ScheduleWorX™32

Product Brief for ScheduleWorX™32 V9.4

November 2015

ScheduleWorX32 Overview

The ICONICS ScheduleWorX™32 product is a calendar-based scheduling tool that can be used in many different applications including discrete, process (batch), and most notably building automation. Specific applications targeted include Lighting Control, HVAC (Heating, Ventilation and Air Conditioning) control and Energy Management. ScheduleWorX32 allows you to create sequences of automatically-executed commands. Sequences can be configured in chronological patterns such as regular weekly or daily schedules with special conditions, including holidays, easily accommodated. Schedules can also be modified online and schedules can be manually over-ridden by an operator.
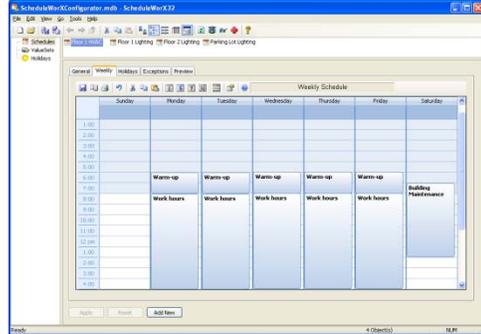
Features	Benefits
Outlook-style Calendar	Easy to use Microsoft Outlook-style calendar for configuring events to manage your resources
GENESIS32 Integration	View schedules in GraphWorX32, WebHMI, and the Unified Data Manager. Browse available schedules in the Tree Explorer ActiveX and activate overrides from GraphWorX32 and WebHMI
Manual Schedule Overrides	Manually change the behavior of schedules by issuing a temporary or permanent override
Week-based Schedules	Allows the user to easily configure events that reoccur every week at specific times.
Holiday Schedules	Define holiday dates which can be used to override behavior for multiple schedules
Exception Schedules	Flexible events that can be one time or recurring to change the behavior of your regular schedule
Value Sets	Powerful lists of OPC or other data sources and associated values which can be sent to the data source at configured times.
Scheduling Runtime	Automatically downloads predefined values to OPC tags or other data sources
Monitor Mode	View live schedule values in ScheduleWorX32
Diagnostic View	Convenient list of information for all schedules
Security	Secure all of the schedule configuration through the ICONICS Security Configurator

ScheduleWorX32 Architecture

ScheduleWorX32 can function as a standalone application, or can be integrated into a GENESIS32 system with multiple I/O Servers and clients. The ScheduleWorX32 application provides all the tools needed for stand-alone applications including easy-to-use configuration, runtime execution and monitoring, and support for over-riding schedules. When used with GENESIS32, ScheduleWorX32 also provides support for remote monitoring of schedules, support for making online changes, and support performing temporary or indefinite overrides of schedules from any GENESIS32 GraphWorX32 operator console. This support includes an easy-to-use tree control for schedule browsing and selection, and a calendar-based view of the selected schedule.
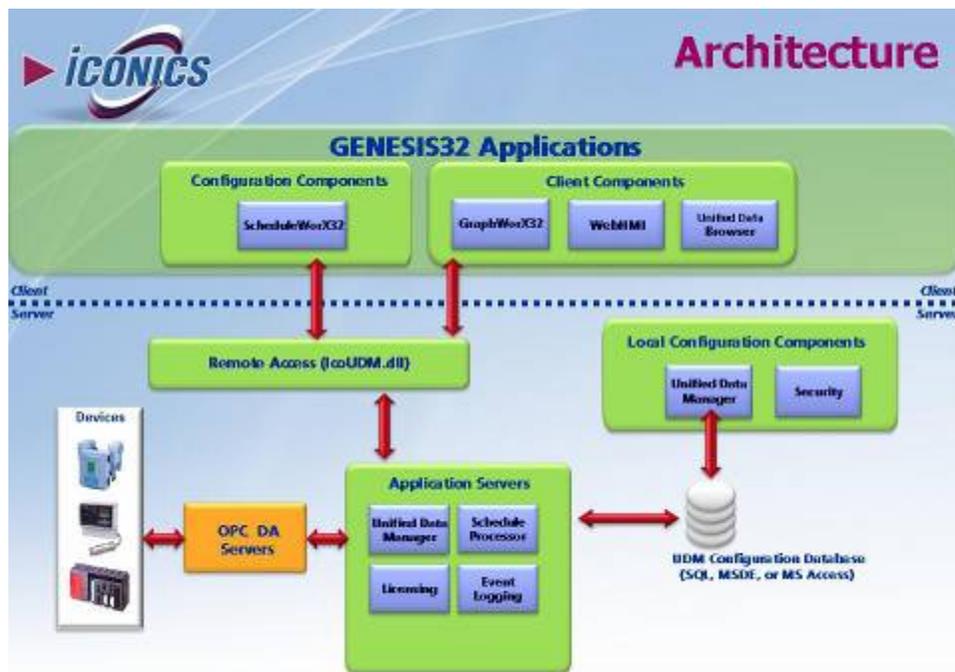
Schedule Configuration

Configuring schedules in ScheduleWorX32 is remarkably simple yet very flexible. For scheduled sequences that are to be repeated daily or weekly, ScheduleWorX32 provides a week-based scheduling tool where you can specify the specific sequence(s) to be executed on each day of a week (i.e. Sunday, Monday, Tuesday, etc.). An easy-to-use and flexible holiday schedule can be added to define exceptions to the weekly schedules that occur on holidays. In addition to holidays, exceptions can be scheduled to take precedence over the weekly and holiday schedules. For the scheduling of exceptions, ScheduleWorX32 provides a powerful yet easy-to-use calendar tool, modeled after the Microsoft Outlook calendar control. People familiar with Outlook will find it easy to create even the most complex schedules with ScheduleWorX32.

