



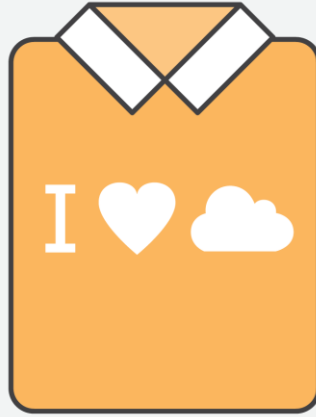
# Biotech Blueprint

How ChemAxon and AWS simplify getting you moving on the cloud.

Paul Underwood, Principal Solution Architect - AWS

4.11.18

# About Me



# About Me



# About You?

Who is using AWS today?

# About You?

Who is using AWS today?

What was it like getting started?

# About You?

Who is using AWS today?

What was it like getting started?

Who is running ChemAxon on AWS today?

# About You?

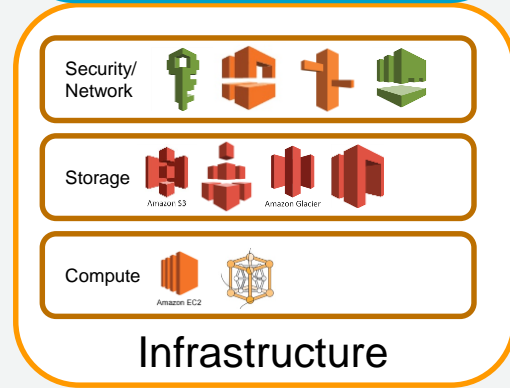
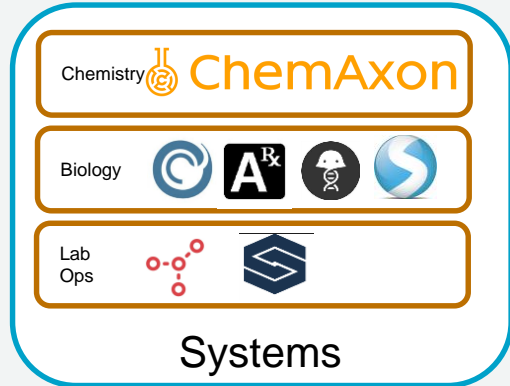
Who is using AWS today?

What was it like getting started?

Who is running ChemAxon on AWS today?

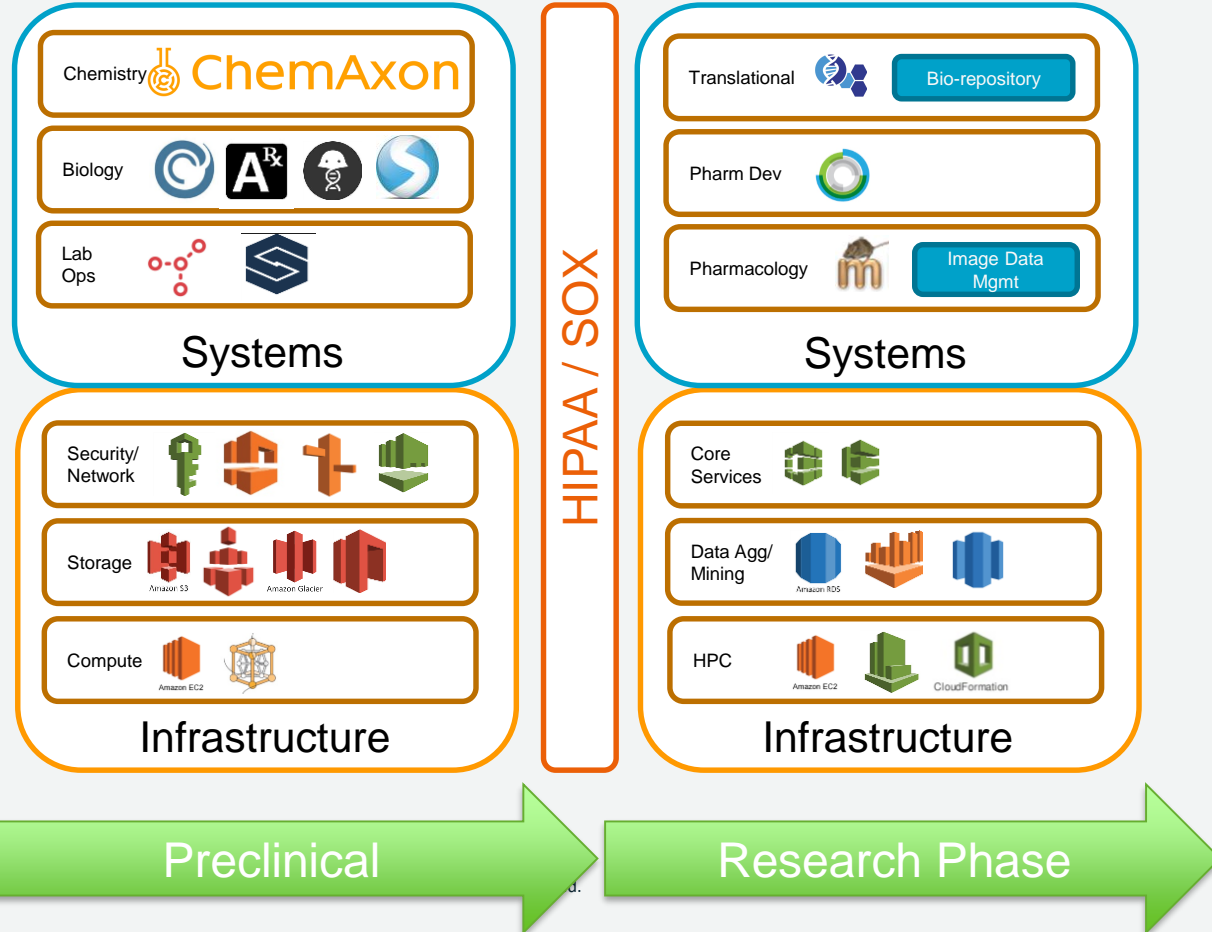
What other types of informatics tools are you using?

