Experiences of Implementing SAP BW on HANA at Boots UK

Phil Creek and Jamie Flaxman – SAP Centre of Expertise

Walgreens Boots Alliance

22 March 2015

Who We Are

Phil Creek

Lead SAP Business Analyst

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Lead SAP Functional Consultant

Walgreens Boots Alliance

- Presence in more than **25*** countries
- Over **370,000*** employees
- the largest retail pharmacy, health and daily living destination in the USA and Europe
- the global leader in pharmacy-led, health and wellbeing retail with over **12,800*** stores in **11*** countries
- the largest global pharmaceutical wholesale and distribution network with over **340*** distribution centres delivering to more than **180,000†** pharmacies, doctors, health centres and hospitals each year in **19*** countries
- the world's largest purchaser of prescription drugs and many other health and wellbeing products

* As at 30 November 2014 including equity method investments on a pro-forma basis

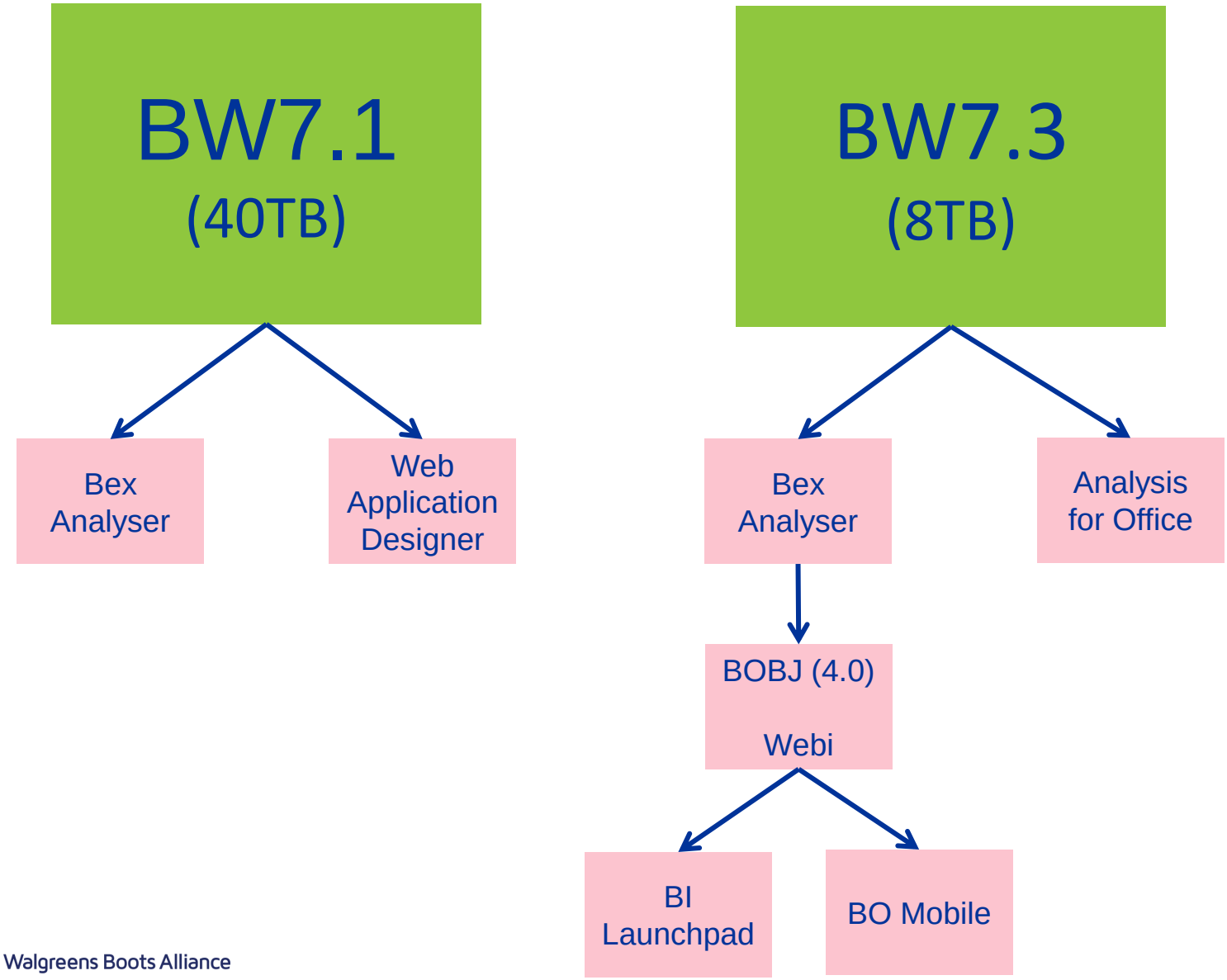
† For year ended 30 November 2014 including equity method investments on a pro-forma basis

