

Cornerstone
Technology



Preserve the potential of your application portfolio

London June 3, 2014

Preserve the potential of your application portfolio

AGENDA

- Challenges and the need for modernization
- Profile of Cornerstone and unique selling points.
- G4 capabilities
- Project approach and execution
- Partners

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Challenges and the need for modernization

- CIOs are expected to:
 - reduce costs
 - improve business processes
 - enable new technologies and improve time to market
 - support new channels, new User Interfaces (UI), big data
- CIOs face complexity and chaos
 - application sprawl
 - applications have become fast-moving and ever changing
 - high demand for continuous availability and high secure
 - lack of application ownership
 - **discontinuity (support) of hardware / software**

Challenges and the need for modernization(2)

- CIOs challenges:
 - cost optimization
 - control over application portfolio
 - inability to accelerate IT responsiveness and Innovation.
- **Control over the application portfolio is key ;**
 - take inventory and analyze
 - categorize according to risk, business criticality and costs
 - evaluate alternatives for improvement of the portfolio



1 Tolerate, 2 Eliminate, 3 Replace, 4 Modernize

Challenges and the need for modernization(3)

Cont.

- “Replace” experience shows this to be high risk, costly, with long implementation timescales, and usually a doubled budget.
- **“Modernization” is seen as the most viable solution.**
and it's the best way to preserve the potential of the application portfolio and assets.

Business demands lead to modernization requirements :

- Database,- Interface - Application code (web enabling)

IT fulfilment demands lead to modernization requirements :

- Implementation of new hardware and/or software architecture
- Implementation of new programming languages / models

Profile Cornerstone and USPs

- The **core business** of Cornerstone (a Dutch company) has been Application Modernization for more than 20 years.

We deliver a **complete range of products and services** for application management and modernization initiatives:

- Analysis, Maintenance, Documentation
- Modernization: **Conversion, Migration, Re-engineering, Re-platforming, Refacing.**
- Quality: Measurement & Control

We have delivered projects through Europe and the United States.

Profile Cornerstone and USPs

How we assist OpenVMS users :

- Migration from OpenVMS to alternative platforms
- Alpha to Integrity (Itanium) porting

→ supported by G4-Analyser for full insight and documentation and supported by G4-Converter for conversion of the code.
Using the G4-Analyser will reduce Maintenance costs substantially.




Profile Cornerstone and USPs(2)

- What makes Cornerstone unique ...
- **Best in class conversion tooling platform: the *G4 Platform***
 - Ability to handle application landscapes as a whole
 - Regardless of: complexity, volume, used languages & databases
 - Dynamic parser generators, language independent modeling
 - Almost **any-to-any** conversion
- **Proven conversion strategy**
 - Fully automated, phased (clustered) approach or big bang
 - Retrospective adaptability, **no code freeze**
 - conversion process, manageable
- **Unique G4 whitebox beacon testing methodology – conversion verification**
- **Unique G4 Analyzer support, with dedicated queries**




G4 Platform

How it works

Premises:

-  Complete meta-information decomposition
-  Flexible, generic, dynamic, performant
-  Manageable, language-indepedent

Technology:

