

Take a JAAB at Add-In Building: Using GitHub Actions to Streamline Deployment of JMP Tools

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Overview

As the utilization of JSL continues to expand, there arises an increasing demand for nuanced control and enhanced maintenance capabilities.

Previously, limited options were available that could effectively integrate version control and the streamlined deployment of JMP Add-Ins.

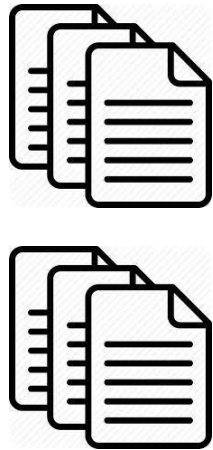
Enter Project JAAB (Just Another Add-In Builder)!



... a cutting-edge initiative leveraging the power of GitHub actions. This innovative approach enables the seamless packaging and deployment of add-ins, adapting dynamically to cater to the diverse requirements of JSL coders everywhere.

In the beginning Add-In Manager Changed the Game

Local Files /
Source Control



Export to Folder



Add-In Name	Add-In ID
Table Attributes	com.jmp.juchil.tableattributes
My JMP Add-In	com.jmp.myjmpaddin
Word Import Tool	com.jmp.juchil.wordimporttool
Add-In Manager	com.jmp.juchil.addinmanager
Contact JMP Technical Support	com.jmp.juchil.contactjmp

General Info | Menu Items | Files | Archive

Definition | Custom Metadata

Add-In Name: My JMP Add-In
Add-In ID: com.jmp.myjmpaddin
Version: 1
Minimum JMP Version: 13
Maximum JMP Version: [dropdown]
Supported Host: Both

Folder Locations:

Environment	Add-In Source Folder	Add-In Destination Folder	Output File Path	Archive Folder
DEV	C:\Public\Add-ins\My JMP Add-In\My JMP Add-In Source\	C:\Public\Add-ins\My JMP Add-In\	C:\Public\Add-ins\My JMP Add-In\My JMP Add-In.jmpaddin	C:\Public\Add-ins\My JMP Add-In\Archive\
TEST				
PROD				



Packaged .jmpaddin



Version Archival

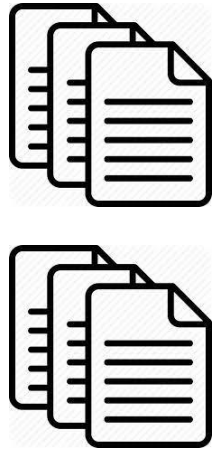


Network Deployment

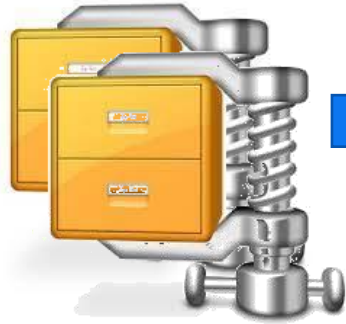
Folder locations
Custom Meta Data
Published Addin List

Complications of the cloud...

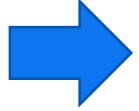
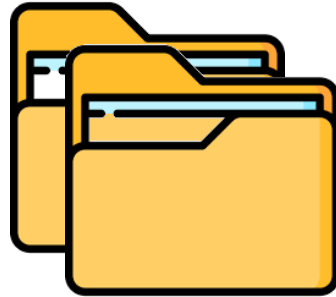
Cloud Files /
Source Control
(GitHub)