Boots UK

- **2,511*** stores, **600*** Boots Opticians practices, **430*** Boots Hearingcare locations
- **16*** doctors' surgeries located in store
- **90%*** of population within a 10 minute drive of a Boots store
- Growing omni-channel offer, boots.com revenue increased by **30%*** year on year with significant increase to Boots Order & Collect
- **c.60,000*** Boots UK colleagues with around **6,500*** pharmacists
- **17.8m*** Boots Advantage Card members
- **3.5m*** visits a month to BootsWebMD.com

** As at 30 November 2014 including equity method investments on a pro-forma basis*

SAP BW at Boots UK



Drivers of Change

Reduce run costs

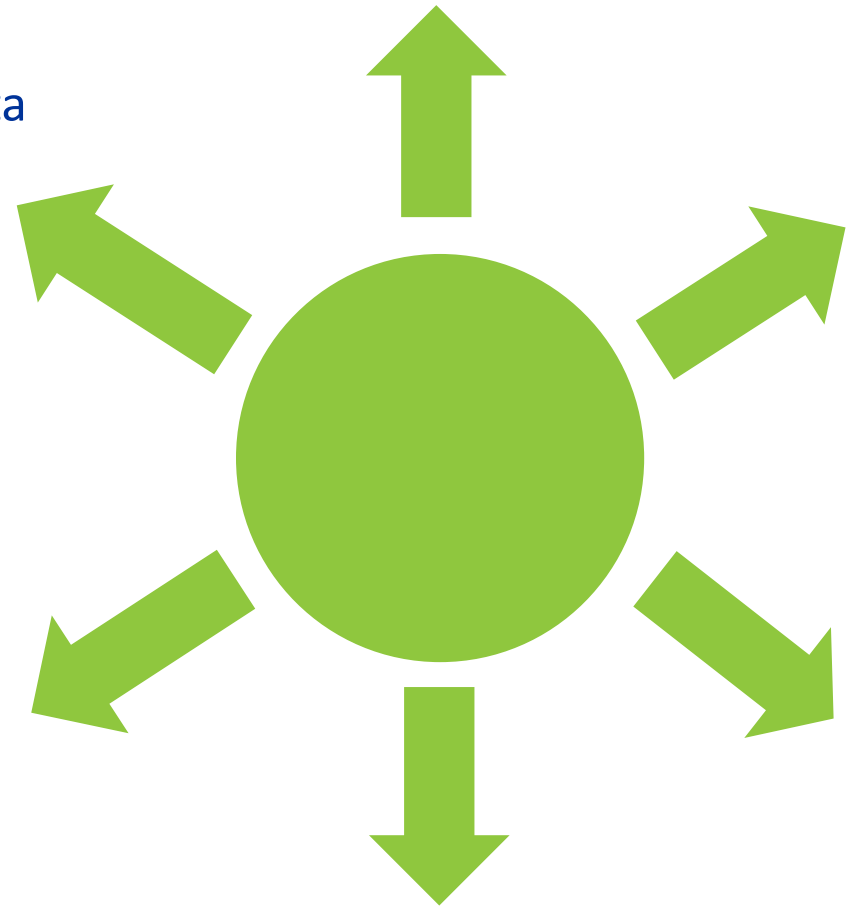
Add system capacity

Remove batch limitations

Faster, cheaper change

Real-time reporting

The Options



Reallocate failover blades

Invest in more BWA capacity

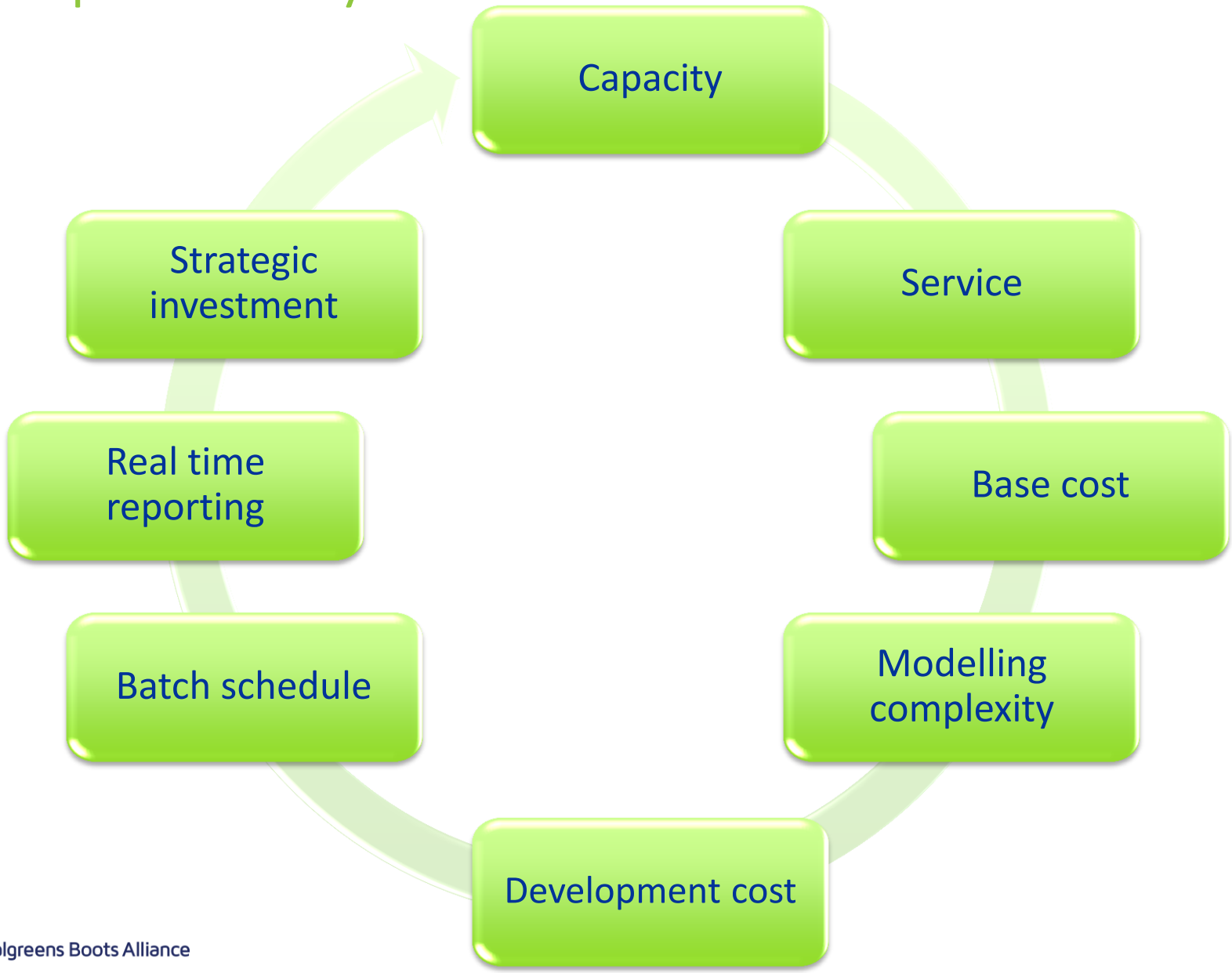
Purchase second hand blades