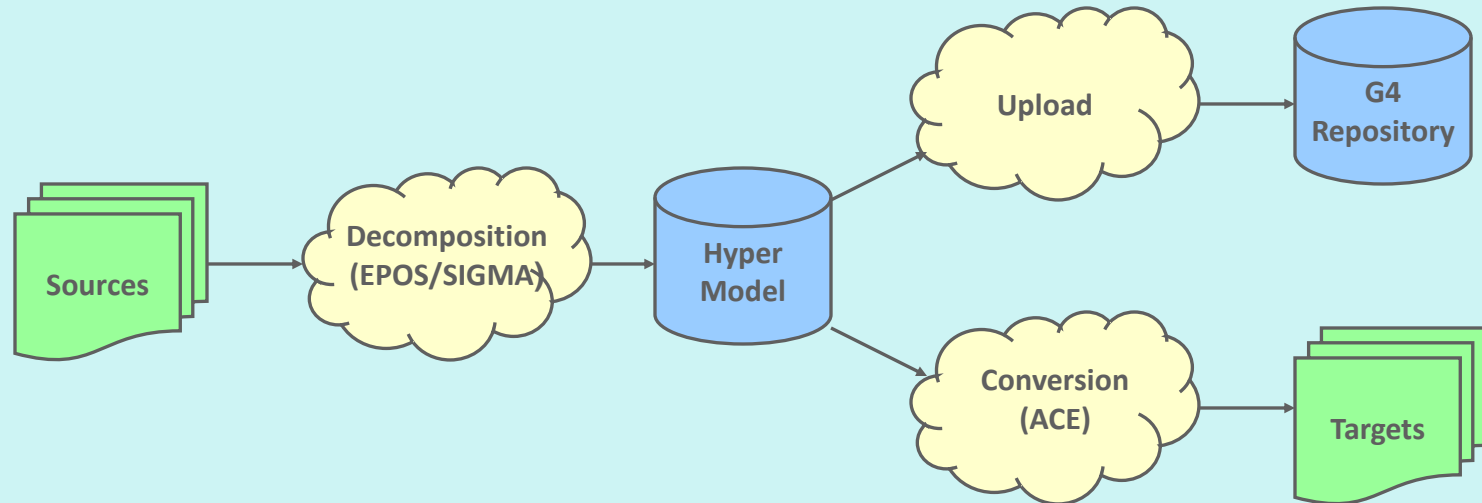
-  EPOS – Generic, dynamic scanning and parsing
-  SIGMA – Programming language-independent modeling
-  ACE – Application conversion and migration

To Configure Instead of to Program...

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G4 Platform

How it works: general process



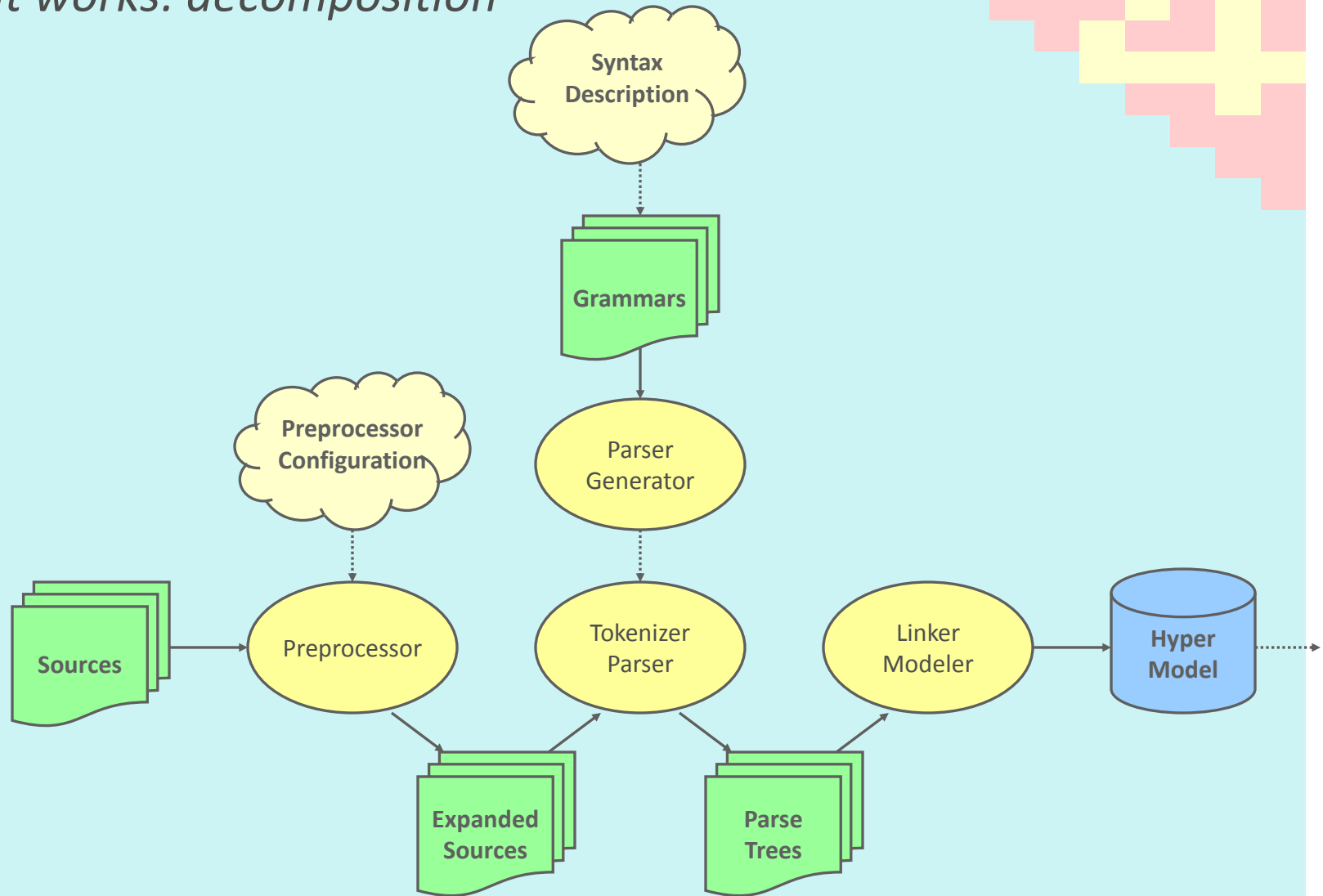
Next pages:

- Decomposition
- Upload
- Conversion

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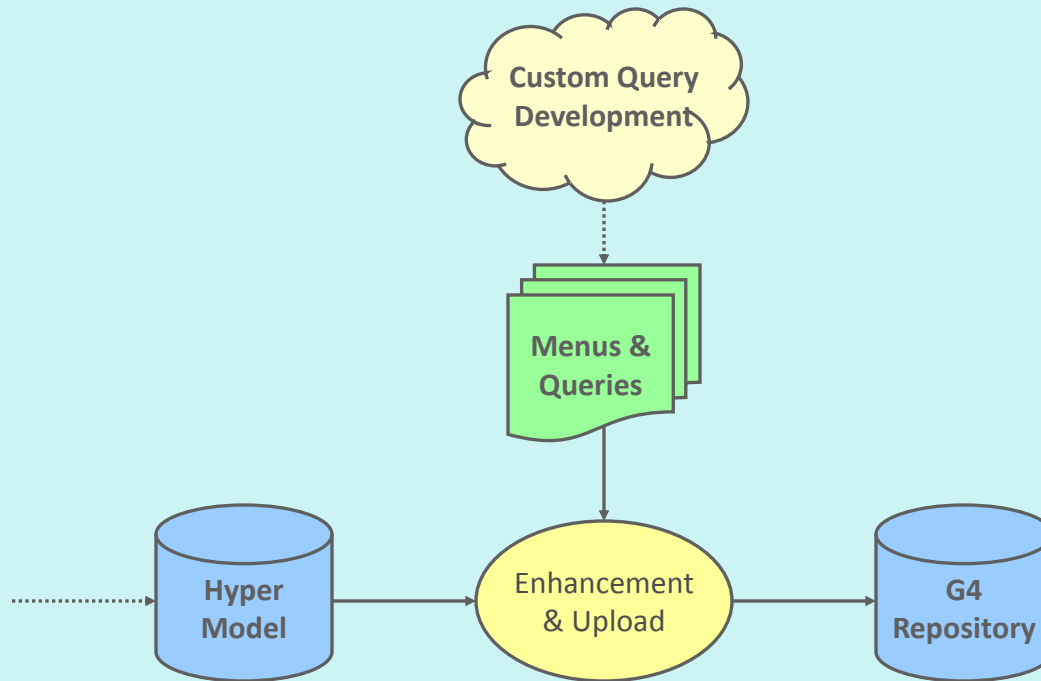
How it works: decomposition



