PointX Cloud Migration

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Abstract

This project focuses on the **cloud-to-cloud migration** of the **PointX** system from **AWS to Microsoft Azure** to align with corporate **budget** and **centralized management policies.** The migration lifecycle involved resource mapping, codebase modification, and new system design, followed by rigorous testing and debugging phases. The project concluded with a successful deployment, verified through functional and non-functional testing to ensure the new Azure infrastructure **maintained full system parity** and operational reliability.

Introduction

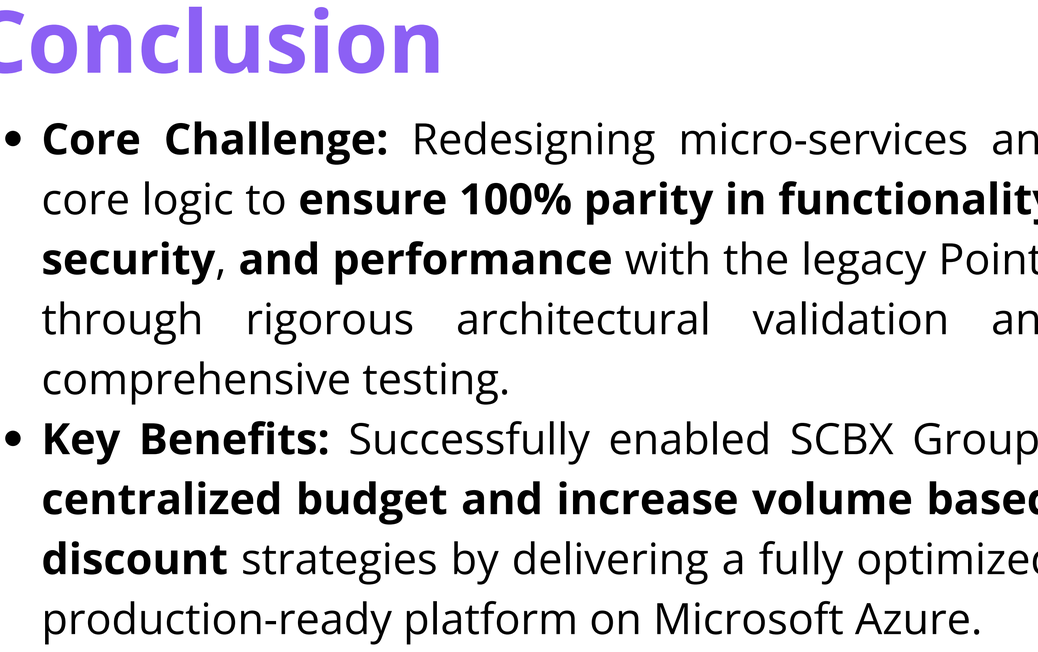
Using multiple cloud providers led to high operational overhead, inconsistent infrastructure, and inefficient cost management within the SCBX Group.

- **Solution:** The **Bill consolidation** strategy was launched to unify all cloud systems under a **Microsoft Azure** ecosystem
- **Objective:** Streamline group-wide operation, **better cost-efficiency**, and **leverage volume discounts**
- **Project:** Migrating the PointX system from AWS to Azure and ensuring full operational readiness on newly migrated environment.

