
ERP TECH

SUMMIT 2024

MFGStream Platform

What's New!

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Innovative Consulting Group

www.ICGTechnology.com

Agenda



Introduction



ICG's Approach & Value We Deliver



Overview of MFGStream



What's New with MFGStream

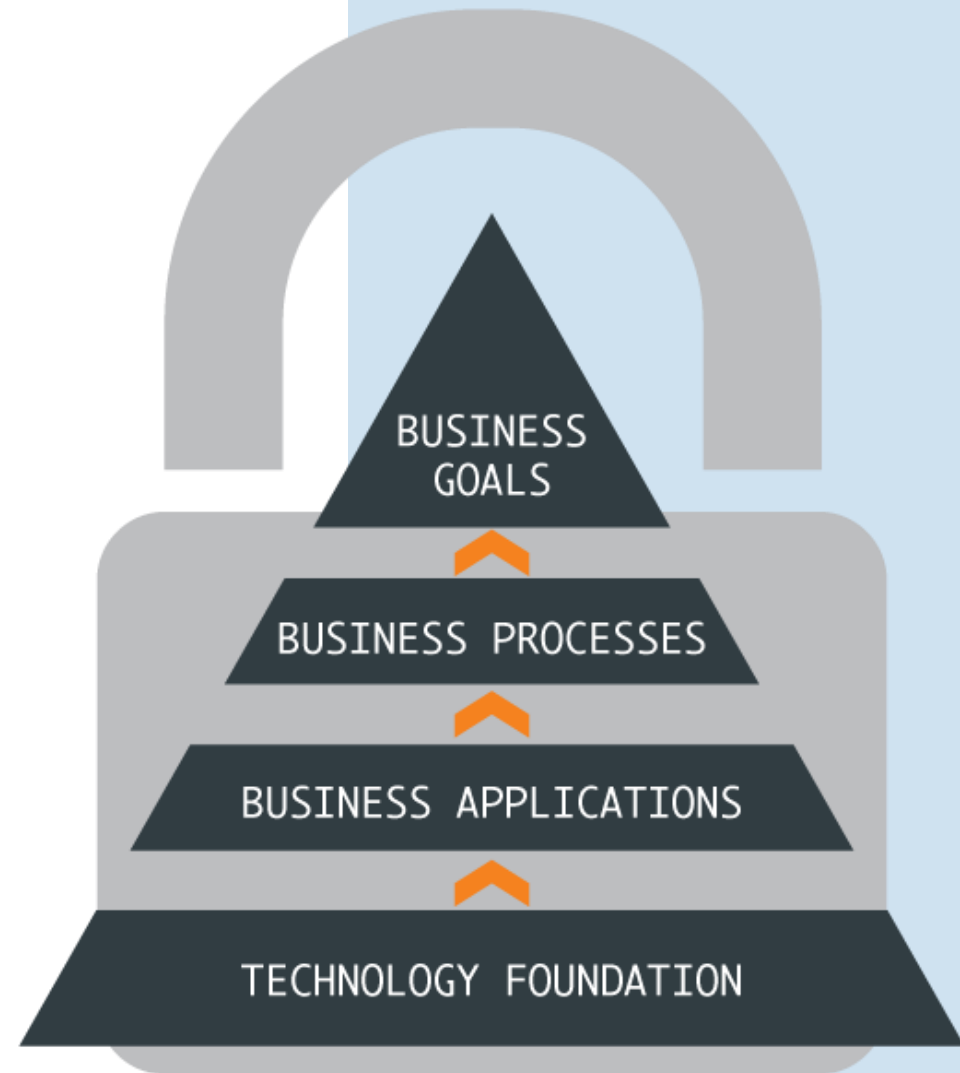


Discussion & Next Steps

The ICG Approach

A solid **technology foundation** delivers your **business applications** when and where you need them. These two combined implement your unique **business processes**, allowing you to reach your **goals**.

ICG is a process-driven business technology company that ensures your IT platform securely delivers your applications and processes whenever and wherever you need them.



O U R M I S S I O N :



Deliver innovative and reliable business and technology solutions that exceed our client's expectations, resulting in reduced cost, improved efficiency, and a guaranteed ROI.



O U R V I S I O N :



Enable enterprises of all sizes to leverage technology for business growth and success.



Value We Deliver

ERP SOLUTIONS

One-Stop Shop for Fourth Shift, VISUAL, Acumatica

- Sell ERP
- Cloud Hosting
- Implementation
- Optimization
- ERP Upgrades
- Training
- Develop/Customization
- And More!

ICG is uniquely qualified with both IT and ERP under one roof!