Invest in HANA technology

Invest in HANA technology with NLS

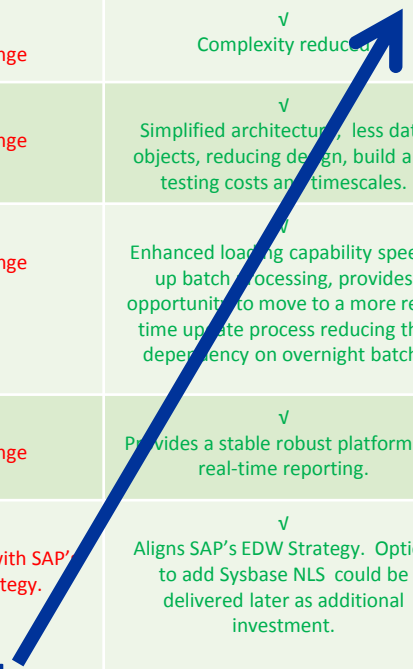
Remove data and reduce data growth

Options Analysis

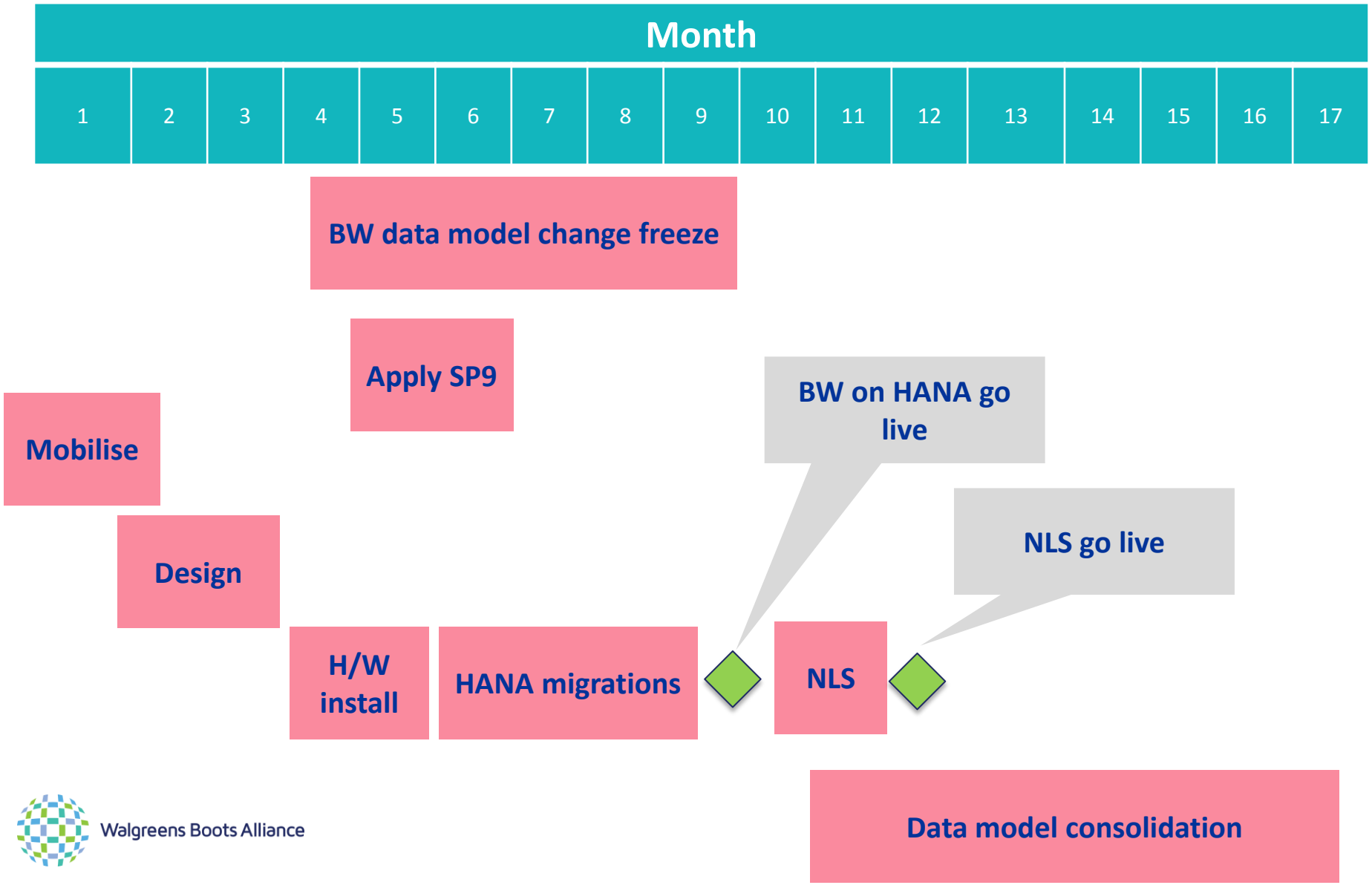


Options Analysis

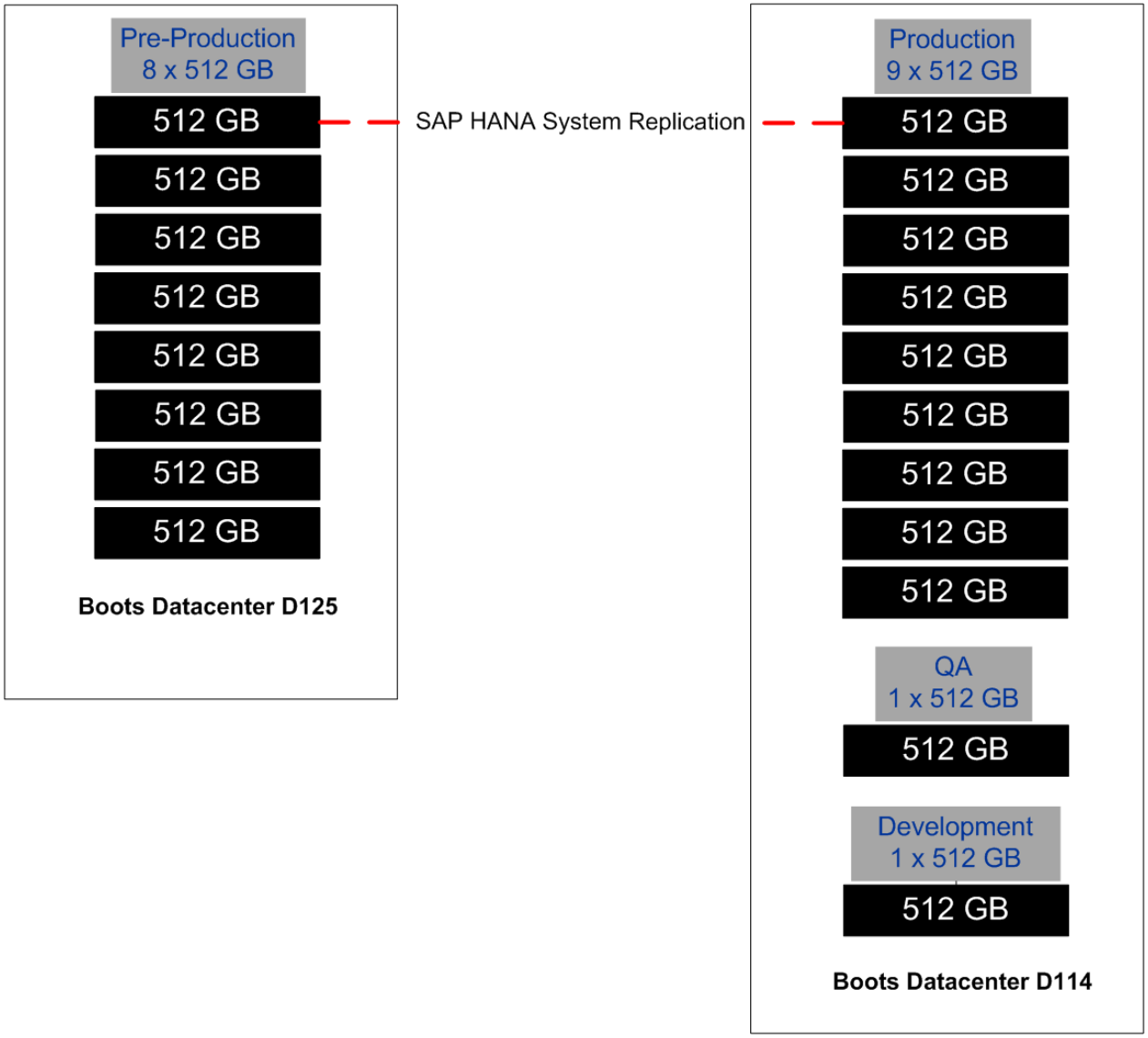
	Remove data reduce data growth	Reallocate failover blades	Purchase second hand blades	Invest in more BWA capacity	Invest in Hana technology	Invest in Hana technology with NLS
Satisfies projected capacity growth	X No change	√ Should meet short-term capacity targets. Not scalable for future growth	√ Should meet short-term capacity targets. Not scalable for future growth.	√ Should meet short-term capacity targets. Not scalable.	√ Meets the projected two years of future data growth and will also be scalable to meet the demands of future projects	√ Meets the projected two years of future data growth and will also be scalable to meet the demands of future projects using cheaper storage.
