The Data Stack Enabling the Life Sciences R&D Value Chain

Biological & Clinical Processes

-- Basic Research
-- Drug & Target ID & Discovery
-- Validation Optimization
-- Process Development
-- Clinical Trials

Administrative, Financial, Marketing & Manufacturing

-- Strategic & Product Planning
-- Partnerships & M&A
-- Financial Accounting
-- Marketing
-- Product Development
-- Distribution
-- Regulatory Approval
-- Sales and Support

Foundation Systems Integration Architecture

-- Security, Access & Control
-- Metadata
-- Selective Transparency

-- Internal Organizations
-- External Organizations
-- Partners

Clinical Trials
Process & Optimization
Target Discovery
Drug Discovery
Basic Research

Distribution
Manufacturing
Financial Systems
Marketing
Regulatory Approval

Metadata, Security, Access & Control

Enterprise Network Foundation

Internal

External