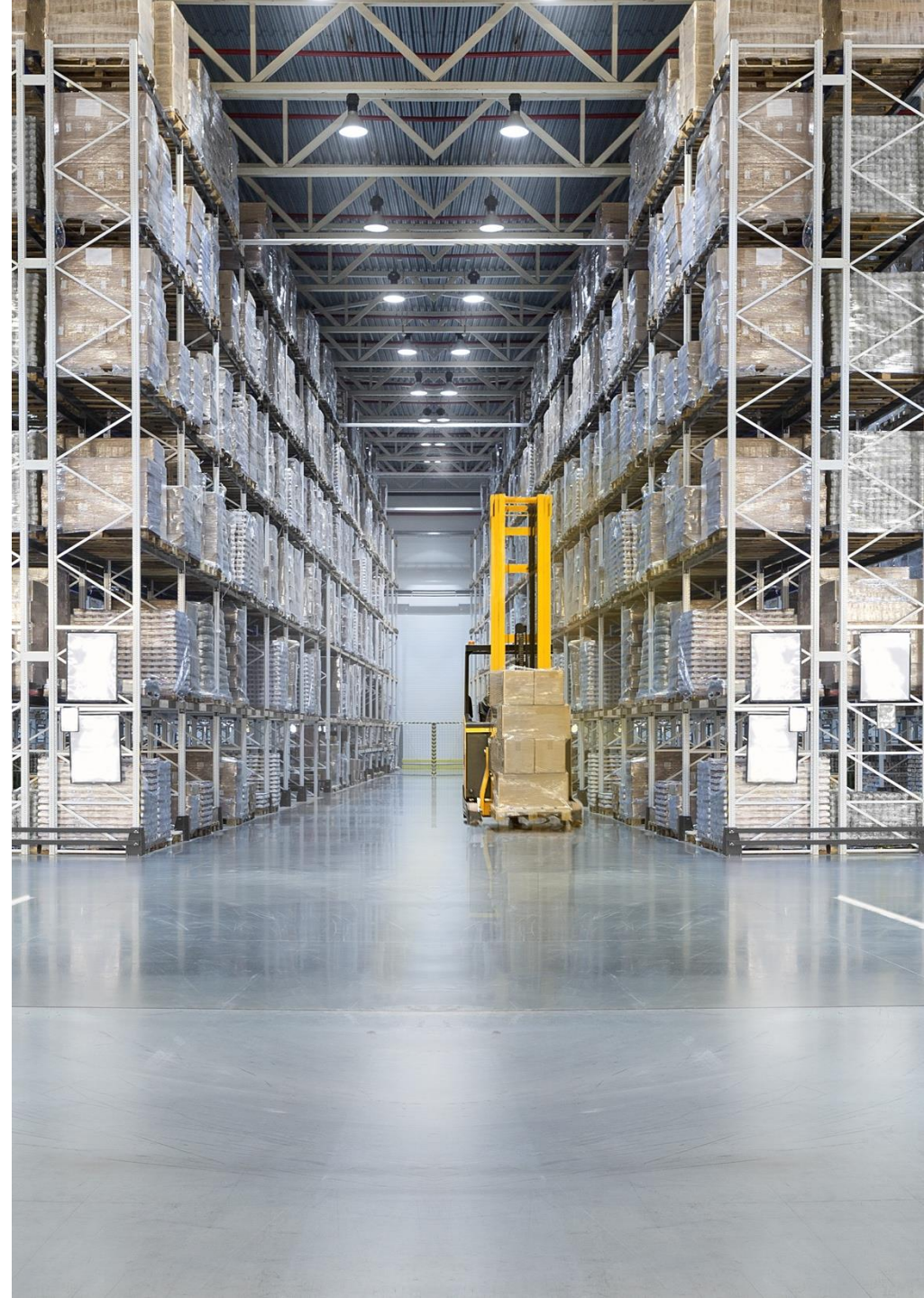
IT SERVICES

We Architect & Implement Strategic IT Solutions:

- Managed Services
- Technical Support
- Cybersecurity
- Cloud Infrastructure
- Data Center Infrastructure
- Virtual Desktop Infrastructure
- TSR and Health Checks
- And More!

What is MFGStream?

- Customization Platform
 - ERP Agnostic
 - VBA Scripting
- Data Collection
 - Real-Time Point-of-Use
 - VisiBar Compatibility
- Automation
 - Event-Based Triggers
- Printing and Scanning
 - 1D and 2D Barcodes, RFID
 - Labels and Documents
- Actively Supported and Enhanced



Data Collection

- Real-Time Transactions, Directly From the Shop Floor
- Simplified Prompt-Based Workflow
- Scan Barcodes, Prints Labels
 - Mobile Scanner, Tablets, PCs
 - Label Printers, Document Printers, Display Boards
- Device and ERP Agnostic
- Fully Customizable Scripts
- Base Fourth Shift Scripts
 - PORV, MORV, PICK, IMTR, SSII, SSIL
- Optional VisiBar Compatibility Layer



Automation

- Event and Time-Based Triggers
 - ERP Transactions
 - Files, Email, External API
- Common Scripting Language
 - Share Code with Data Collection (Common Libraries, Functions)
- Common Actions Include ...
 - Create an ERP Transaction
 - Send an E-mail
 - Print a Document
 - Write to a File, Database, API