# A typical Biotech's journey

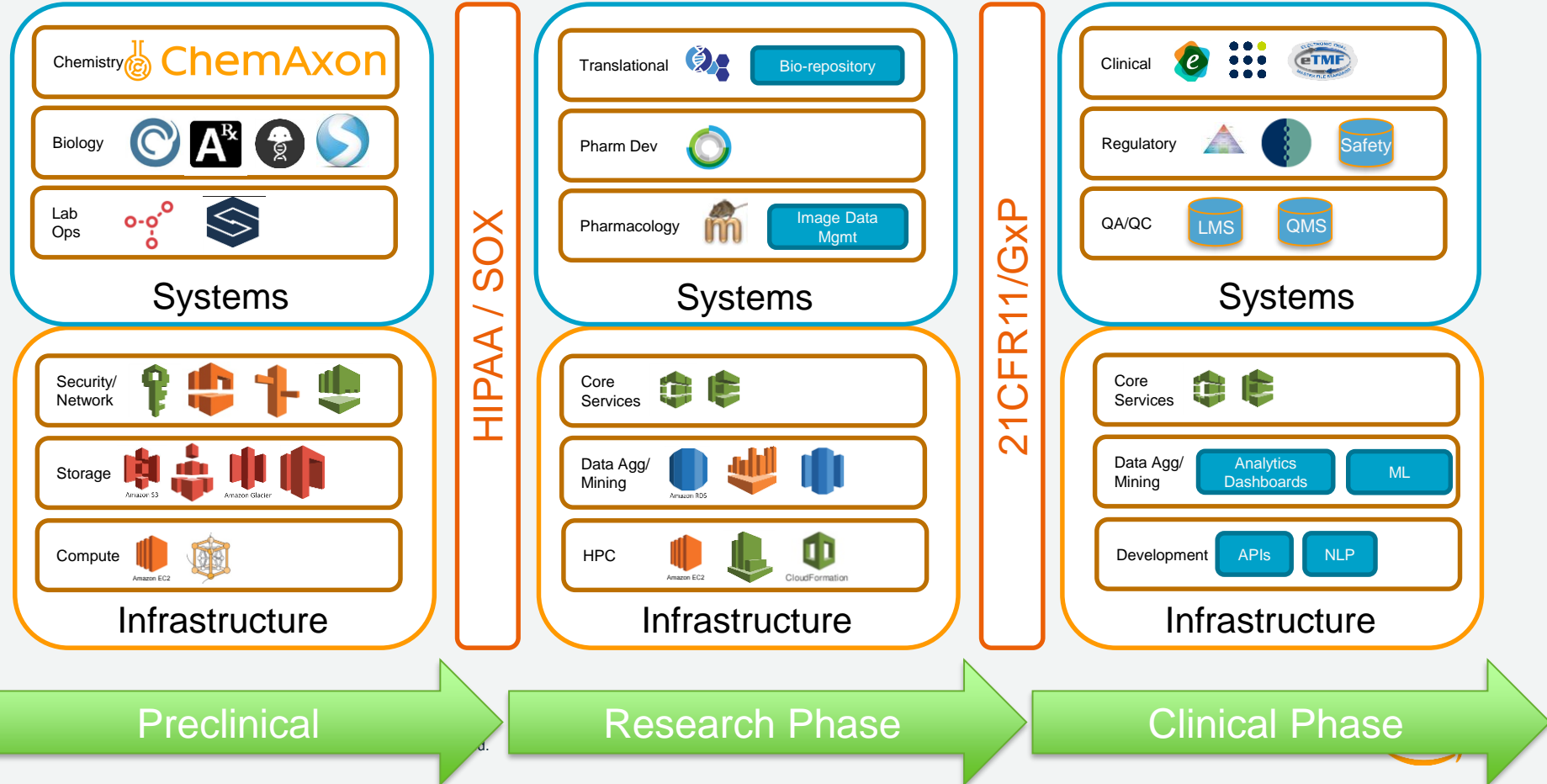




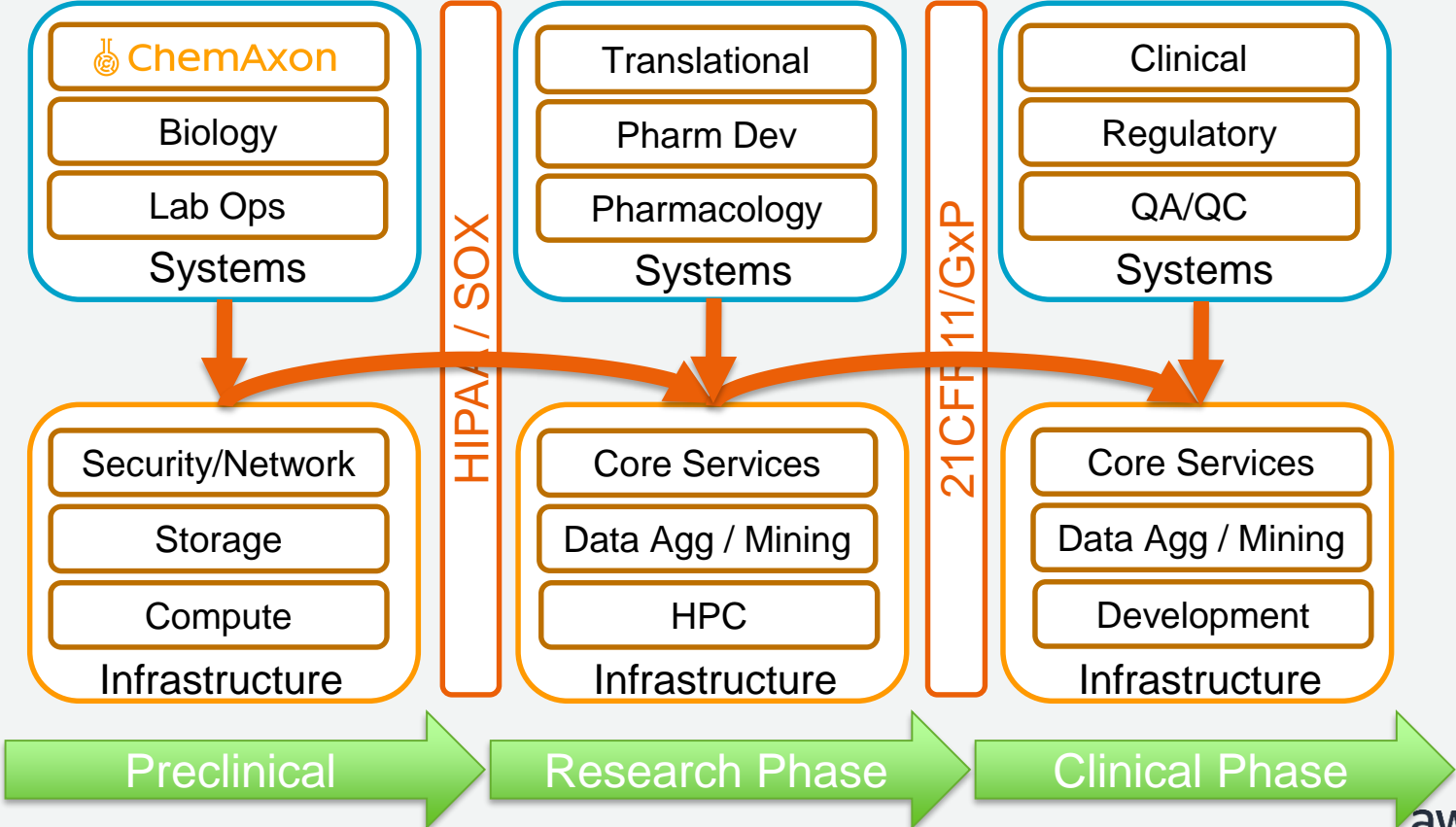
# A typical Biotech's journey



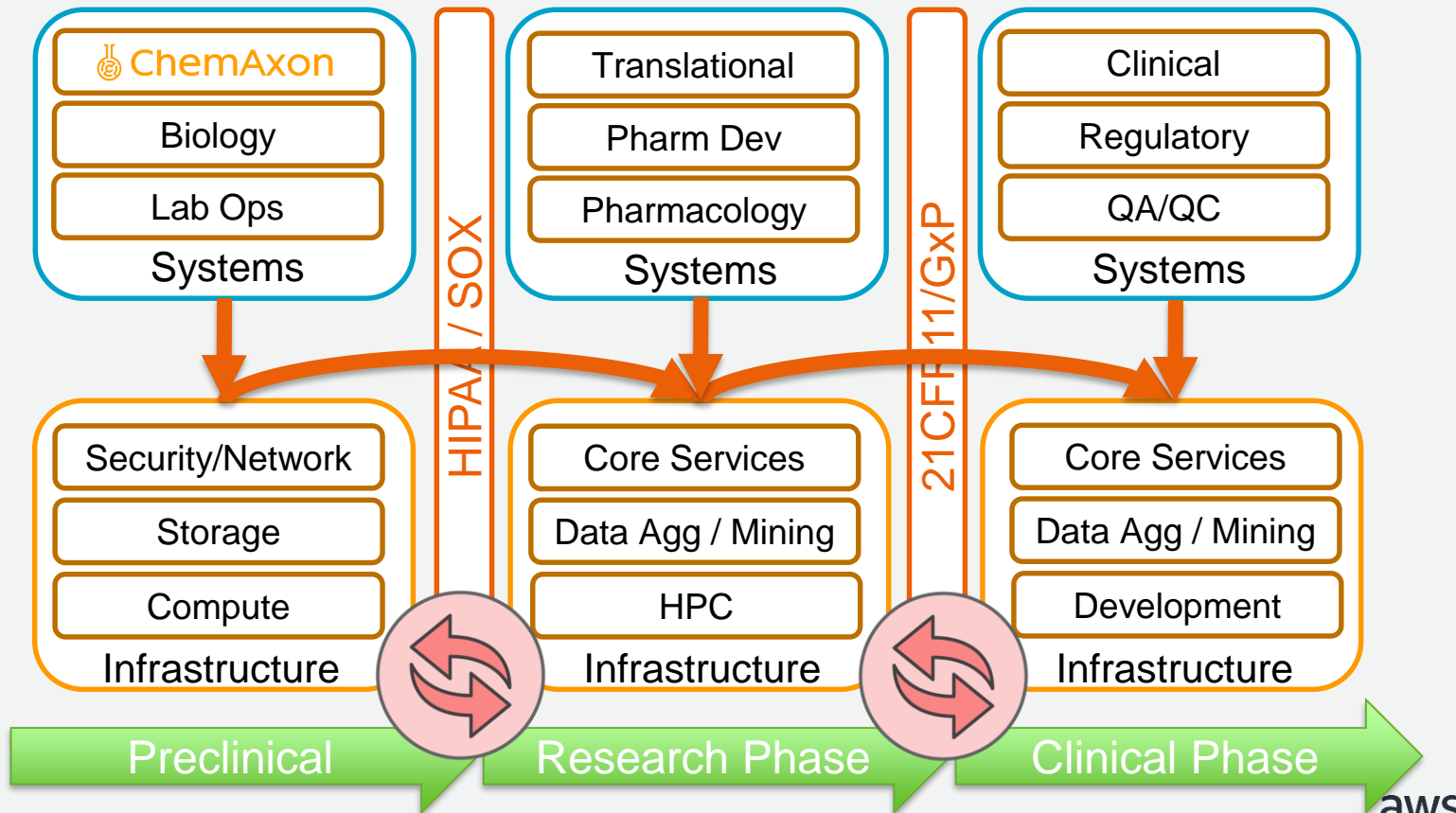
# A typical Biotech's journey



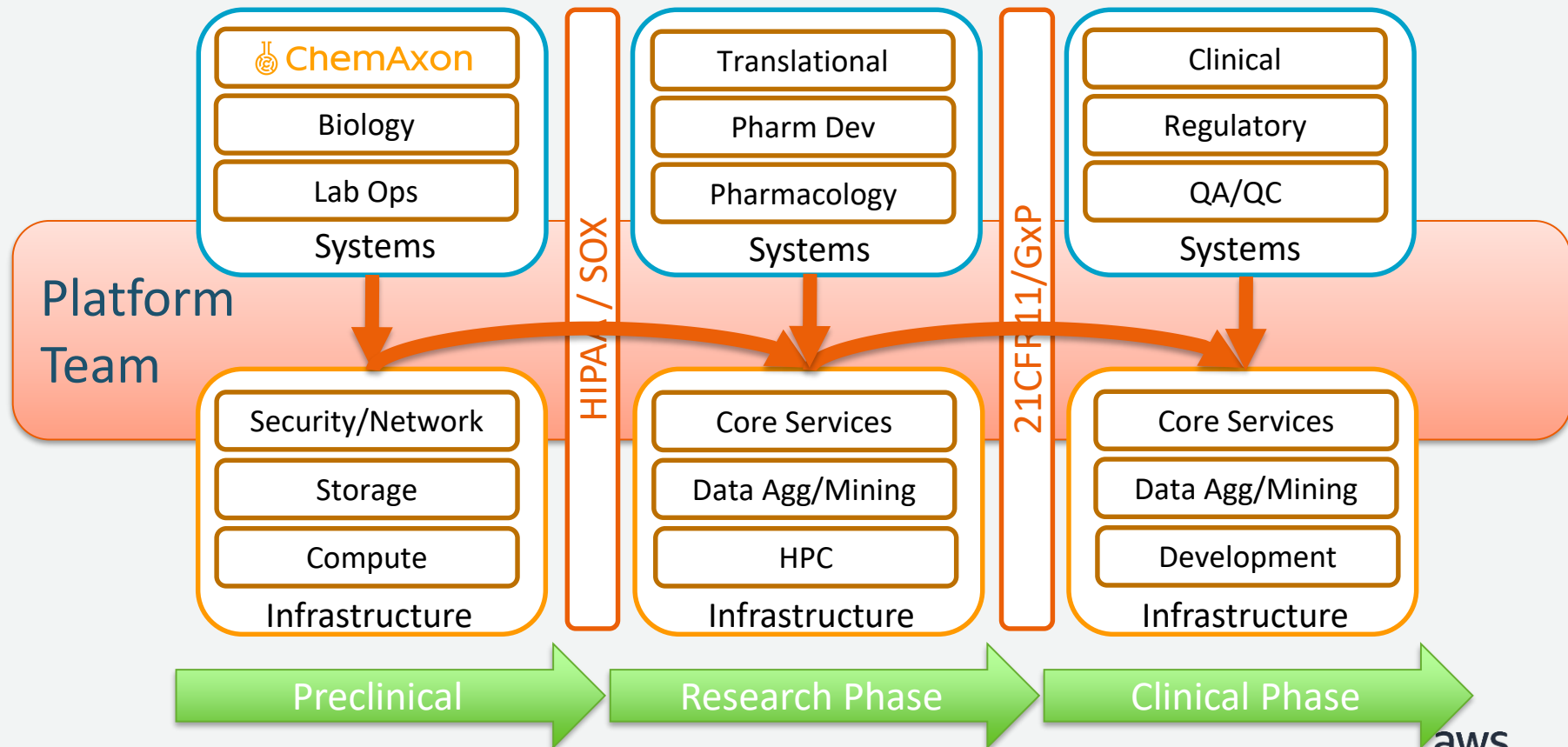
# Points of Friction



# Points of Friction



# Who facilitates this?



