

The Hitchhiker's Guide to
**POPUP
MAINFRAME**

Delivery Manual for PopUp Mainframe & Delphix



Delivery Manual

Roles & Responsibilities



Project Sponsor

- Funds the project.
- Could be a combination of: CTO office, mainframe modernisation, environments, and testing.



Transformation Lead

- Person accountable for the success of the project.
- Could be called Transformation Driver, Modernisation Lead, or Principal DevOps Consultant. Regardless of title, this person must be expert in leading the change management of technology, ensuring long term adoption of new ways of working.
- Represents the interests of the business. Ensures that the project and PopUp implementation meets the demands of the business.
- Works closely with Project Sponsor to understand the business drivers and goals/objectives.



Architecture

- Team or individual responsible for the design of the PopUp & Delphix solution.
- Ensures the solution meets the clients local standards in respect to moving data and design principles.



Linux Admin

- Team responsible for any Linux system admin that the PopUp team cannot access. Access restriction is usually due to security policy.



VM and/or Cloud

- Team responsible for the build and administration of the VMs (on prem or cloud) and associated disk space.



Application

- Team who understand and support the application that is being established on the PopUp. This could be a combination of development and support resources that are responsible for building and maintaining the application.
- Usually, application DBAs are aligned to this team along with CICS, IMS and MQ programmers that define the application components, e.g. DB2 tables, CICS transactions and MQ Queues.



Mainframe

- System programming and storage activities: administration and allocation of storage volumes on the physical mainframe, and administration of z/OS, DB2, CICS, IMS, and MQ on the PopUp.



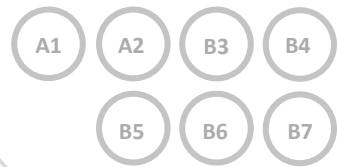
Network Admin

- Team responsible for ensuring firewalls are open between the physical mainframe, PopUp and Delphix. Direction on what is required comes from the PopUp team.



PopUp

- The PopUp team delivers all the hands on PopUp and Delphix activities.
- In addition, they have the skills to deliver these roles:
 - Mainframe
 - Application (PopUp can install client applications providing there is documentation and access to existing systems)
 - Architecture (PopUp can work with the enterprise architecture team to deliver architecture blueprints to client standards)
 - VM and/or Cloud
 - Linux Admin
- The PopUp team frequently delivers mainframe and application tasks for clients. These resources are often outsourced (for the physical mainframe), or there is simply a shortage.



People & Teams

- Project Sponsor
- Transformation Lead
- Architecture
- Linux Admin
- VM and/or Cloud
- Application
- Mainframe
- Network Admin
- PopUp



A. Setup & Preparation Activities
 Most activities owned and performed by the customer

B. Installation & Virtualisation Activities
 Most activities owned and performed by PopUp team

A1.

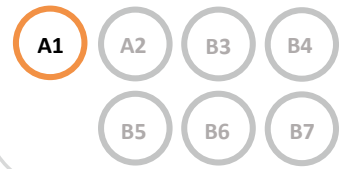
Project Definition & Kickoff

Entry Criteria for this Phase

- Current state: High level challenges
- Future state: Project (or POV) objectives

Exit Criteria for this Phase

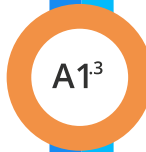
- Project Charter:
 - Project (or POV) scope
 - Use Cases (Validation Points)
 - Project (or POV) success criteria



Project Kickoff Meeting




Project Scope Workshop



Create Use Cases, Validation Points, Project Progress Tracker

 [Use Cases & Validation Points Template](#)

 [Progress Tracker Template](#)



Create Project Charter

 [Template](#)



Project Charter Review & Signoff



Next Phase Unlocked

People & Teams

-  Project Sponsor
-  Transformation Lead
-  Architecture
-  Linux Admin
-  VM and/or Cloud
-  Application
-  Mainframe
-  Network Admin
-  PopUp

A2.