Impact on system SLA	X No change	X ↓ failover removed	X ↓ SLA as 2nd hand blades not supported	X No change	√ Faster recovery of data	√ Faster recovery of data
Impact on base cost	X No change	X ↑ Higher licensing	X ↑ Higher licensing	X ↑ Higher licensing	√ Net saving ↑ Higher licensing ↓ Support Costs	√ Net saving ↑ Higher licensing ↓ Support Costs
Reduce system modelling complexity	X No change	X No change	X No change	X No change	√ Complexity reduced	√ Complexity reduced
Faster, cheaper delivery of change	X No change	X No change	X No change	X No change	√ Simplified architecture, less data objects, reducing design, build and testing costs and timescales.	√ Simplified architecture, less data objects, reducing design, build and testing costs and timescales.
Batch schedule limitations reduced	X No change	X No change	X No change	X No change	√ Enhanced loading capability speeds up batch processing, provides opportunity to move to a more real-time update process reducing the dependency on overnight batch.	√ Enhanced loading capability speeds up batch processing, provides opportunity to move to a more real-time update process reducing the dependency on overnight batch.
Solution set-up to support real-time reporting	X No change	X No change	X No change	X No change	√ Provides a stable robust platform for real-time reporting.	√ Provides a stable robust platform for real-time reporting.
Strategic investment	X BWA mainstream support ends Dec 2015.	X BWA mainstream support ends Dec 2015.	X **BWA mainstream support ends Dec 2015.**	X Not aligned with SAP's EDW strategy.	√ Aligns SAP's EDW Strategy. Option to add Sysbase NLS could be delivered later as additional investment.	√ Aligns SAP's EDW Strategy . NLS can be used rather than holding all data in HANA appliance.



