

Extensibility & Add-ons John Garramone

Product Manager

Seeq



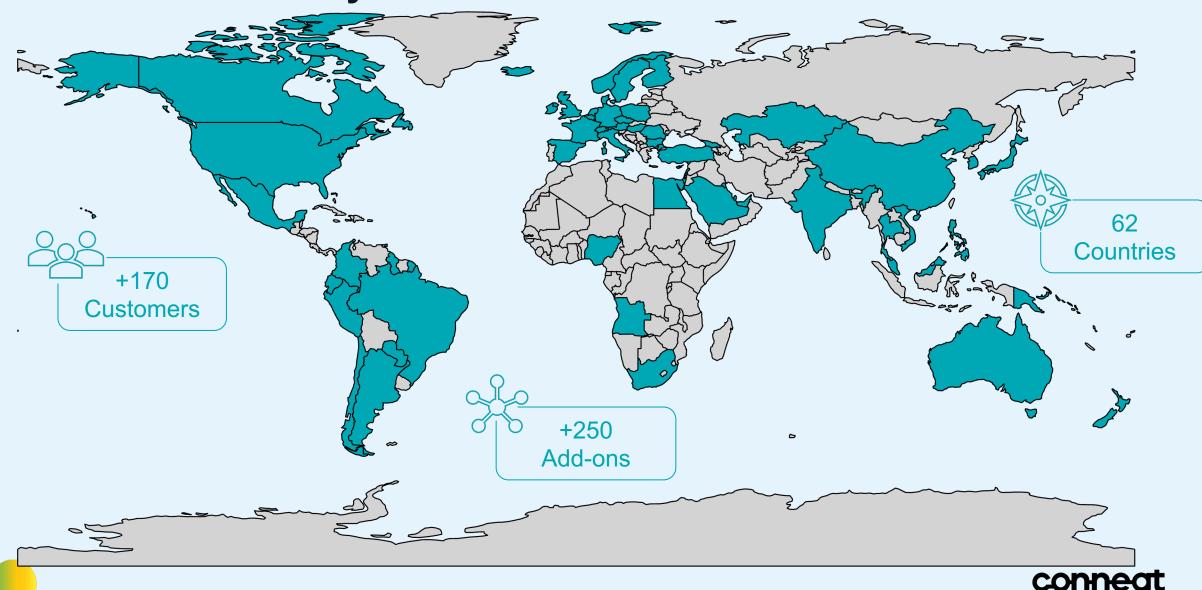
Extensibility



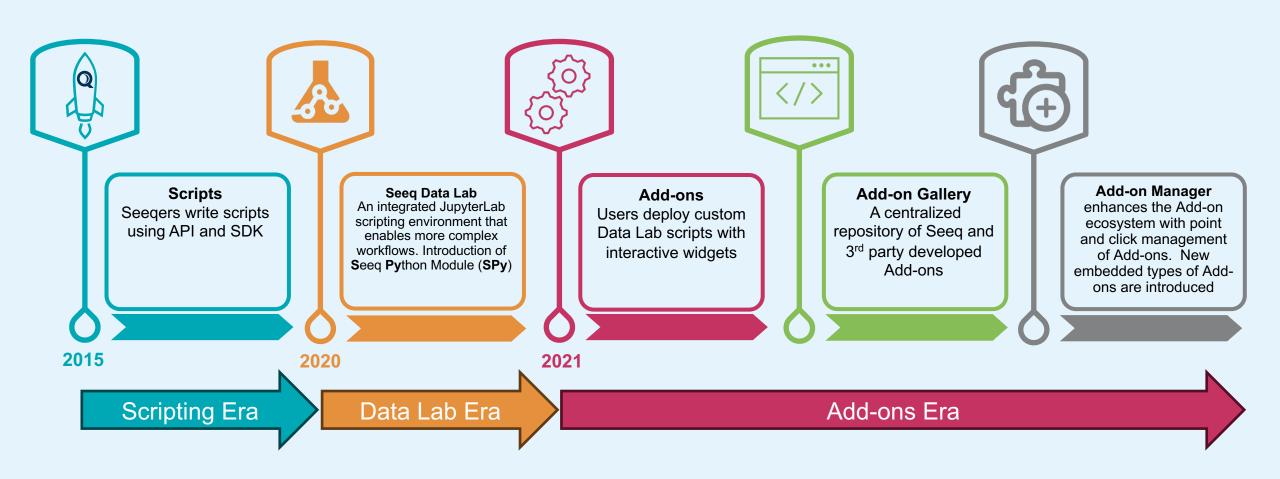
Add-ons



Add-ons Are Everywhere



The Eras Tour (Seeq's Version)





