

Large Scale DevSecOps Transformation Including IBM Z



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IBM's CIO organization runs the IT which runs IBM

12,000

*IBMers
(6,000 Developers)*

6,000

*Applications,
& Services including z/OS*

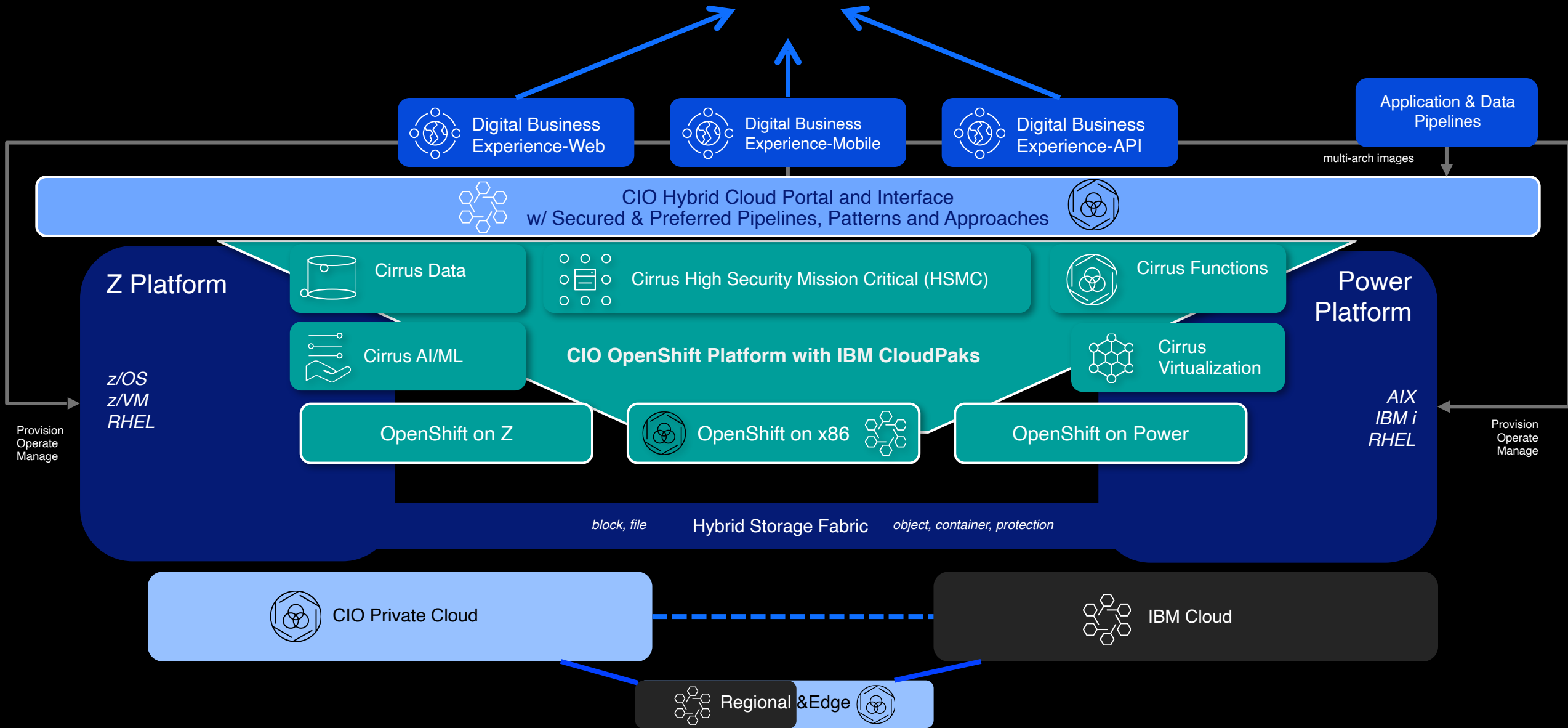
70,000

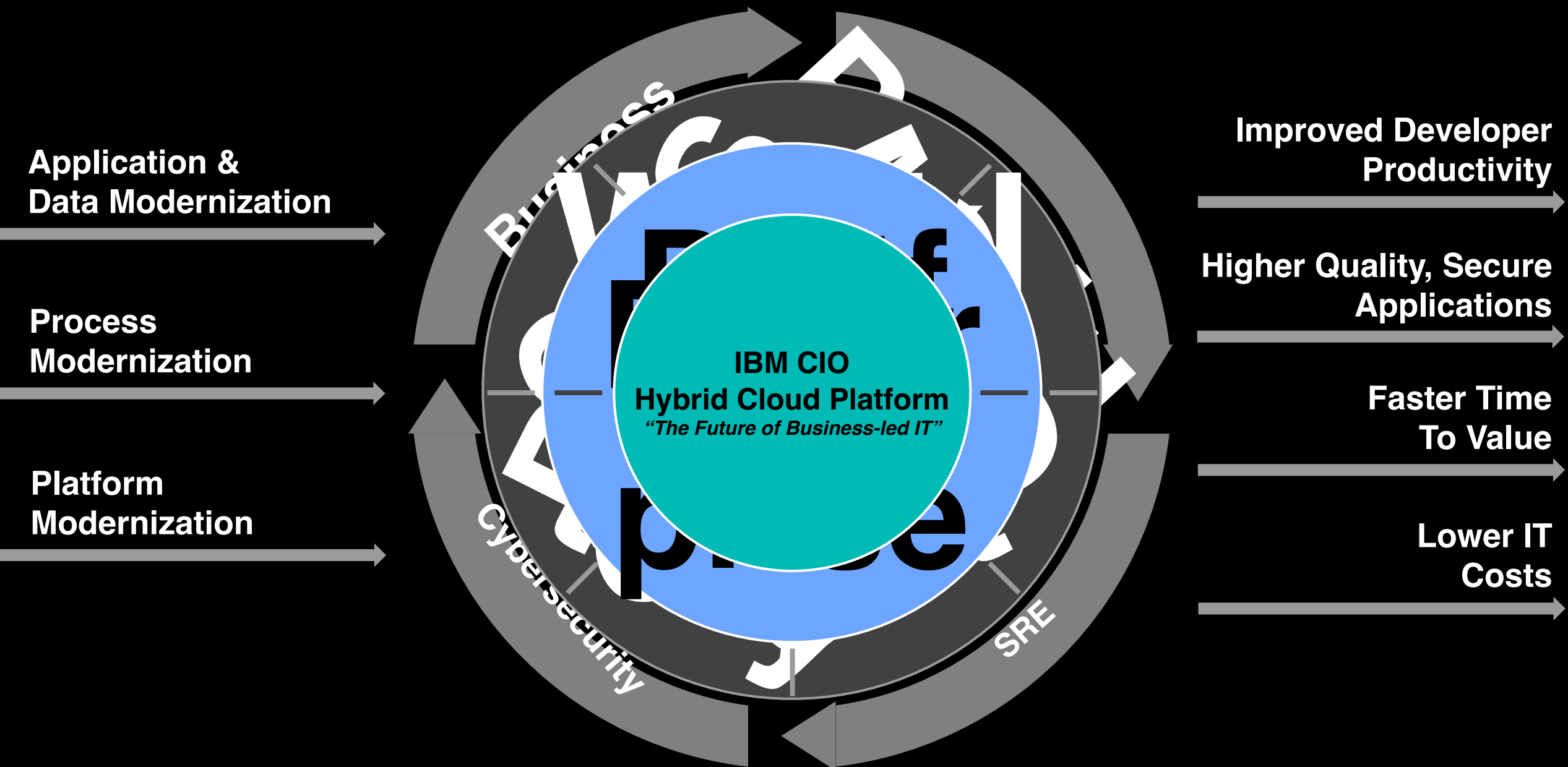
*GitHub Enterprise
Repositories*

*The log4j vulnerability in 4Q 2021
exposed issues with visibility into
our source code repositories*

IBM CIO Hybrid Cloud

An opinionated Hybrid Cloud platform built on IBM hardware, public and private cloud services leveraging IBM and Red Hat products.





The Developer Experience

Improve developer productivity by reducing fragmentation, wasteful and redundant effort through automation, analytics and machine learning.

Centralized CI / CD

Developer Data Lake

Developer Portal

Phase 1

Don't leave me in the dark figuring out what's available and hoping we will benefit.

Offer **flexible guidance** on which tooling and metrics meet my team's needs.

Don't overwhelm me with every data point available.

Focus my **attention** on what is important *in that moment*.

Don't keep me jumping between multiple tools and viewing experiences.

Give me a **single pane of glass** to access all my metrics, with easy transitions into the tools of origin.

Phase 2

Don't require lots of effort to understand and accomplish an integration.

Integrate my tools **quickly** and intuitively.

Don't decontextualize data points encouraging false narratives and requiring me to connect the dots.

Put **data in context** and make it easy to find correlations.

Don't surface charts with jargon and no value proposition.

Make it **easy to understand** the data I'm looking at and why I should care.

Phase 3

Don't force a one-size-fits-all-view that isn't meaningful to me.

Allow **customizations** that align with my values, giving me a better experience than the tools of origin.

Don't bug me with unhelpful suggestions.

Be **smart** and help me take my logical next step.

Don't only cater to team metrics I don't personally seek out.

Provide **value** to me as an individual contributor.

Here's the help we're looking for:

- Does your organization have a centralized or distributed approach to CI / CD?
- How do you emphasize best practices and reuse across your organization?
- How do you provide organization-wide visibility into the composition and security of your products?
- Looking for organizations interested in fully automated z/OS infrastructure pipelines