Architecture & Application Discovery

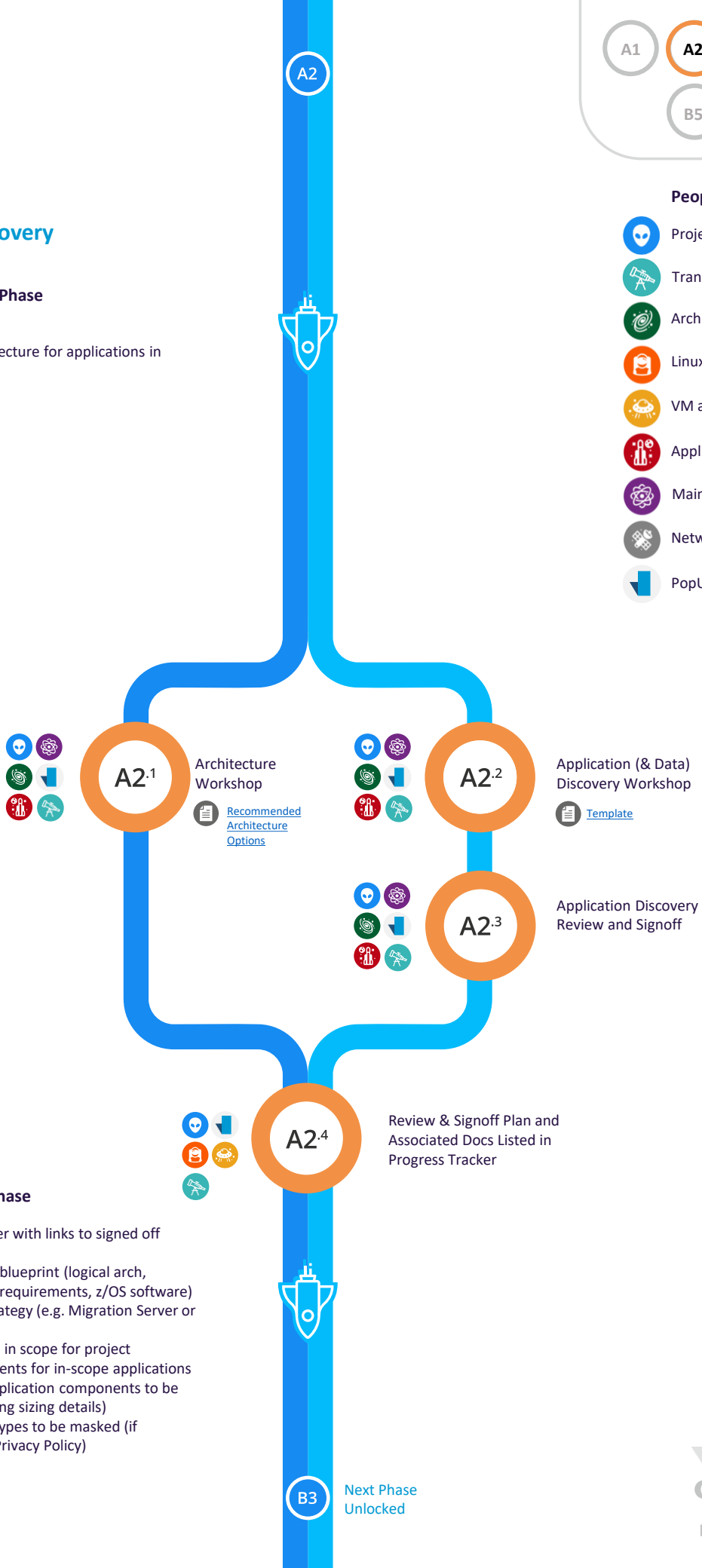
Entry Criteria for this Phase

- Project Charter
- Current systems architecture for applications in scope



People & Teams

- Project Sponsor
- Transformation Lead
- Architecture
- Linux Admin
- VM and/or Cloud
- Application
- Mainframe
- Network Admin
- PopUp



Exit Criteria for this Phase

- Project Progress Tracker with links to signed off documents:
 - Full infrastructure blueprint (logical arch, network arch, VM requirements, z/OS software)
 - Data migration strategy (e.g. Migration Server or Connect:Direct)
 - List of applications in scope for project
 - Network requirements for in-scope applications
 - List of data and application components to be virtualised (including sizing details)
 - List of data fields types to be masked (if applicable) (Data Privacy Policy)

B3 Next Phase Unlocked

B3

PopUp & Delphix Infrastructure Setup

Entry Criteria for this Phase

Signed off documents:

- Full infrastructure blueprint (logical arch, network arch, VM requirements, z/OS software)
- Sizing requirements for applications & components in scope



Exit Criteria for this Phase

- PopUp appliances created, health check completed successfully
- Delphix Virtualisation Engine & Masking Engine appliances created and health check completed successfully
- PopUp & Delphix appliances: User access for project team validated
- Setup & Prep Checklist completed

People & Teams

- Project Sponsor
- Transformation Lead
- Architecture
- Linux Admin
- VM and/or Cloud
- Application
- Mainframe
- Network Admin
- PopUp

B4.

