

Ignition! v7.7: New Feature Preview

Over 40 New Features & Enhancements

Ignition v7.7 is coming soon. Over 40 new features and enhancements along with long-term support make v7.7 a can't-miss upgrade for all Ignition users.

Ignition v7.7 is more powerful than ever before, allowing users to work with the software in new ways and unlock new possibilities. Users will experience a unified platform that is even more flexible, accessible, and secure, and that makes it easier to collaborate and share with more people.

Ignition v7.7 will support groundbreaking new capabilities:



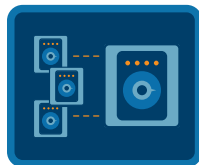
Cloud Templates:

Utilize an extensive Cloud-based template repository from within the Ignition designer. Share templates with the Ignition community or within a private group.



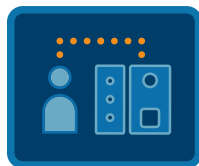
Client Localization:

Translate and display screens in the user's preferred language, to build high-quality, multilingual projects more easily.



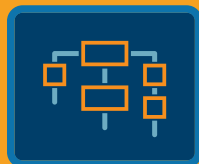
Template Repeater:

Create dynamic windows by repeating templates. This feature gives you more flexibility and speed when developing projects.



Local Client Fallback:

Maintain the connection between local clients and machines even if the connection to the central Ignition server goes down temporarily.



The New Sequential Function Charts (SFC) Module:²

The Ignition SFC Module will work seamlessly with Ignition v7.7. It's a powerful visual editor and script execution engine to streamline the creation, organization, and visualization of robust logic systems.

2. SFC Module sold separately; requires Ignition v7.7

Features¹

- Cloud Templates
- Client Localization
- Template Repeater
- Local Client Fallback
- Sequential Function Charts²
- ControlLogix v21 Support
- Project Versioning & Rollback
- Ad-Hoc Charting
- Tag Event Scripts
- 30+ Additional Features

Supported Operating Systems

- Windows Server 2003 / 2008 / 2012
- Windows XP, Vista, 7 and 8
- Ubuntu Linux 8.04 or later
- Other Java SE enabled OSes³

Supported Databases

- Microsoft® SQL Server
- MySQL
- Oracle
- PostgreSQL

Requirements

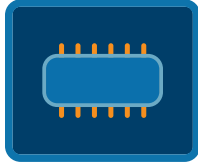
- Java SE 7 (server)
- Java SE 6/7 (client)
- 1024 MB RAM
- 1GB free HD space
- (requirements vary by usage)

1. Product features and release times are subject to change.

2. SFC Module sold separately; requires Ignition v7.7

3. Ignition is compatible with any Java-enabled operating system. Full support is only offered for listed operating systems.

4. Web Browser Module sold separately; requires Ignition v7.7



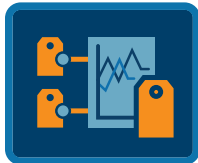
ControlLogix v21 Support:

Ignition v7.7 will support the latest firmware revision for the widely used ControlLogix control system.



Project Versioning & Rollback:

Easily return to a previously saved version of your project (*up to 10 previous versions*).



Tag Browse Tree Component for Ad-Hoc Charting:

Drag SQL tags onto charts, see tag histories, and have greater ability to create the types of charts you want.



Tag Event Scripts:

Write scripts directly on tags, alarm-associated scripts, and shared global scripts.

And over 30 other new features & enhancements:

- Long-Term Support (LTS): Ignition v7.7 will be supported for five years from the date of its original “dot zero” release
- With the Web Browser Module, you can easily embed a web browser into your Ignition project (module sold separately)⁴
- “Async” mode for tag history, which allows storage without historical scan class and allows OPC client to publish sets of data
- Insert-or-update mode for standard transaction groups
- Fine-grained designer security for project resources, tag editing, and saving vs. publishing
- Ability to lock project resources for admin-only editing
- Block and connector system now a generalized API in the SDK
- Client/Gateway script messaging framework
- Ability to define custom scripting functions on Ignition Vision Module components
- IA Labs Scripting Module fully integrated directly into Ignition
- Better client management of redundant connections for faster failover
- Support for third-party Python libraries
- Shared global script modules
- “Project” space scripts that more closely adhere to Python scoping rules than the previous “app” space
- Tag event scripts
- Much faster OPC item import speed
- Python slicing support for datasets
- Historical tag browsing in Designer is now a tree instead of a list
- `hasRole()` function in the expression language
- Ability to specify string values for tick markers in charts
- Extension function for overriding chart X-Trace label
- Ability to hide pen selection on a per-pen basis on the easy chart
- Added `system.db.runScalarPrepQuery()`
- Ability to specify the character encoding for `system.file.readFileAsString()`
- Added `system.dataset.deleteRows()`
- Improved management of on-call rosters for large numbers of contacts
- Ability to filter tag change scripts to just value, quality, or time changes
- Schedules now an extension point in the SDK
- Ability to specify percent-change deadbands for tags (core, historical, and alarming values)
- Option to start non-maximized clients automatically in center of the screen
- Ability to force redundancy failover from master to backup
- Ability to force a full redundancy configuration sync
- `print()` function available on alarm status and alarm journal tables
- Ability to specify which axis takes precedence for docked windows
- Pretty-print support for `system.util.jsonEncode`



To learn more about Ignition v7.7, please contact an account rep at: **800.266.7798, ext. 247**