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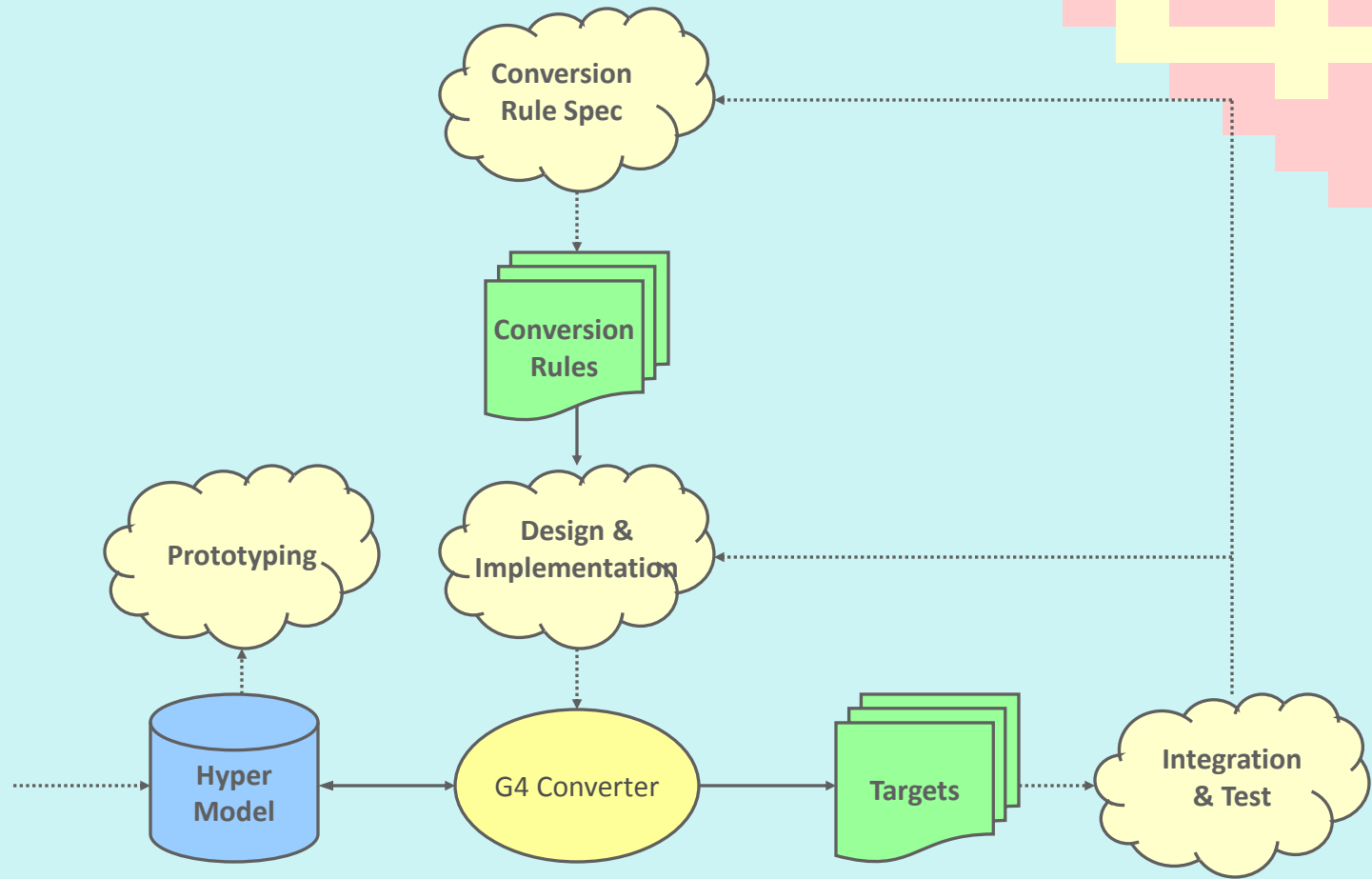
How it works: upload



