



Building an SCE that Users Want to Use

SPACE - A hybrid SCE



Statistical Programming
And
Computing Environment

AGENDA



Introductions



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Overview



Solution
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Q&A

Introductions



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What is SPACE?

SPACE is the cloud based GxP compliance **Statistical Programming And Computing Environment** for generating statistical analysis for submission.

Why SPACE?

SPACE enables Statistical programmers and Statisticians to work globally together in one environment where they can run statistical analysis using multiple analytical platforms (e.g. SAS, R, Python etc.).

It is qualified environment that meets regulatory needs for clinical study analysis submission

It creates a user experience they ENJOY using!



03 Proposed Solution

- Custom build web-based cloud solution
- Focus on user experience and intuitive workflow
- Support for closed and open-source frameworks (e.g., SAS, R, Python etc.)
- Easily scalable for running complex or time intensive jobs (SAS and R Grids)

01 Problem Statement

- Too many disconnected environments
- Outdated technology and user experience

04 Next Steps

Janssen and d-wise partnered with key internal stakeholder to:

- Define and iterate user experience
- Build solution in agile framework
- Deploy, test, and validate within Janssen's AWS VPC
- Production roll out March 2021

02 Opportunity

- Understand user needs
- Leverage cloud capabilities
- Support multiple analytical engines



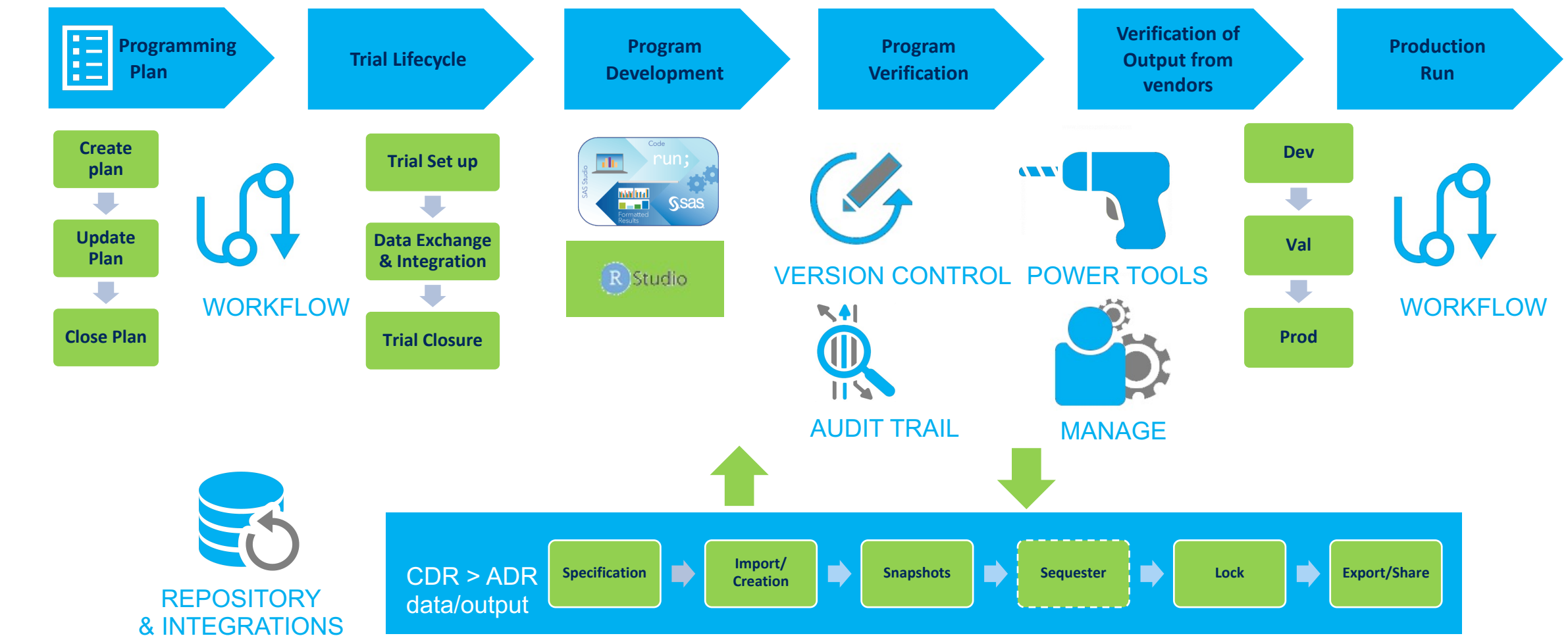
UI/UX



PARKING SCHEDULE

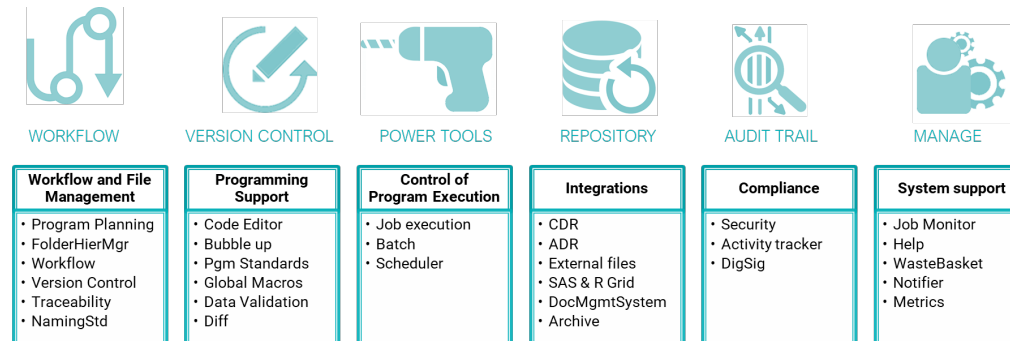
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7am	(P) FREE	(P) FREE	(P) FREE
8am	(R) 1HR	(P) 1HR	(P) FREE
8:30am	(R) 1HR	(P) 1HR	(P) FREE

Conceptual Workflow



SPACE Capabilities

- Support for 600+ users globally
- Receives clinical data from various internal and external sources
- Facilitates Dev, Pre-Production and Production workflow
- Create and manage a programming plan
- Supports intuitive versioning paradigm throughout the workflow
- Supports sequestration of working areas for sensitive activities
- Auditing of files and workflow actions enabling the who, what, and when
- Programmers can leverage both SAS or R for programming
- Dependencies are automatically captured enabling the traceability of data, code, and outputs
- Performant and compliant file storage within the Janssen AWS private cloud
- Highly performant and elastic compute performance on demand and as needed



Demonstration