# About that platform team...

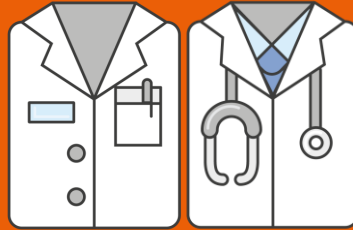
Platform  
Team

What does yours look like?

Here is what I usually see:

Platform  
Team

Common theme?



Researchers/  
Scientists



Lone Wolf



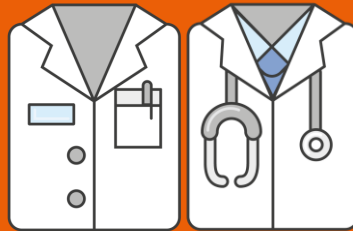
Consultants

Here is what I usually see:

## Platform Team

Common theme?

- Small teams
- Need to move fast
- Bringing the company to the cloud



Researchers/  
Scientists



Lone Wolf



Consultants



# That's a problem.

# Hold on a minute...

## AWS

- Knows what a Biotech's architecture looks like.
- Has deployable reference architectures to match.

## ISVs (Ex. ChemAxon)

- Knows what their deployment looks like.
- Can automate deployment into a reference architecture.

# What if...

## AWS

- Knows what a Biotech's architecture looks like.
- Has deployable reference architectures to match.



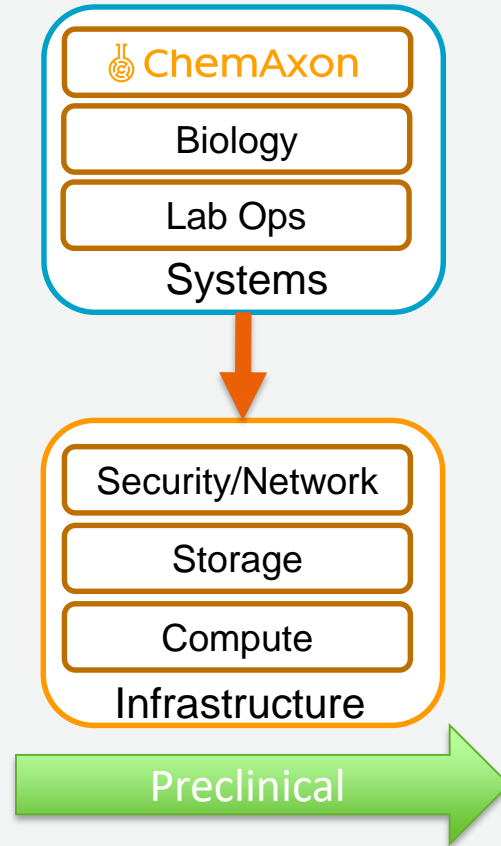
AWS  
CloudFormation

## ISVs (Ex. ChemAxon)

- Knows what their deployment looks like.
- Can automate deployment into a reference architecture.