Data Migration Preparation

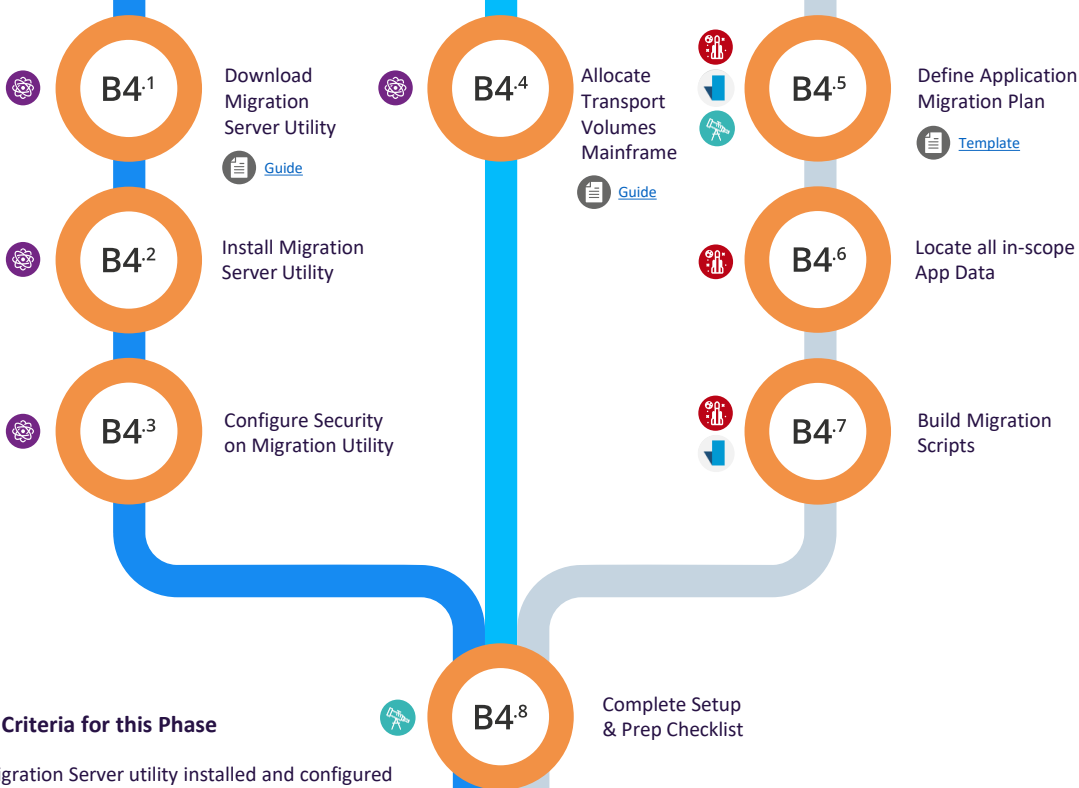
(using Migration Server utility)

Entry Criteria for this Phase

- Full infrastructure blueprint (logical arch, network arch, VM requirements, z/OS software)
- Data migration strategy agreed with mainframe team
- List of data and application components to be virtualised (including sizing details)

People & Teams

- Project Sponsor
- Transformation Lead
- Architecture
- Linux Admin
- VM and/or Cloud
- Application
- Mainframe
- Network Admin
- PopUp



Exit Criteria for this Phase

- Migration Server utility installed and configured
- Migration Server security configured
- Transport volumes created
- All data in scope for virtualisation copied to transport volume. Data must be consistent i.e. time snapshot
- Migration Server utility smoke tested
- Setup & Prep Checklist completed

Next Phase Unlocked

B4



B6

Next Phase Unlocked



B5.