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How it works: conversion



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Project approach and execution

G4 Project Strategy

Conversion Processes

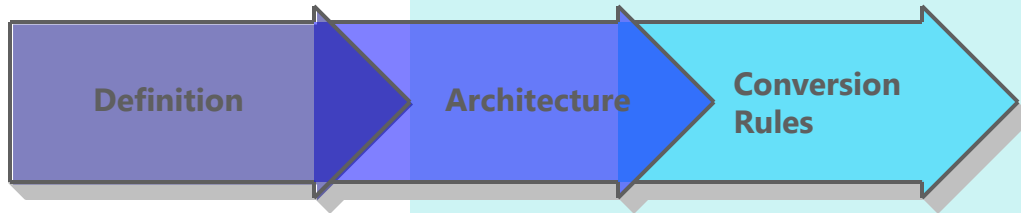
- G Planning, architecturing - setup
- G (Renovation assessment)
- G Prototyping
- G Go, no go decision
- G Conversion of clusters
- G Finalize – big bang
- G Close - deploy

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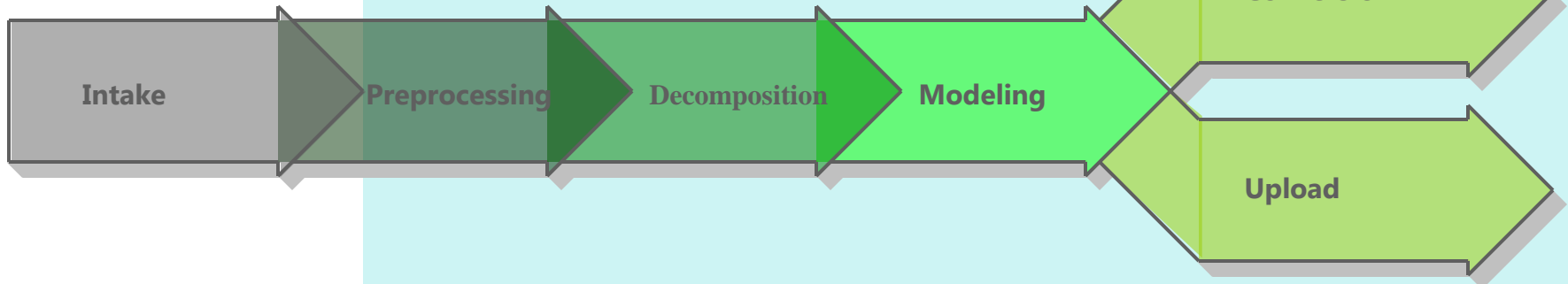
G4 Project Phases

