You can create your own activity displays, specifying which activity you want selected and what details should be included. Like the workflow itself, the activity display is completely customizable.

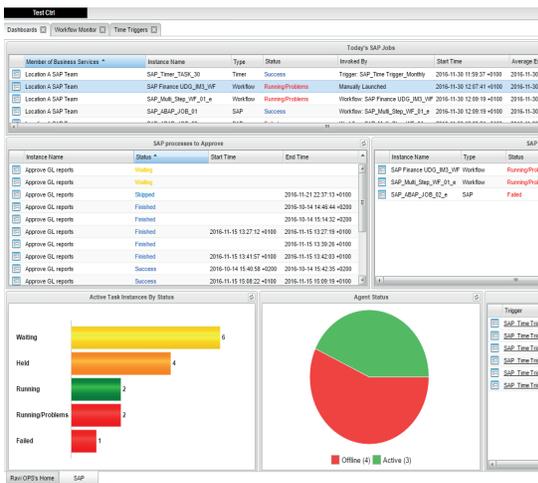
You can now dictate the set-up of your environment; Not the software restrictions. This seamless integration reduces complexity, minimizes errors and vastly improves your ability to access comprehensive visualizations of your data and workflows.

**In short, Universal Controller is the last scheduler you'll ever need.**



### Pure Web Interface

The Universal Controller user interface has been developed with an intuitive design that leverages the latest Web 2.0 technologies. The system is accessible anywhere using the most popular browsers. One hundred percent of user and administrative functions can be performed via the web interface. There are no obscure command lines to learn or unwieldy desktop installs to perform.



## Universal Controller applies emerging technology to the challenges of today's automation.

Finally, an enterprise job scheduler and workload automation broker that allows you to manage the workload of your entire enterprise on any platform, from a web-based interface.

### Dashboards, Reporting & Customizations

The Universal Controller user interface gives you complete flexibility in defining custom home pages for each user. Home pages can include user-specific tasks and reports, as well as graphical widgets that display real-time views of a particular running workload. The user interface can be customized to fit your business requirements. Administrators can create customized action buttons, forms, fields, and tables that extend the solution's capabilities. For example, you could implement an action button that flags a record as approved and saves it to the database. You could then modify your navigation pane to display approved and unapproved records under separate menu options. For reporting, the Automation Center provides a built-in report generator. You can use existing reports or create your own workload reports. These can be displayed in the user interface, printed out, or exported as PDF, Excel, or XML-formatted files.

### Business View Alignment

Universal Controller includes a built-in configuration management database (CMDB) that auto-discovers the topology of your enterprise. This feature helps business users define the business services and the enterprise resources that they require. Business users can also monitor their own workloads based on their own business service view. They can even create their own automated dashboards for monitoring

workload specific to business services.

### Clustering for Fault Tolerance and High Availability

Beyond simplistic high availability, system administrators can set up clusters of two or more nodes for fault tolerance, load balancing, and unprecedented scalability.

### Manage Dynamic Workload

Universal Controller provides hooks into operating system performance that allow administrators to load balance based on the real-time availability of system resources.

### Powerful Integrations

The Universal Controller is deeply integrated with the operating systems where it runs - z/OS, Linux, UNIX, and Windows. For z/OS, Universal Controller supports the step re-run and re-start features. On all platforms, Universal Controller provides real-time file monitoring and file browsing. The system also provides point-to-point transfer capabilities via FTP/SFTP. Database monitoring is also supported, along with database query and stored procedure execution.

### Integrated Role-Based Security

System security is managed from within the product. Administrators add users and groups, then define and assign access permissions to the users and groups. These access permissions can be assigned at extremely granular levels, down to a specific task or groups of tasks if required.