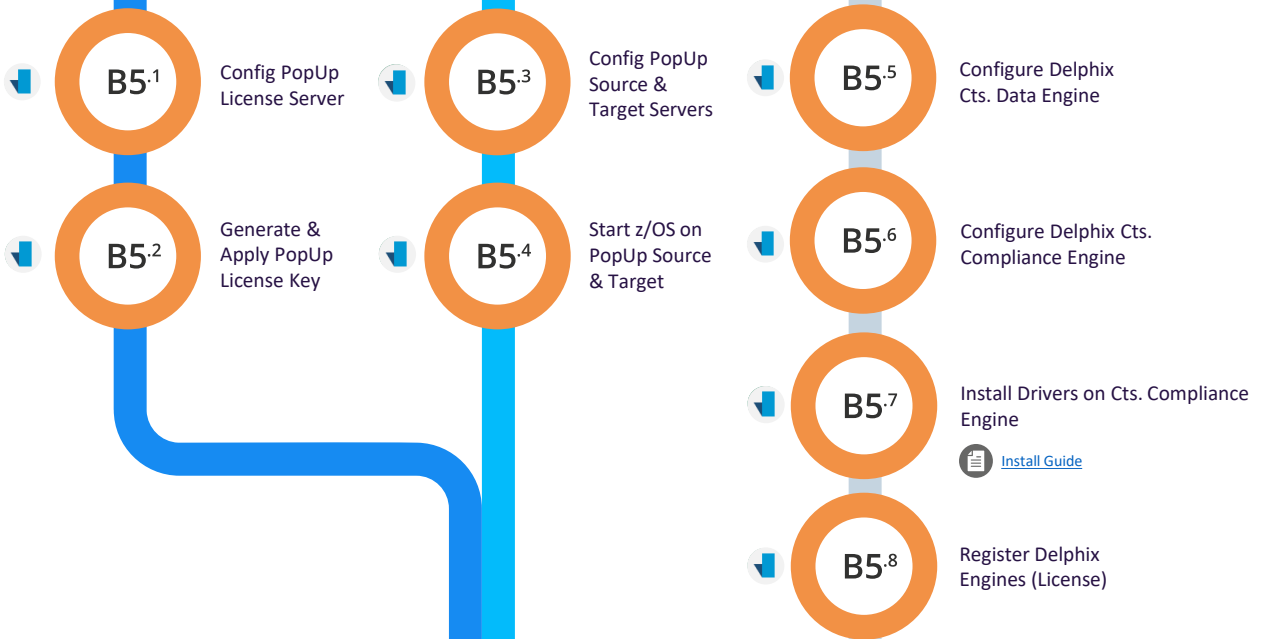
PopUp & Delphix Configuration

Entry Criteria for this Phase

- Exit criteria from Phase B3

People & Teams

- Project Sponsor
- Transformation Lead
- Architecture
- Linux Admin
- VM and/or Cloud
- Application
- Mainframe
- Network Admin
- PopUp



Exit Criteria for this Phase

- PopUp appliances configured, license keys applied
- Delphix Continuous Data & Continuous Compliance Engine appliances configured, license keys applied