New Features

What's New – HTML Prompts

- Traditionally, prompts are plain text
- Now, standard HTML can be used
- Sample Capabilities:
 - **Links; send input, open new tabs**
 - **Formatting; red, green, bold, underline**
 - Images; errors, warnings, part pictures
- Sample Use Cases/Benefits:
 - **Touch screen user input**
 - Include pictures of parts, icons
 - Display and integrate with work instructions, part prints, other documents, external sites
 - **Highlight errors, warnings, important details**

*Main Menu

- 1) [Shipping/Receiving](#)
- 2) [Production](#)
- 3) [Material Handling](#)
- 4) [Utilities](#)
- 5) [Logout](#)

Option #:

Next Prev Back

Send

*** ERROR ***

Invalid Item Number

1235234

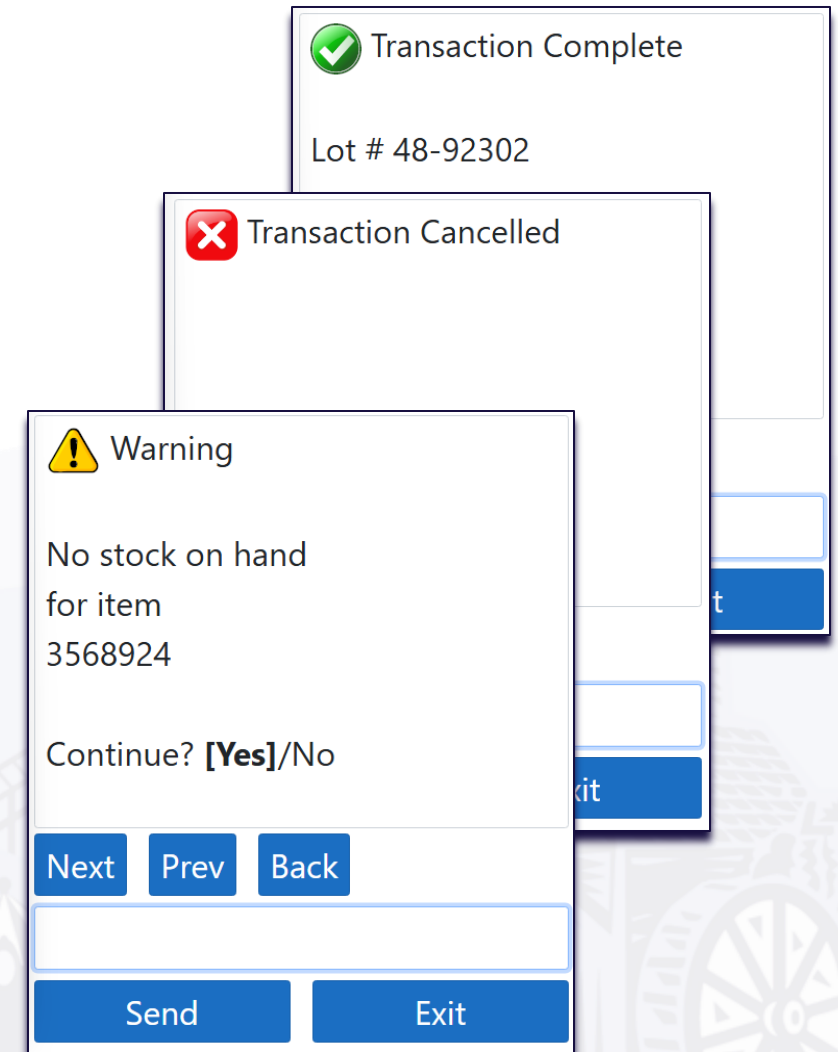
Press Enter to Continue

Next Prev Back

Send Exit


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 Visual Inspection
235464 BICYCLE FORK