Schedule Runtime

The ScheduleWorX32 runtime engine handles all of the evaluation and timing associated with the configured schedules to quickly resolve and download actual values to the data sources. Values will be downloaded when a new event begins or when the system starts up. Informative GenEvent logging messages are generated for each change of state, so that you can keep track of and review important historical information. The runtime engine runs seamlessly and reliably as part of the Unified Data Manager Runtime, which can run as a service.

Live Monitoring

ScheduleWorX32 includes a live monitor view, which allows you to easily track your schedules while they control resources in real-time. The monitor view also provides a convenient way to override an existing schedule for a specified amount of time or indefinitely as a right-click menu option for the selected schedule.

Item ID	Value	Timestamp	Quality	Subquality	Limit	
☑ Floor 1 HVAC	Hot	09/17/07 12:54:52.125	Good	Non-specific	NA	
☑ Floor 1 Lighting	All On	09/17/07 13:11:30.437	Good	Non-specific	NA	
☑ Floor 2 Lighting	Low Power	09/17/07 13:12:59.140	Good	Non-specific	NA	
☑ Parking Lot Lighting		09/17/07 12:26:04.421	Good	Non-specific	NA	

Enable Monitoring
Disable Monitoring

Select All
Invert Selection

Set Override
Clear Override

Override schedule.   1 Object(s) selected

Operating Systems Supported

ScheduleWorX32 fully supports all the Microsoft Windows 32-bit operating systems, including:

- Windows 10 x64 (runs in the 32 bit compatibility mode) [1]
- Windows 10 x86 [1]
- Windows 8.1 x64 (runs in the 32 bit compatibility mode) [2]
- Windows 8.1 x86 [2]
- Windows 8 x64 (runs in the 32 bit compatibility mode) [3]
- Windows 8 x86 [3]
- Windows 7 x64 (runs in the 32 bit compatibility mode) [4]
- Windows 7 x86 [4]
- Windows Server 2012 R2 x64 (runs in the 32 bit compatibility mode)
- Windows Server 2012 x64 (runs in the 32 bit compatibility mode)
- Windows Server 2008 x64 R2 (runs in the 32 bit compatibility mode)
- Windows Server 2008 x64 SP2 (runs in the 32 bit compatibility mode)
- Windows Server 2008 x86 SP2
- Windows Vista x64 SP2 (runs in the 32 bit compatibility mode) [5]
- Windows Vista x86 SP2 [5]
- Windows Server 2003 x86 SP2
- Windows XP Professional x86 SP3

[1] Supported Editions of Windows 10 are Windows 10 Pro and Windows 10 Enterprise Edition. Windows 10 Home are not supported in this release.

[2] Supported Editions of Windows 8.1 are Windows 8.1 Pro and Windows 8.1 Enterprise Edition. Windows RT 8.1 and Windows 8.1 (Standard Edition) are not supported in this release.

[3] Supported Editions of Windows 8 are Windows 8 Pro and Windows 8 Enterprise Edition. Windows RT 8 and Windows 8 (Standard Edition) are not supported in this release.

[4] Supported Editions of Windows 7 are Windows 7 Professional, Ultimate, and Enterprise Edition. Windows 7 Starter and Home Premium Editions are not supported in this release.

[5] Supported Editions of Windows Vista are Windows Vista Business, Ultimate, and Enterprise Edition. Windows Vista Home and Home Premium Editions are not supported in this release.

System Requirements

ScheduleWorX32 requires the following hardware and software components: System requirements may vary based on application size, system performance requirements, and loading factors.

Minimum Hardware and Operating System Requirements:
- 800 MHz Processor (CPU)
- 256 MB Physical Memory (RAM)
- 1 GB Hard Disk space with a minimum of 600 MB on the System Drive
- 8X Speed CD-ROM
- SVGA Video Card; 256 or more colors for best results
- A mouse or other compatible pointing device (such as a trackball or touch screen)
- Microsoft-compatible keyboard
- Microsoft Internet Explorer 6.0 or higher

† 64-bit Operating System Requirements

GENESIS32 requires that any system running a 64-bit operating system use a remote licensing server. In order to accomplish this, you must install ICONICS Software Licensing on a supported 32-bit operating system and then specify that system as the primary licensing server.

Please contact ICONICS Technical Support for further information.

Founded in 1986, ICONICS is an award-winning independent software developer offering real-time visualization, HMI/SCADA, energy, fault detection, manufacturing intelligence, MES and a suite of analytics solutions for operational excellence. ICONICS solutions are installed in 70% of the Fortune 500 companies around the world, helping customers to be more profitable, agile and efficient, to improve quality and be more sustainable.

ICONICS is leading the way in cloud-based solutions with its HMI/SCADA, analytics, mobile and data historian to help its customers embrace the Internet of Things (IoT). ICONICS products are used in manufacturing, building automation, oil & gas, renewable energy, utilities, water/wastewater, pharmaceuticals, automotive and many other industries. ICONICS' advanced visualization, productivity, and sustainability solutions are built on its flagship products: GENESIS64™ HMI/SCADA, Hyper Historian™ plant historian, AnalytiX® solution suite and MobileHMI™ mobile apps. Delivering information anytime, anywhere, ICONICS' solutions scale from the smallest standalone embedded projects to the largest enterprise applications.

ICONICS promotes an international culture of innovation, creativity and excellence in product design, development, technical support, training, sales and consulting services for end users, systems integrators, OEMs and Channel Partners. ICONICS has over 300,000 applications installed in multiple industries worldwide.

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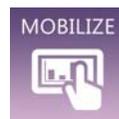Email: australia@iconics.com

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