3-Phase Diagram

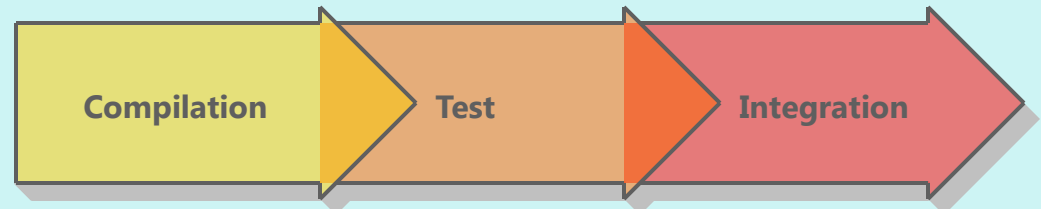
Phase I: Assessment



Phase II: Conversion / Upload



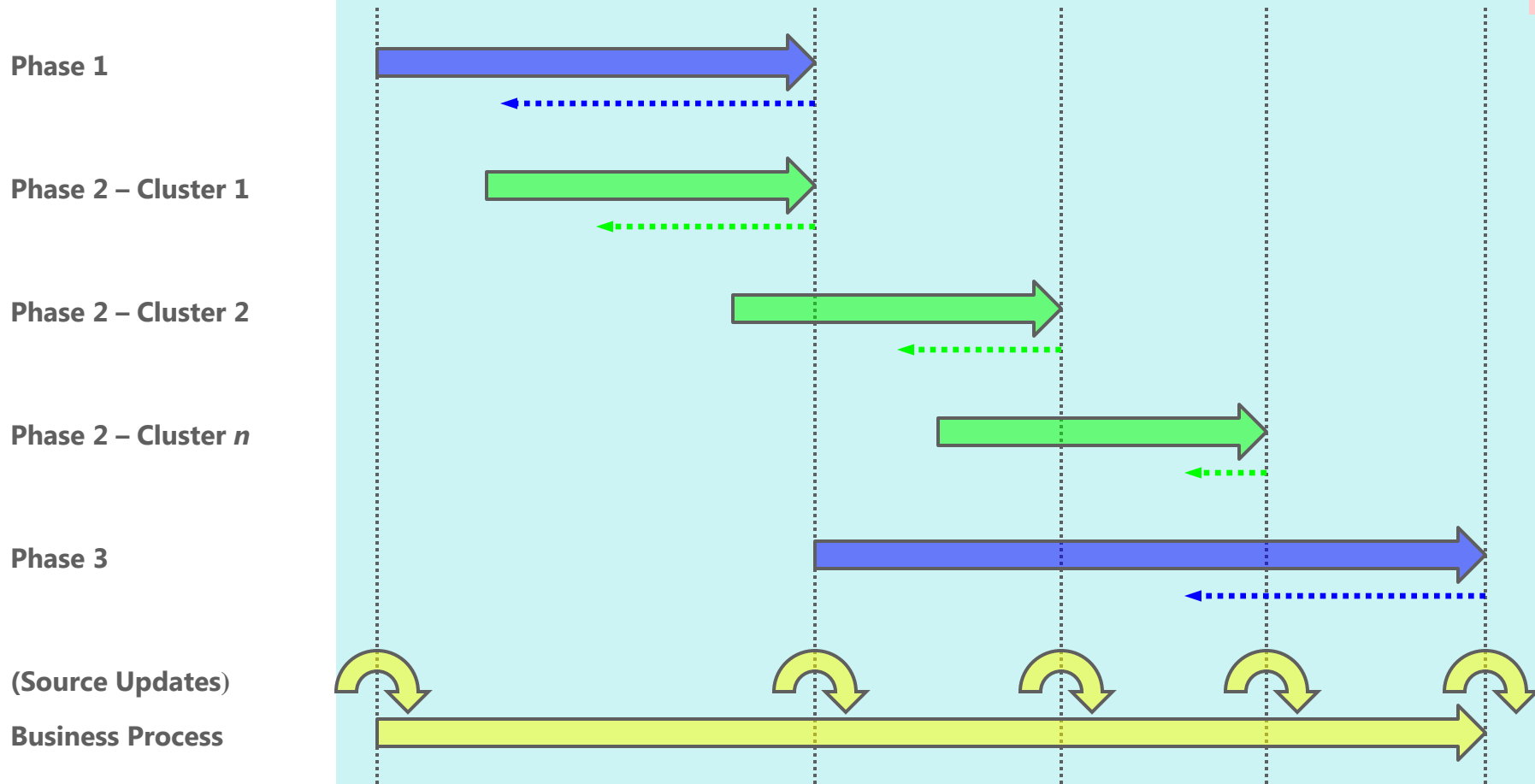
Phase III: Implementation



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G4 Project Strategy

Time Line



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Partners

- Cornerstone's partners :
 - IT vendors
 - System integrators
 - others
- Cornerstone and XDelta recently announced collaboration to combine the high XDelta OpenVMS knowledge and expertise with the Cornerstone analysis and migration capabilities .

This partnership offers a winning solution for OpenVMS customers to migrate to an alternative platform smoothly.