# See where I'm going?

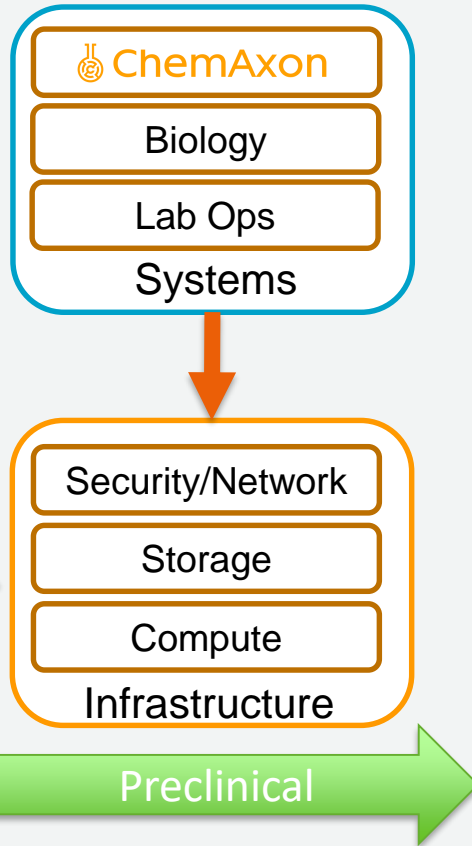
# Biotech Blueprint QuickStart



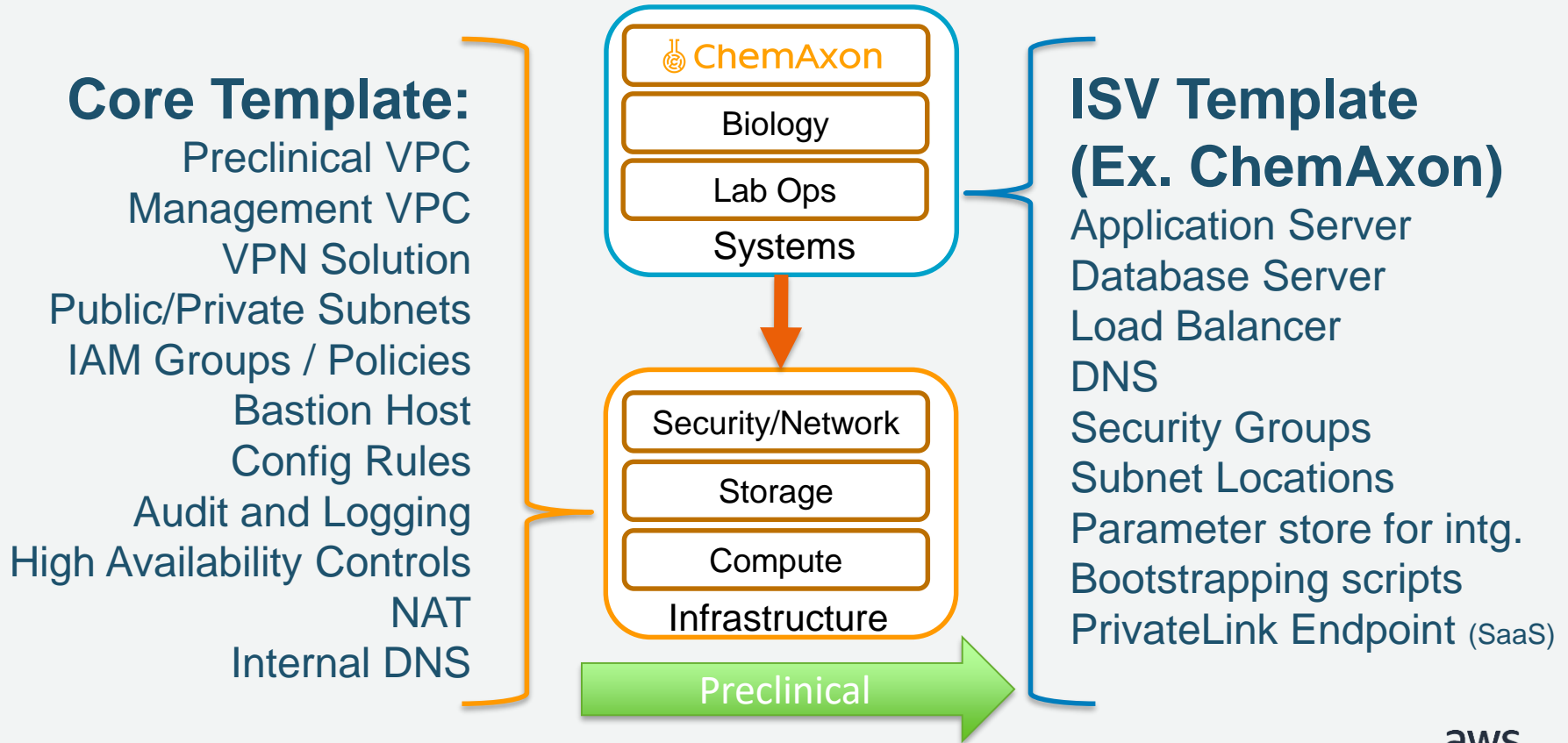
# Biotech Blueprint QuickStart

## Core Template:

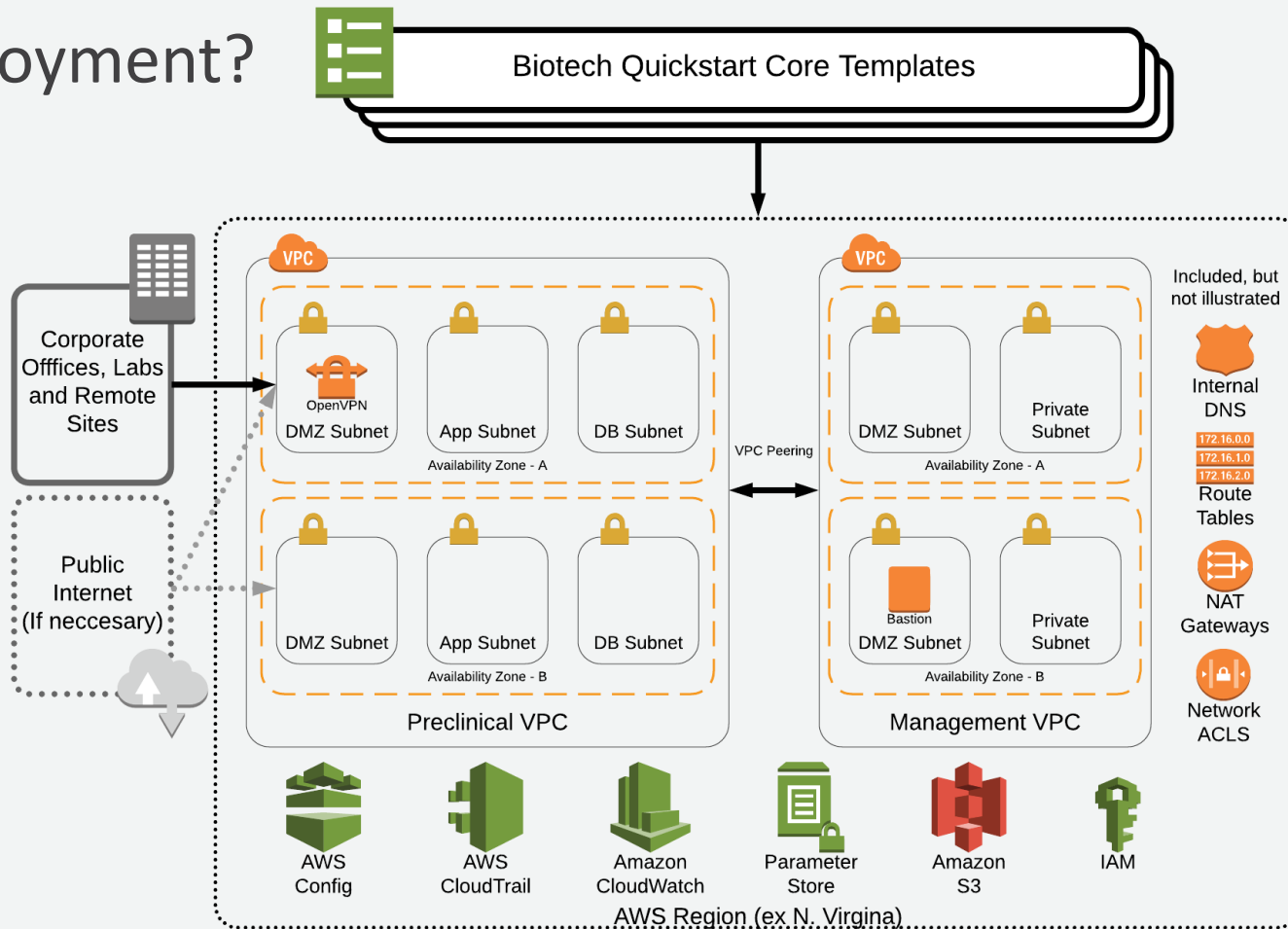
Preclinical VPC  
Management VPC  