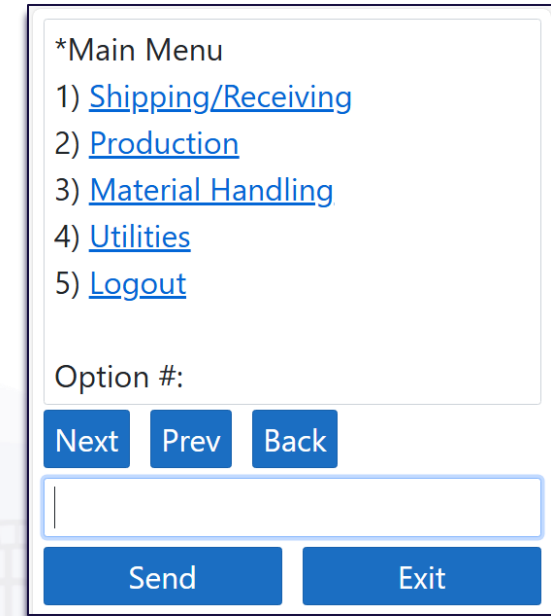
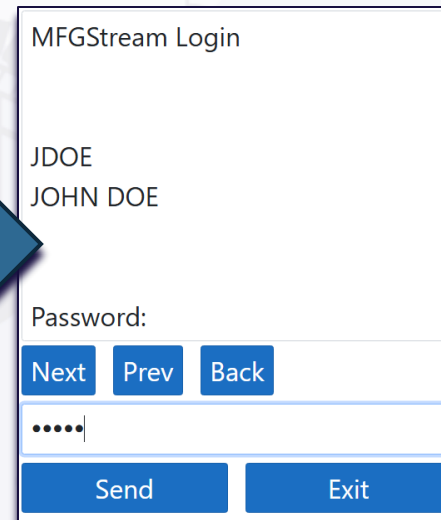
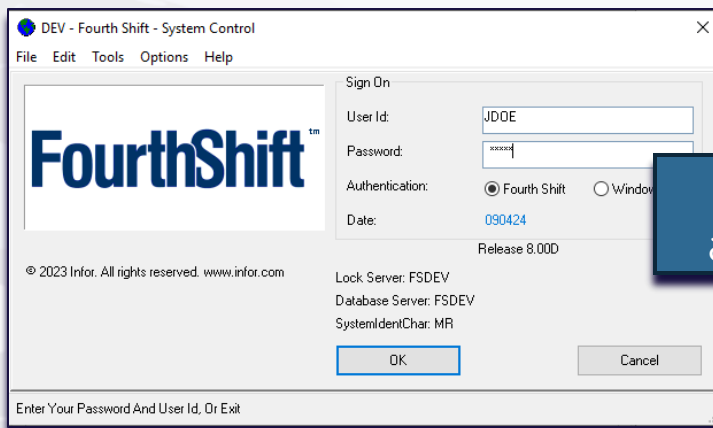
Part Looks OK? **[Yes]**/No

[Next](#) [Prev](#) [Back](#)

[Send](#) [Exit](#)

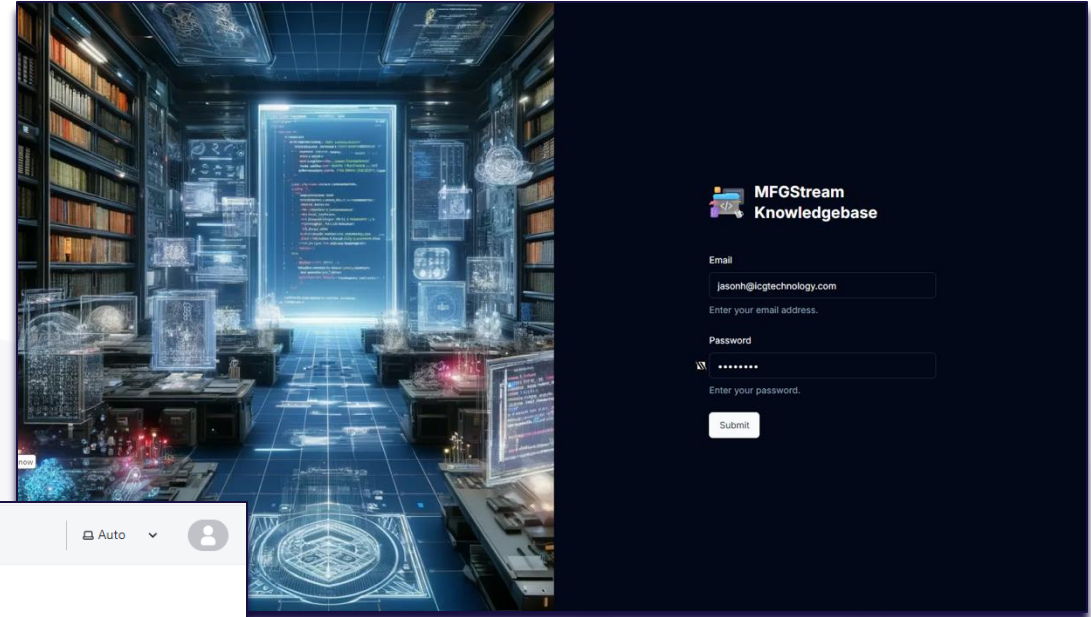
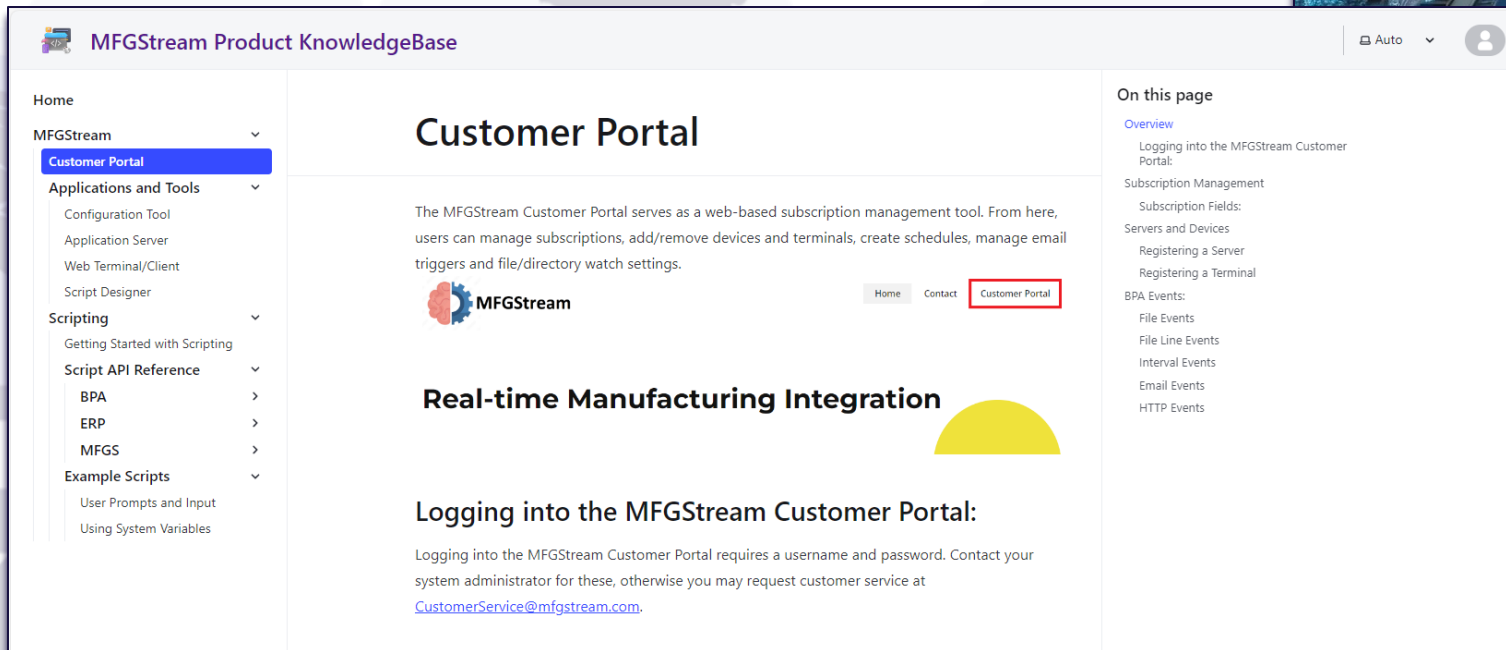
What's New – Base Script Improvements