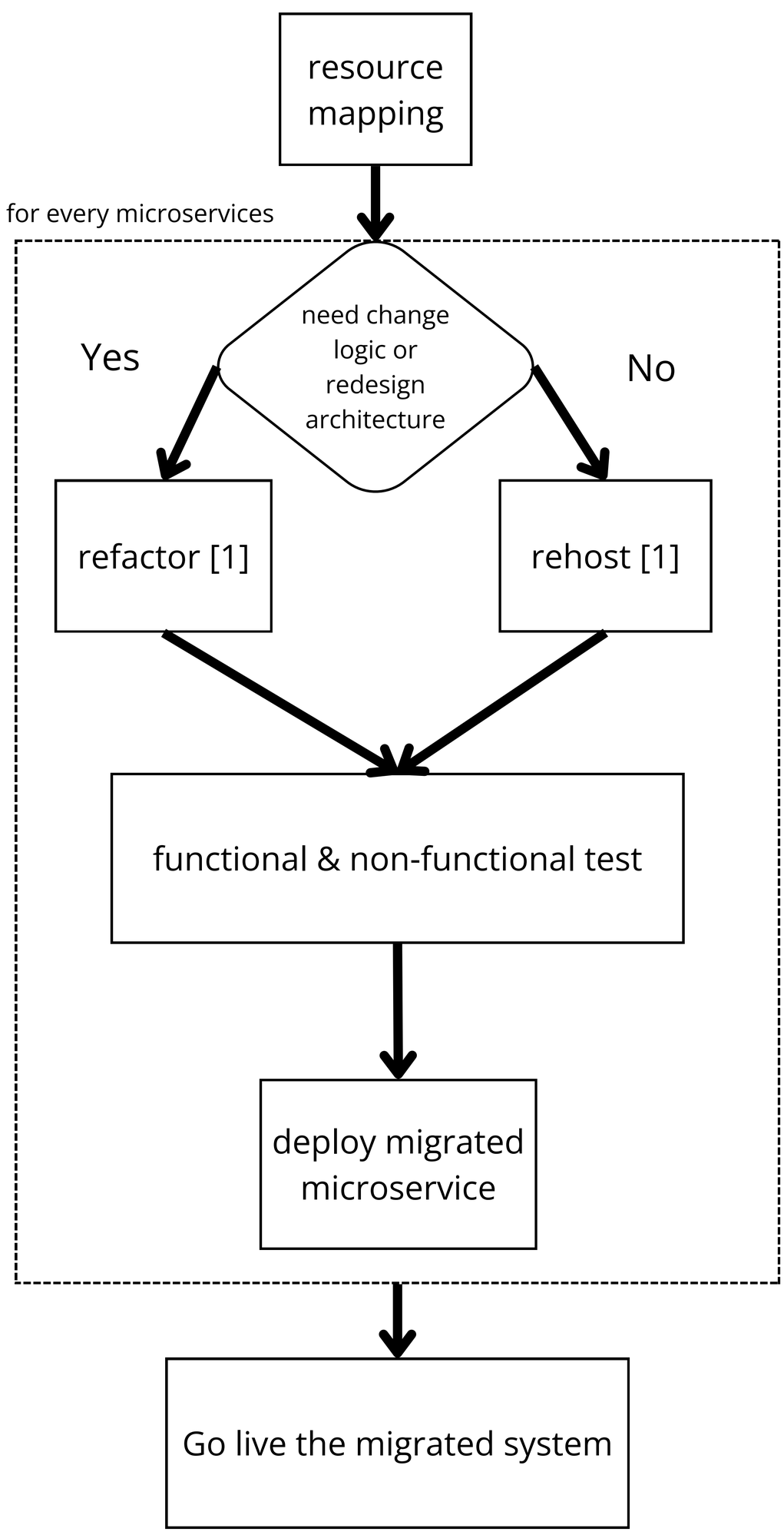
Conclusion

- **Core Challenge:** Redesigning micro-services and core logic to **ensure 100% parity in functionality**, **security**, **and performance** with the legacy PointX through rigorous architectural validation and comprehensive testing.
- **Key Benefits:** Successfully enabled SCBX Group's **centralized budget and increase volume based-discount** strategies by delivering a fully optimized, production-ready platform on Microsoft Azure.

Technologies



Methodology



Reference: [1] Moverick on Cloud. The 6 R's of a Modern Cloud Migration Strategy. Avialable: https://aragoncloud.bbtvnewmedia.com/the-6-rs-of-a-modern-cloud-migration-strategy-912e31c5fb28