VPN Solution  
Public/Private Subnets  
IAM Groups / Policies  
Bastion Host  
Config Rules  
Audit and Logging  
High Availability Controls  
NAT  
Internal DNS



# Biotech Blueprint QuickStart



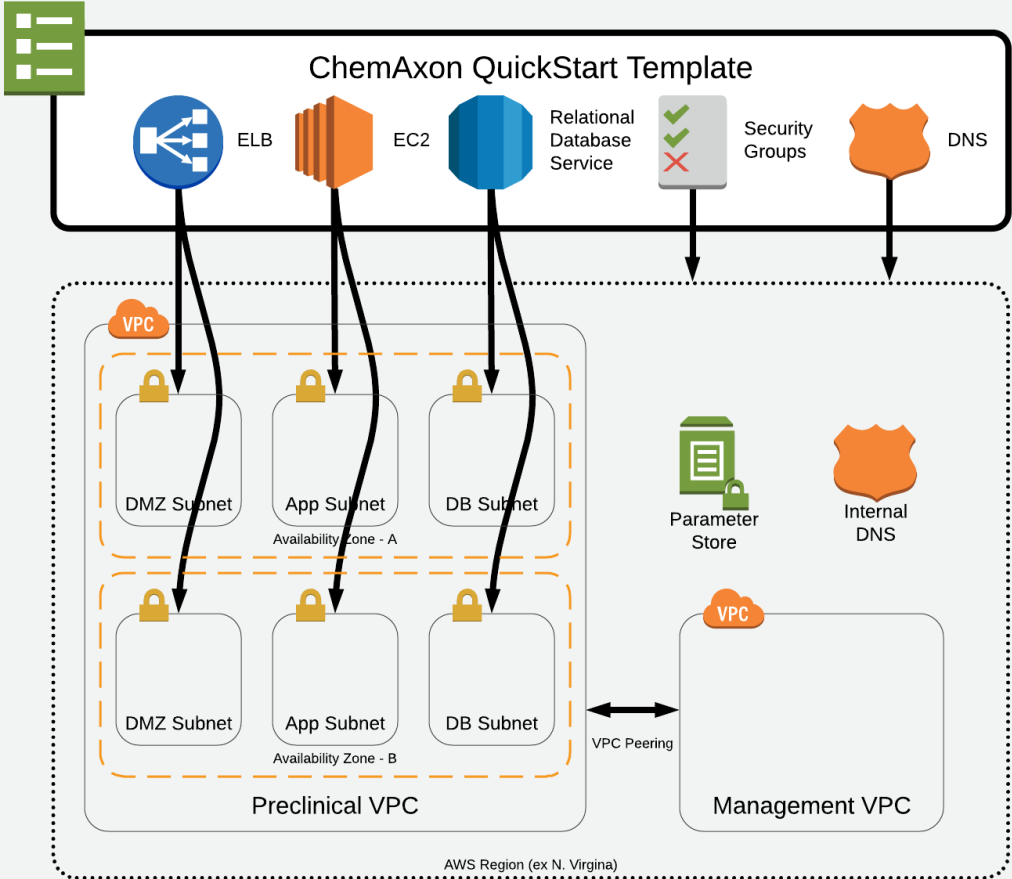
# Deployment?