- User Management Script
- FS PASS integration
 - Use existing FS user accounts and permissions
 - Co-exist with MFGStream accounts
- Touchscreen menu prompts
- Miscellaneous bug fixes across all scripts



What's New – Online Documentation

- General system documentation
- Supplements built-in Designer help
- Function references and examples
- Release notes and installer download
- Invitations sent via e-mail

The screenshot shows the MFGStream Product KnowledgeBase Customer Portal. The page title is "Customer Portal". The main content area contains the following text:

The MFGStream Customer Portal serves as a web-based subscription management tool. From here, users can manage subscriptions, add/remove devices and terminals, create schedules, manage email triggers and file/directory watch settings.

Real-time Manufacturing Integration

Logging into the MFGStream Customer Portal:

Logging into the MFGStream Customer Portal requires a username and password. Contact your system administrator for these, otherwise you may request customer service at CustomerService@mfgstream.com.

The left sidebar contains a navigation menu with the following items:

- Home
- MFGStream
 - Customer Portal
- Applications and Tools
 - Configuration Tool
 - Application Server
 - Web Terminal/Client
 - Script Designer
- Scripting
 - Getting Started with Scripting
 - Script API Reference
 - BPA
 - ERP
 - MFGS
 - Example Scripts
 - User Prompts and Input
 - Using System Variables

The right sidebar contains a "On this page" section with the following items:

- Overview
 - Logging into the MFGStream Customer Portal:
- Subscription Management
 - Subscription Fields:
- Servers and Devices
 - Registering a Server
 - Registering a Terminal
- BPA Events:
 - File Events
 - File Line Events
 - Interval Events
 - Email Events
 - HTTP Events



Home

MFGStream

Customer Portal

Applications and Tools

Scripting

Change Log Archive

Change Log Archive

Latest Official Release: 1.1.7.0

General UI Fixes and Improvements:

- Added more detail to SmtpSend error message when testing the Smtplib client configuration settings

1.1.19.0

Legacy Script Compatibility Enhancements and Fixes:

- Added ScheduleIntervalSeconds setting to Legacy Script config. Default is 60 Seconds.

On this page

[Overview](#)

Latest Official Release: 1.1.7.0

General UI Fixes and Improvements:

1.1.19.0

Legacy Script Compatibility Enhancements and Fixes:

1.1.18.0

Minor Performance Enhancements:

Error Handling and Logging Improvements:

1.1.17.0

Legacy Script Compatibility Enhancements and Fixes:

Error Handling and Logging Improvements:

1.1.16.0

Legacy Script Compatibility Enhancements and Fixes:

WW/VB6 Script Engine Enhancements and Fixes:

1.1.15.0

Legacy Script Compatibility Enhancements and Fixes:

Error Handling and Logging Improvements:

1.1.14.0

Legacy Script Compatibility Enhancements and Fixes:

1.1.13.0

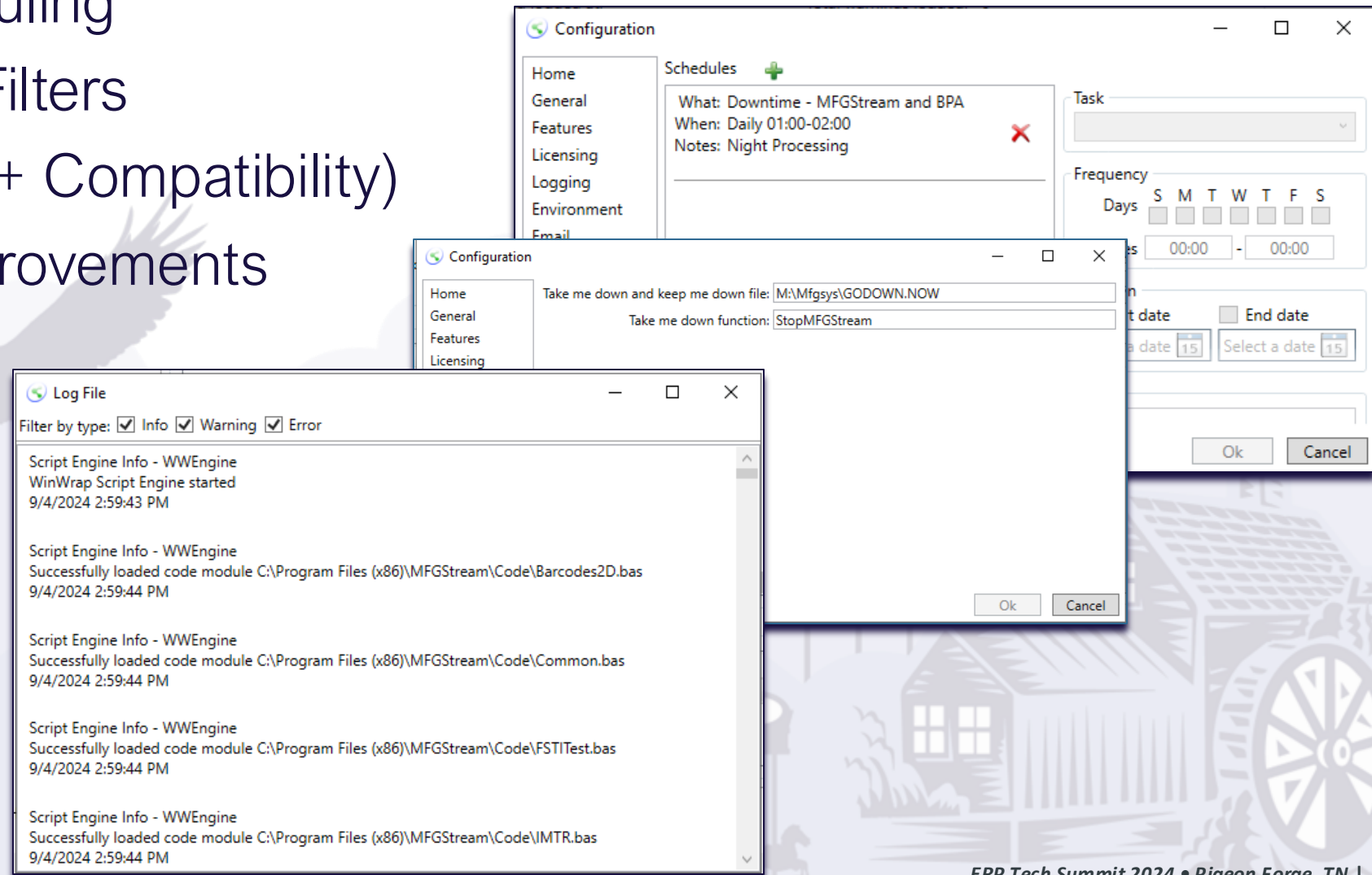
Legacy Script Compatibility Enhancements and Fixes:

1.1.12.0



What's New – Administrator Features

- Downtime Scheduling
- Logging Screen Filters
- .NET 8 (Security + Compatibility)
- Performance Improvements