Add-ons – Frontend + Data Lab Functions Backend







Frontend

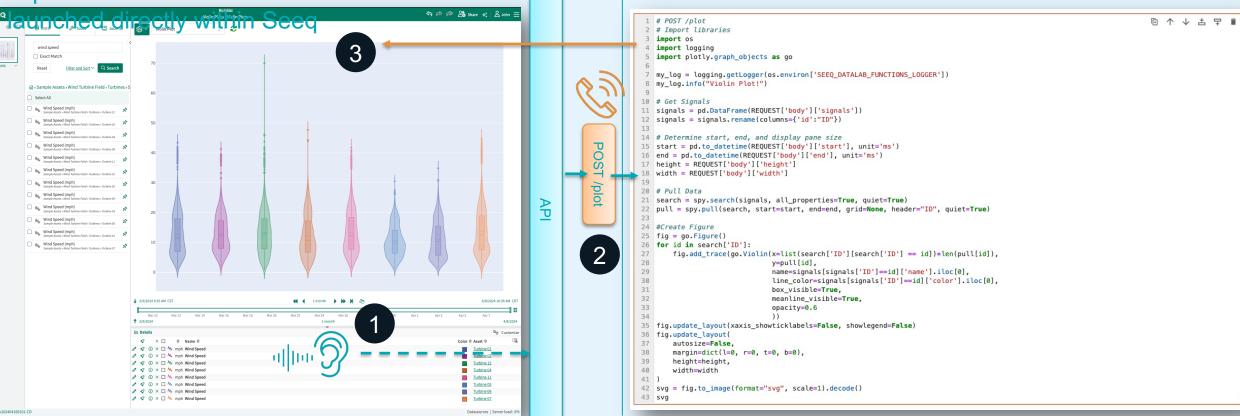
Reactive, immersive, and custom user experience built with frontend frameworks and