Takes about 15  
Minutes To  
Deploy



# Deployment?



TTDL;

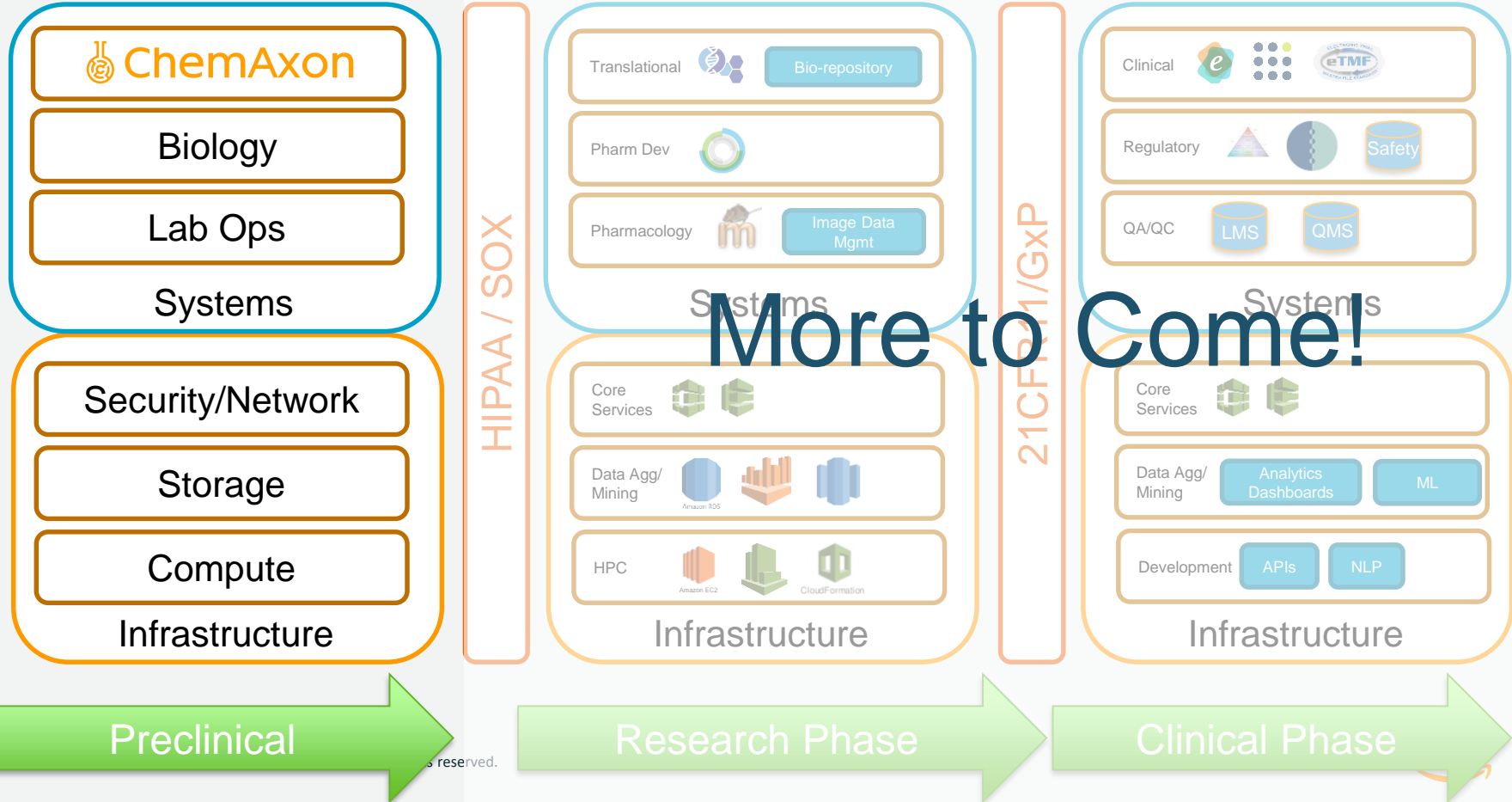
**Biotech Blueprint is a force multiplier for small platform teams.**

**Do things right from day 0.**

**Interested?**  
**Wait 5 weeks. Or...**  
**[paulu@amazon.com](mailto:paulu@amazon.com)**

# What's Coming?

# Whats next for the Biotech Blueprint?



# Have HIPAA / GxP Needs Now?

**Thanks to ChemAxon for being a  
leader in the cloud and being a  
Biotech Blueprint Launch Partner**

Thanks again!  
-Paul Underwood  
paulu@amazon.com



# Appendix.

# SaaS Deployment