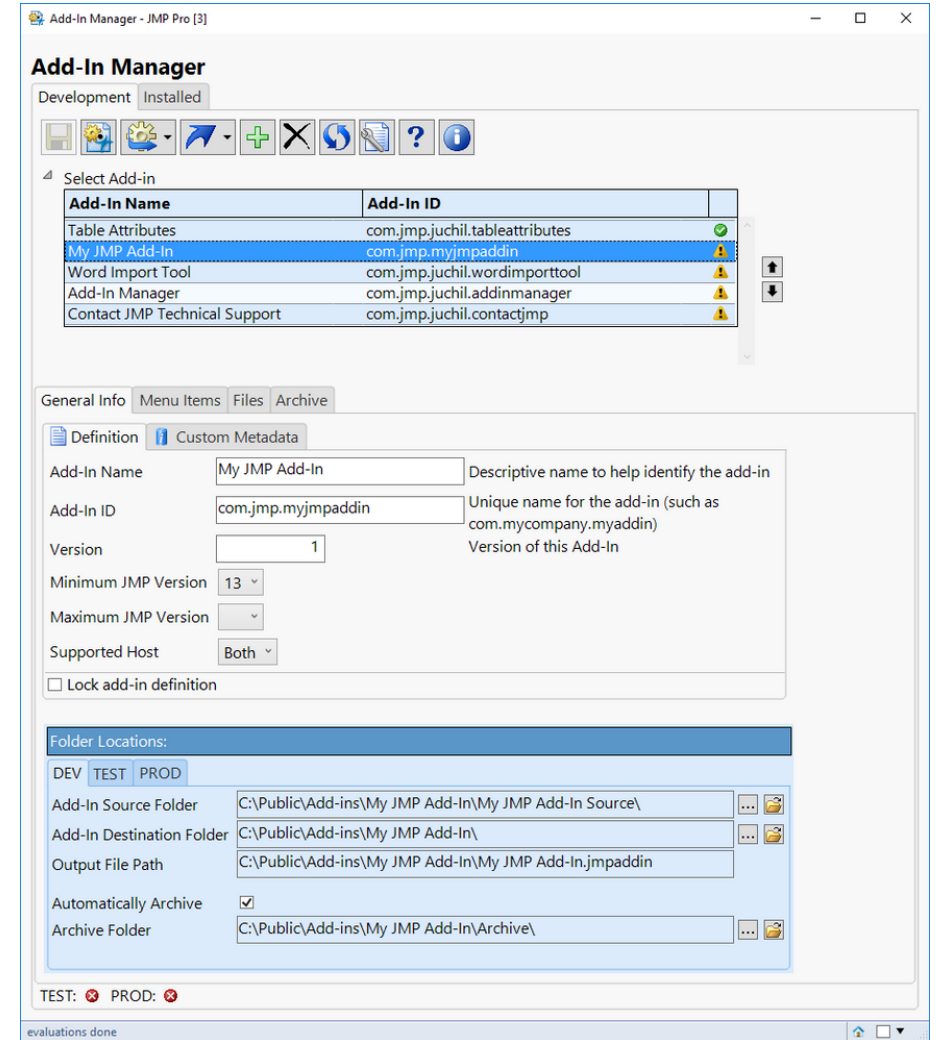
Download Code



Extract Files



Delete
Excessive
Files



Best of all worlds: The Goals of Project JAAB

- + Action triggered with new release
- + Packages repository code into .jmpaddin file
- + Packages the .jmpaddin with files from separate repositories if desired
- + Uploads the .jmpaddin file as an asset to the main repository
- + Automatically names .jmpaddin file including version only when desired

Examples:

addinName.jmpaddin

addinName_v3.4.0.jmpaddin

addinName_v3.4.0-Beta2.jmpaddin

- + Deploys the .jmpaddin file into a folder structure which supports existing local workflows based on released version
 - + PROD releases go somewhere different than TEST releases

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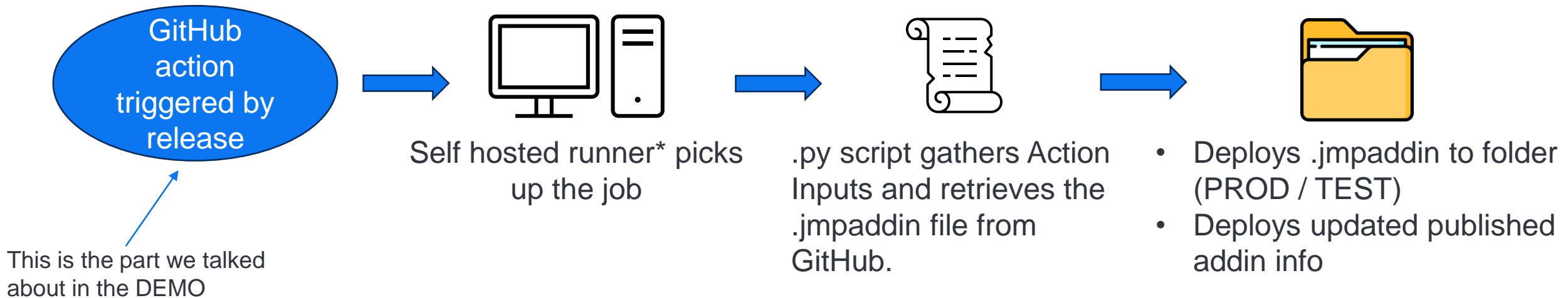
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DEMO

The addin is built.. How do you deploy it?

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Our deployment strategy is highly unique to the specific IDEXX infrastructure that we have in place today and will likely evolve over time. But the synopsis goes like this:



Useful Links

Description	Link
Repo used for demo on “daily-affirmations” addin	https://github.com/sage-darling/daily-affirmations
Repo for the Project-JAAB action used for the demo that is available for your use	https://github.com/sage-darling/Project-JAAB
Project-JAAB action in the GitHub Marketplace	https://github.com/marketplace/actions/project-jaab
How to set up a security token for private repos	https://docs.github.com/en/authentication/keeping-your-account-and-data-secure/managing-your-personal-access-tokens
How to set up a self-hosted runner	https://docs.github.com/en/actions/hosting-your-own-runners/managing-self-hosted-runners/about-self-hosted-runners
JMP Built in Icons	https://community.jmp.com/t5/JMP-Add-Ins/Built-In-JMP-Icons/ta-p/42251
Add-In Manager	https://community.jmp.com/t5/JMP-Add-Ins/Add-In-Manager/ta-p/43736



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- + JMP Community: [@nathan-clark](#)





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