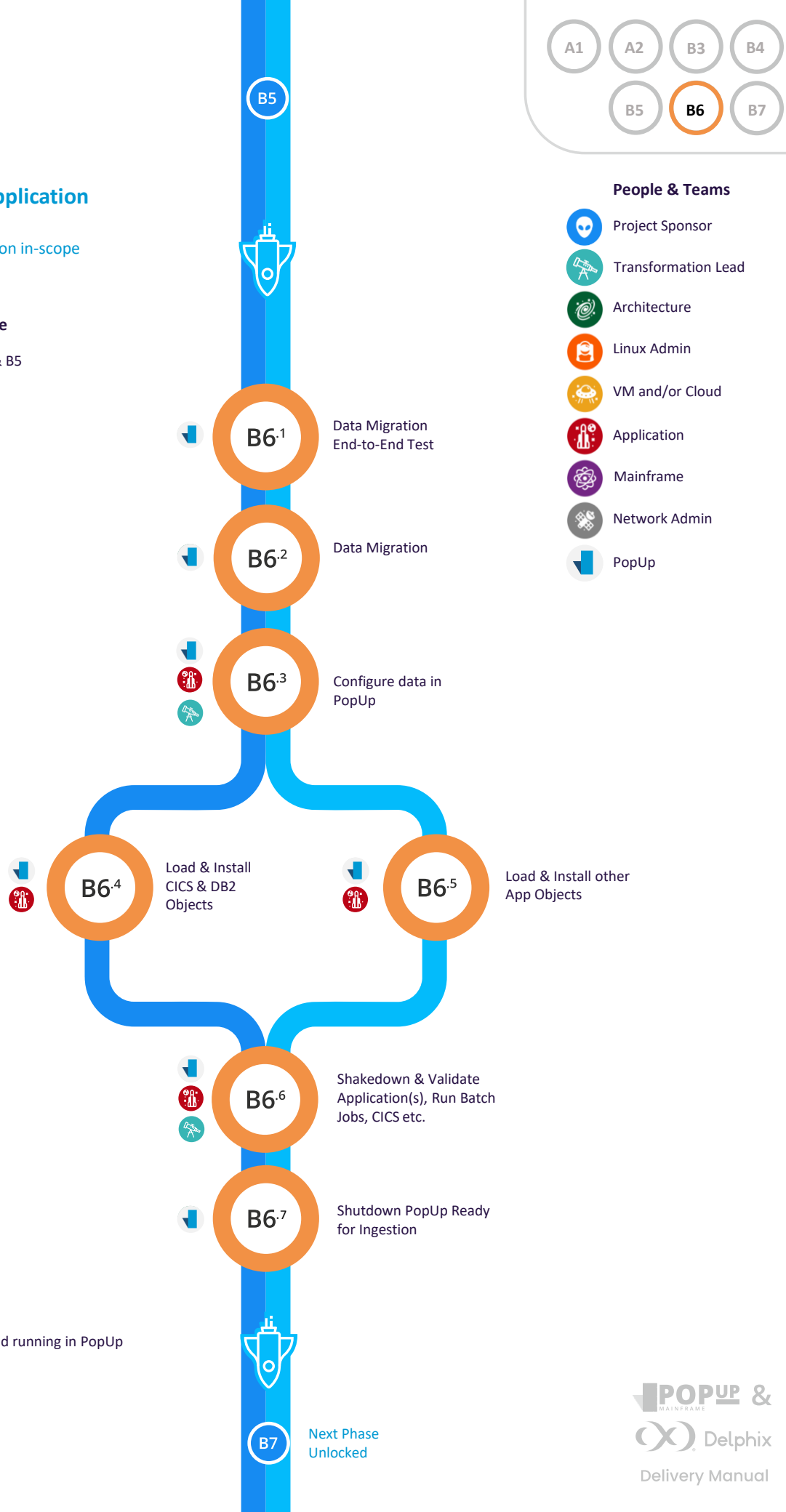
B6.

Data Transport & Application Build in PopUp

*Note: Heavily dependent on in-scope application components

Entry Criteria for this Phase

- Exit criteria from Phase B4 & B5



Exit Criteria for this Phase

- In-scope application(s) up and running in PopUp and/or data available
- Batch jobs completed

People & Teams

- Project Sponsor
- Transformation Lead
- Architecture
- Linux Admin
- VM and/or Cloud
- Application
- Mainframe
- Network Admin
- PopUp

B7.

PopUp Virtualisation: create a “Gold Copy”

Entry Criteria for this Phase

- Exit criteria from Phase B6

B6



B7.1

Create “Environment”
in Delphix



B7.2

Ingest PopUp into Delphix
Continuous Data, Create
“Gold Copy”

B7.3

Provision PopUp Targets
(Virtual PopUps)

B7.4

Shakedown Test Virtual
PopUp

B7.5

Review Virtual
PopUps and Signoff



A1

A2

B3

B4

B5

B6

B7

People & Teams



Project Sponsor



Transformation Lead



Architecture



Linux Admin



VM and/or Cloud



Application



Mainframe



Network Admin



PopUp

Exit Criteria for this Phase

- One or more Virtual PopUps have been created on PopUp target infrastructure
- Virtual PopUp application use cases tested and validated
- Project success criteria met and signed off

DON'T PANIC