The Plan at Boots UK



Infrastructure



What Actually Happened

Mobilisation and pre-requisites

Hardware and database migration

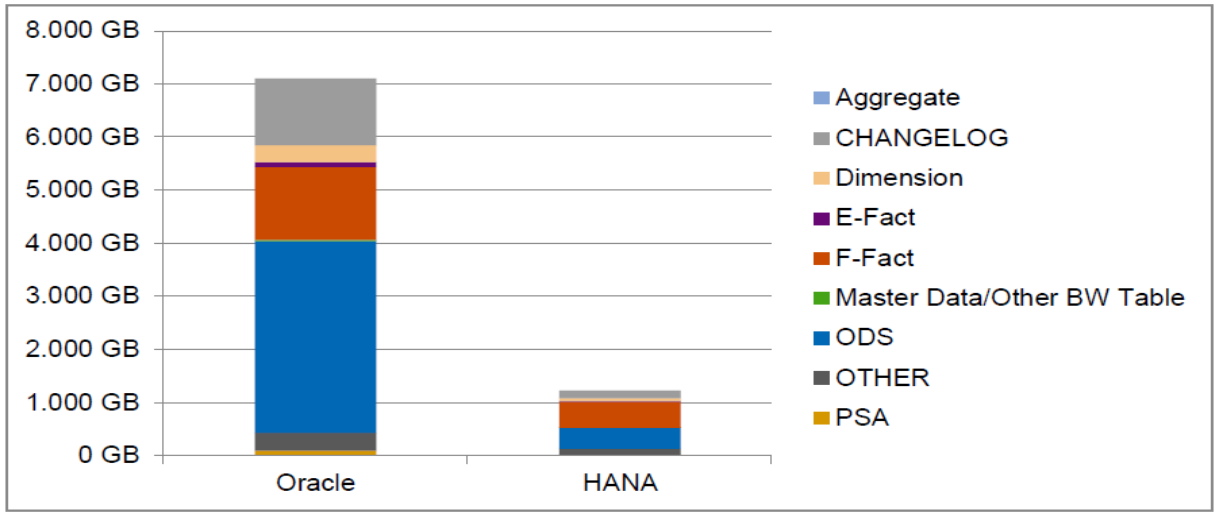
Go-live

Results

What Actually Happened

Results

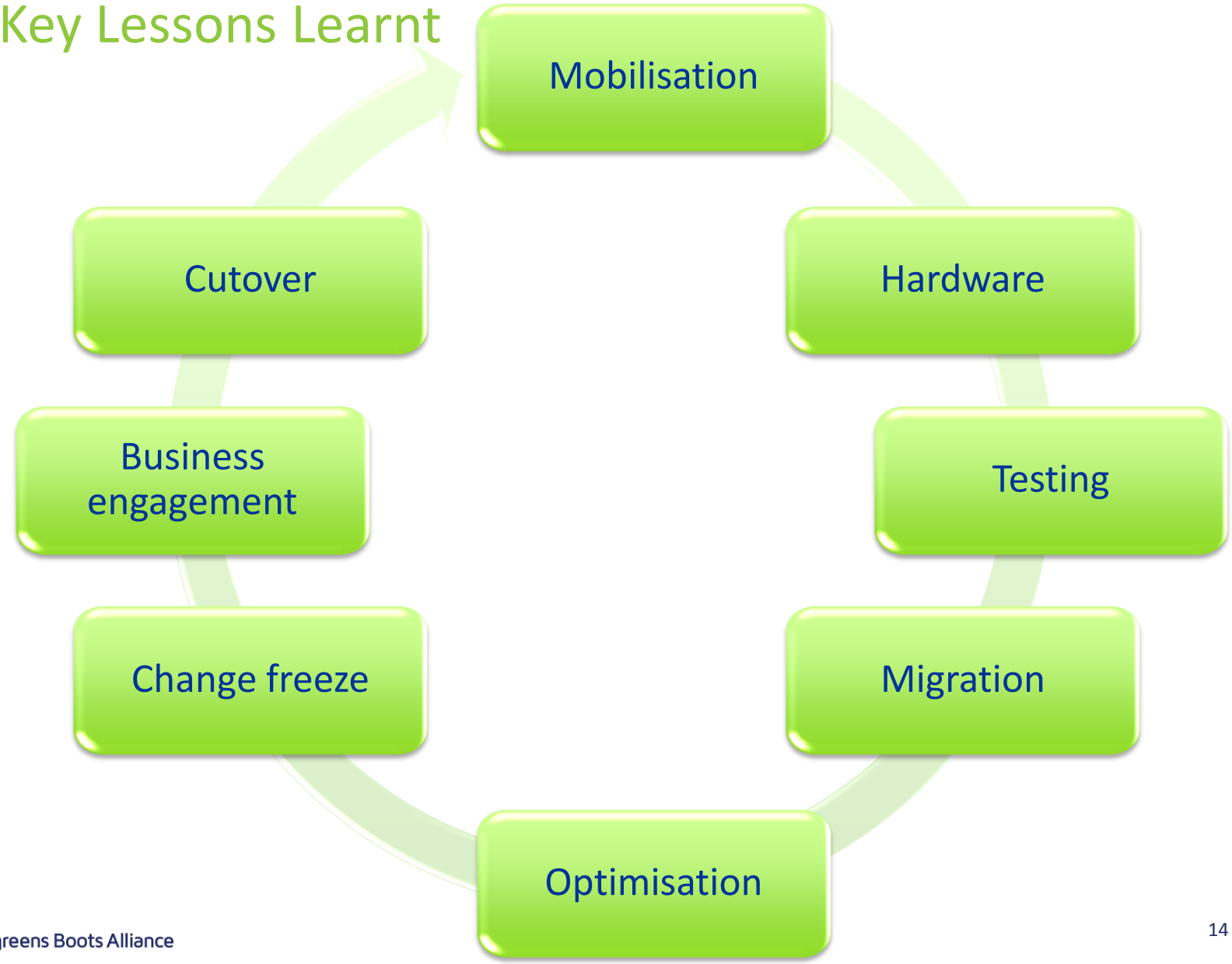
Sizing



Performance

- 1) Batch processing of the basic Sales Model (the one that 90% of our reports use) used to take over 4 hours... This now completes in less than an hour.
- 2) Generation of the BOBJ reports used to take an hour.... Now completes in 5 minutes
- 3) MI Team budget upload.. Used to take 1 ½ hours now completes in 5 minutes