What's New – Developer Features

Various new functions and standardizations

Improved developer experience = faster and simpler customizations

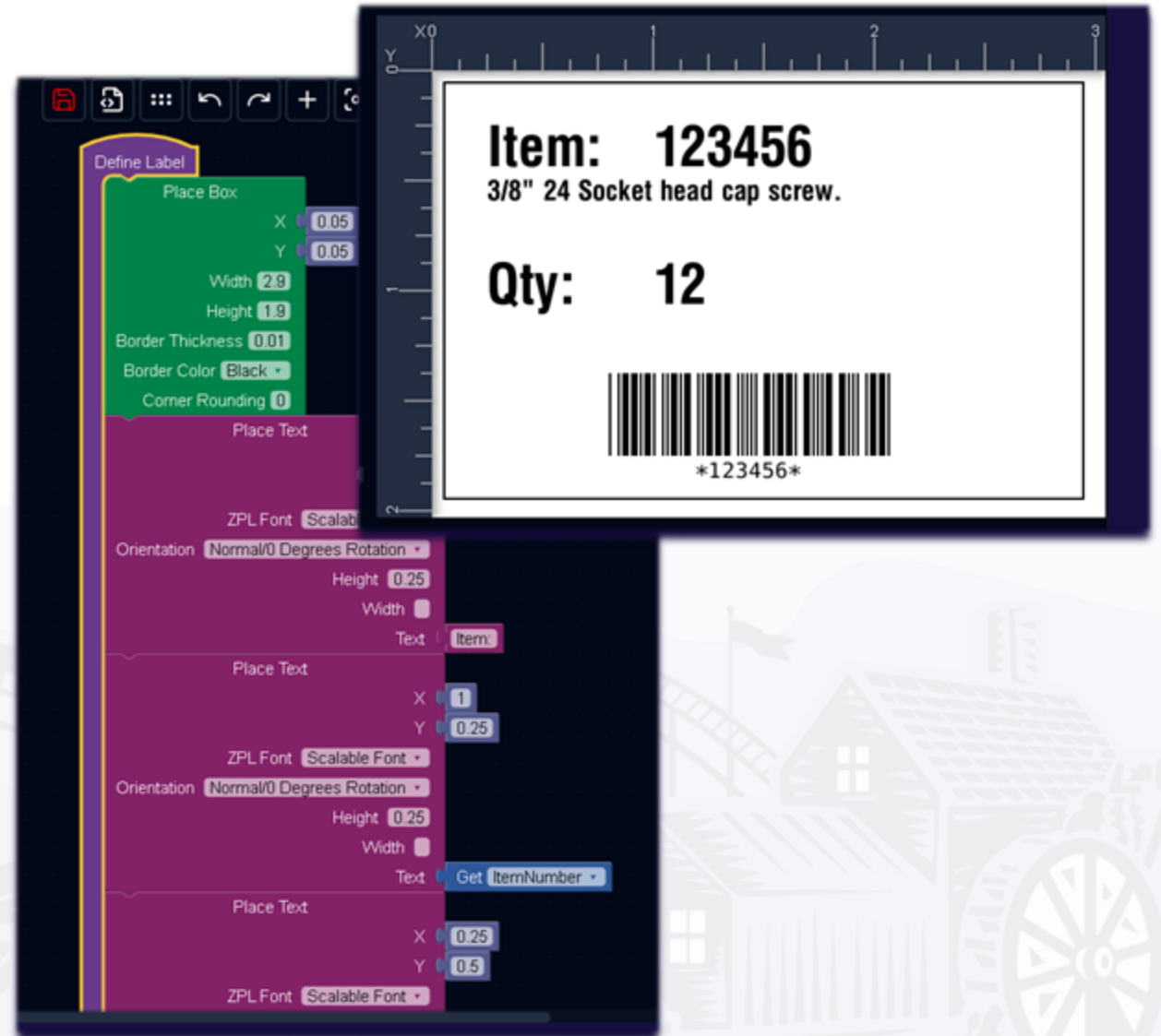
- Standardized 2D barcode and printer selection functions:
 - Parse2DString(), BC2DString(), GetPrinter(), SetPrinter(), PrintLabel()
- ListPrompt() function for multi-line selections (similar to VB's ADVGET)
- Environment Variable Categories
- BPA Line Watcher multi-line events
- Support for arrays in MFGS.Terminal.Prompt() parameters
- MFGS.Terminal.Get() default return value
- MFGS_Session_Close() function
- Offset parameter for MFGS.Misc.Array()
- IMFGSOrderedDictionary – easier to use than VBA arrays
- MFGS.Printing.SendToPrinter() parameter for # of copies – improves speed