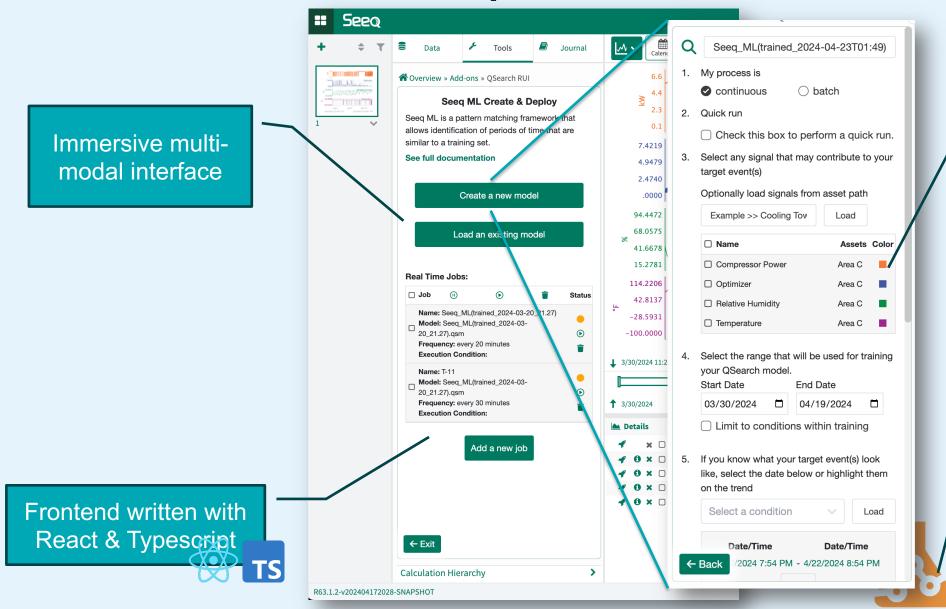
Backend

Data Lab Functions turn any Notebook cells into an API er





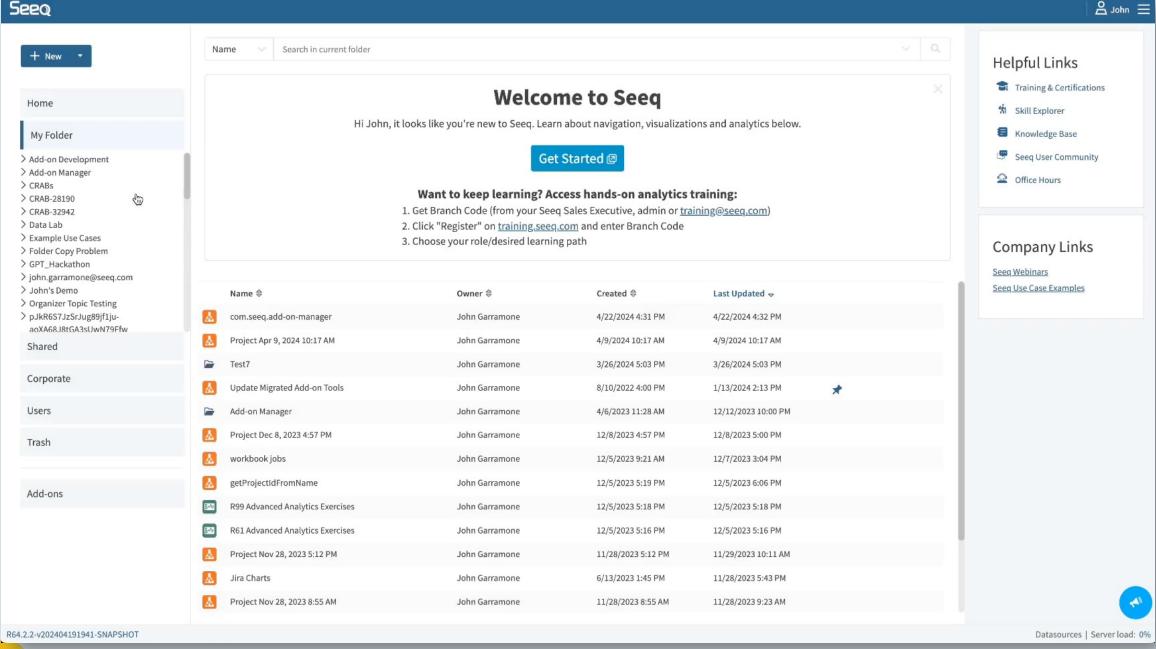
Tool Pane Add-on: Seeq ML in Process Health Solution



Interactive user experience

Backend powered by Seeq Data Lab





Home Screen Add-on: Use Case Selector



Updates



Multiple Python Version in Data Lab





- Supporting multiple Python versions allows users to choose the one that best suits their project requirements.
- Knowing the next default version in advance allows you to upgrade your Add-ons on your schedule



Security

- Regularly updating Python versions ensures access to security patches and bug fixes.
- Older Python versions may have vulnerabilities that can be mitigated by using newer releases.



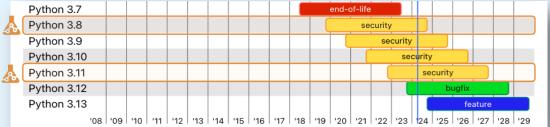
Features

- Each Python release introduces enhancements, libraries, and language features.
- Offering multiple versions allows developers to leverage the latest capabilities.



Performance

- Newer Python versions often include performance improvements, optimizing execution speed.
- Developers can choose the version that aligns with their performance needs.