Key Lessons Learnt



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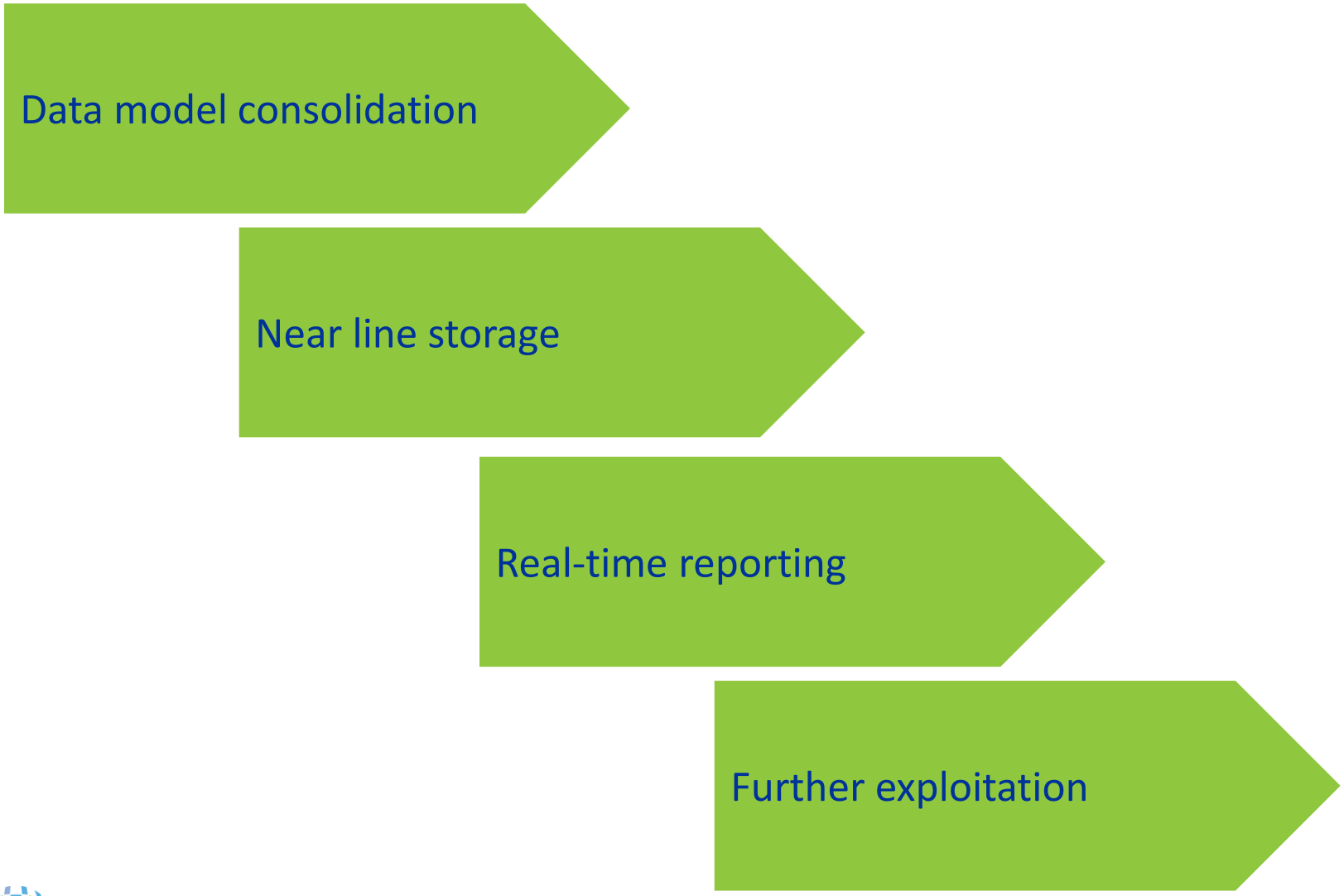
The Future


Data model consolidation
Near line storage
Real-time reporting
Further exploitation

Thank you for listening

Do you have any questions?

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