New Modules

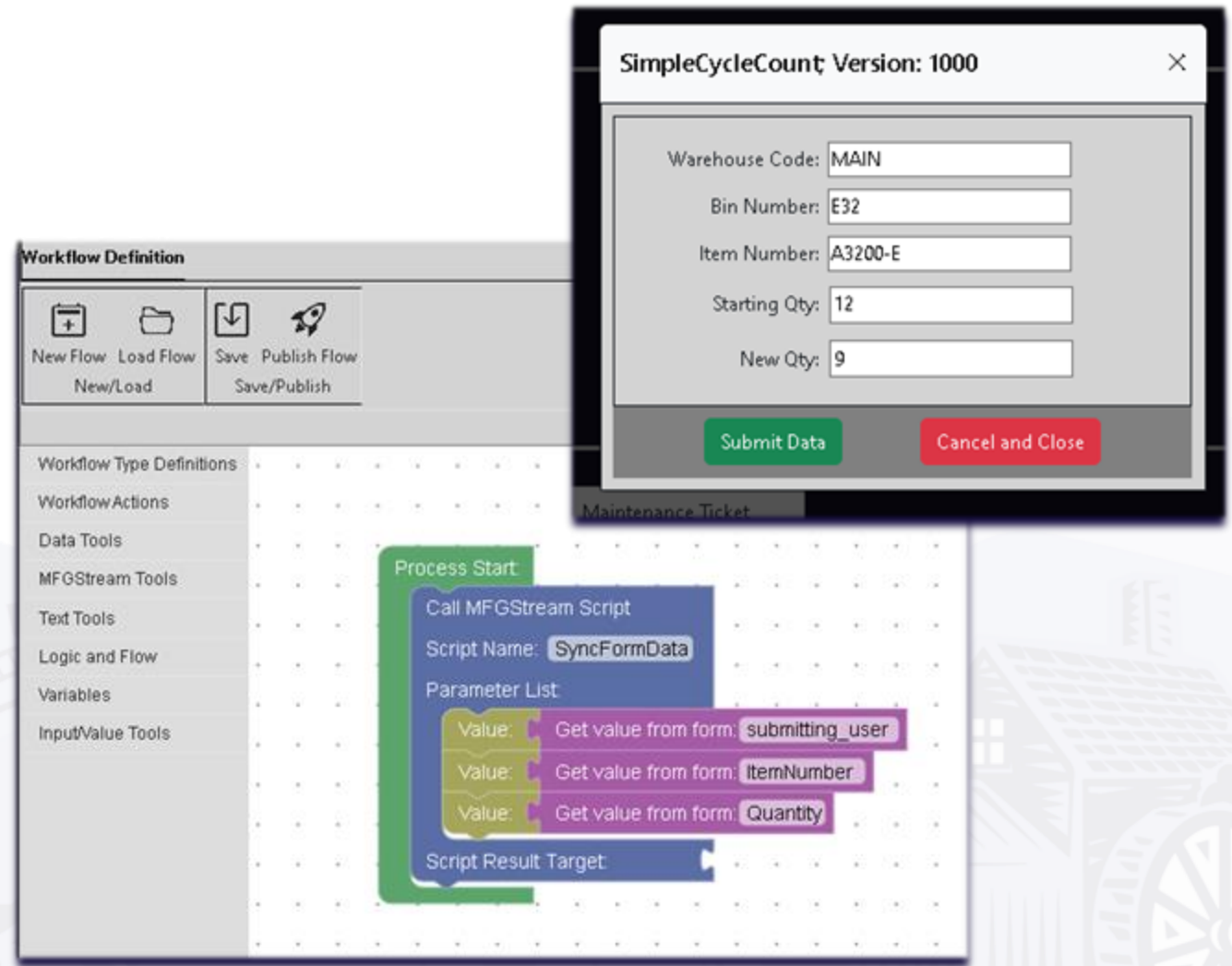
MFGLabels Module

- Simplified label design experience
- Centralized storage of labels
 - Avoid lost labels
 - Consistency between sites/servers
- Cleaner, faster ZPL code
- Licensing compliance
 - BarTender Licensing
 - Label Matrix T&C
- Available as an Additional Module with MFGStream, or standalone web service



MFGForms Module

- Multi-text box input
- Complex data entry
- Integrate with existing MFGStream scripts/logic
- Available as an Additional Module with MFGStream, or standalone with Microsoft Power Automate



The image displays two overlapping screenshots from the MFGForms Module. The background screenshot shows the 'Workflow Definition' interface with a sidebar on the left containing categories like 'Workflow Type Definitions', 'WorkflowActions', 'Data Tools', 'MFGStream Tools', 'Text Tools', 'Logic and Flow', 'Variables', and 'InputValue Tools'. The main workspace shows a 'Process Start' block containing a 'Call MFGStream Script' block with the following configuration:

- Script Name: SyncFormData
- Parameter List:
 - Value: Get value from form: submitting_user
 - Value: Get value from form: ItemNumber
 - Value: Get value from form: Quantity
- Script Result Target

The foreground screenshot shows a 'SimpleCycleCount; Version: 1000' dialog box with the following input fields:

- Warehouse Code: MAIN
- Bin Number: E32
- Item Number: A3200-E
- Starting Qty: 12
- New Qty: 9

At the bottom of the dialog are two buttons: 'Submit Data' (green) and 'Cancel and Close' (red).

MFGForms Module

- Multi-text box input
- Complex data entry
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The image displays two screenshots of the MFGForms Module interface. The top screenshot is titled "Maintenance Ticket; Version: 1000" and contains the following fields: "Submitted By:" with the value "dmiller", "Equipment:" with the value "Press Break #1", and "Issue Description:" with the text "Machine seems to be stuck in the down position. Screen displays error code 1234." Below the description is a "Machine Down:" checkbox which is checked. At the bottom are "Submit Data" and "Cancel and Close" buttons. The bottom screenshot is titled "Timeclock; Version: 1000" and contains: "Employee ID:" with the value "123456", "Shift:" with radio buttons for "First Shift", "Second Shift" (selected), and "Third Shift", "Date:" with the value "09/09/2024", "Time:" with the value "03:04 PM", and "Clock In/Out:" with radio buttons for "Clock In" (selected) and "Clock Out". It also features "Submit Data" and "Cancel and Close" buttons at the bottom.



Questions & Answers



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Thank You!