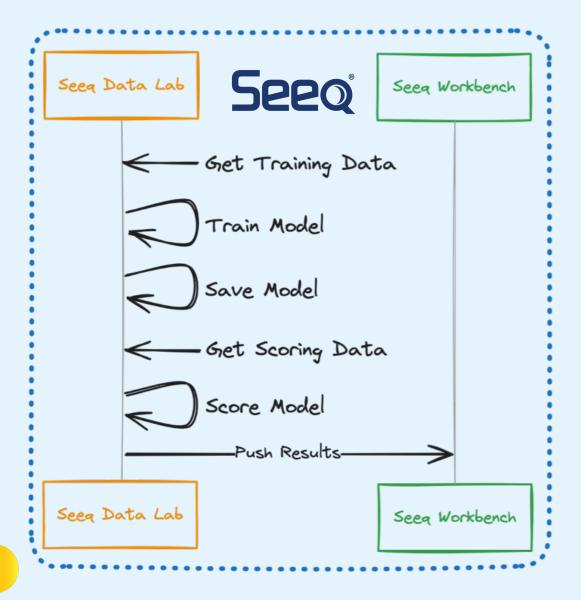




https://devguide.python.org/versions/



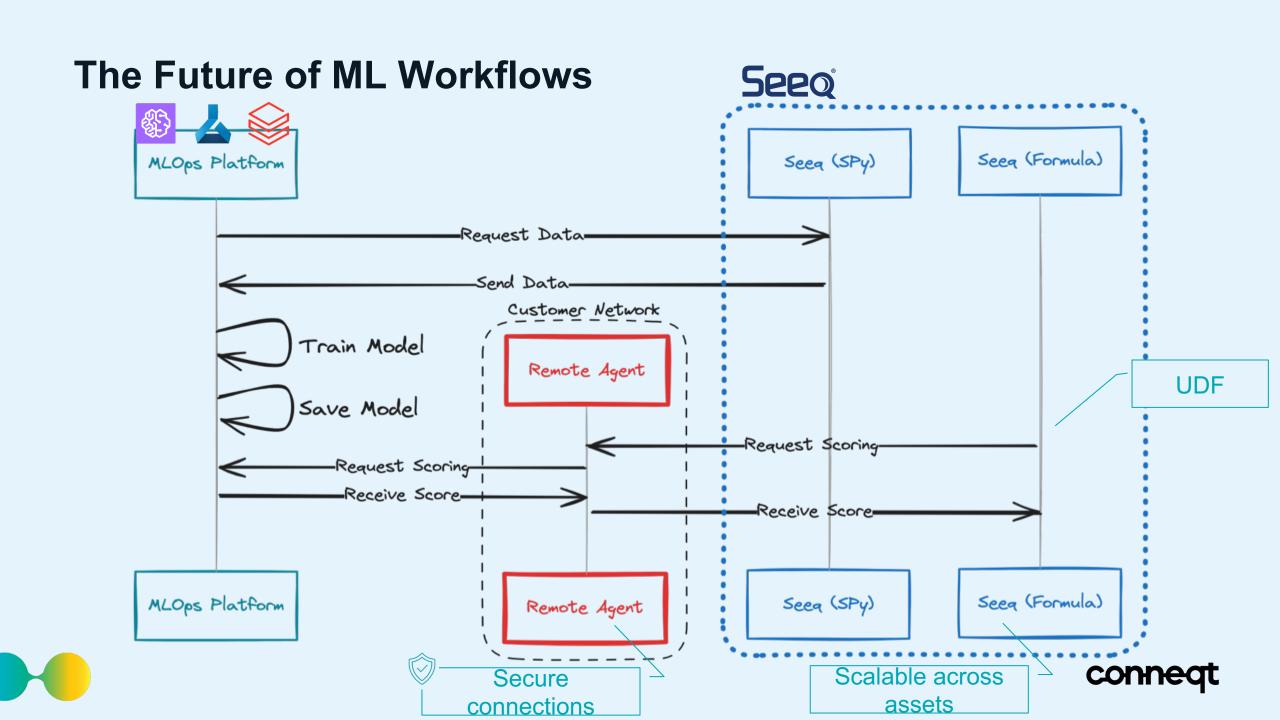
Current ML Workflow Challenges



Challenges

- Resource Constrained
 - Limited to Data Lab resource configurations
- Difficult to scale
 - Scaling across assets requires code changes
- Limited MLOps Capabilities
 - Does not utilize 3rd party platforms





Questions?

