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Scalable data management and analytics

Mike Boswell



Roadblocks to deriving value from data



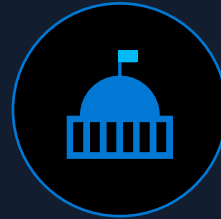
Complexity

- Elaborate architectures that don't scale.
- More teams engaging with data, not just engineering.



Uncertainty

- Constant evolution of tools and options.
- Lack of clear guidance on where to start and how to bring value.



Governance

- Prioritizing security prevents access to data and stifles innovation.
- Lack of consistent processes and policies create data silos.



Skilling

- On-prem knowledge and skill sets don't translate to cloud-based service.
- Need for skilling to adapt to new ways of working.



Time to value

- New solutions can take months to deploy and achieve ROI.
- Inability to provide real-time, trusted data to inform timely business decisions.

Develop and optimize your data strategy and platform

Leverage cloud scale analytics for best practices and executable resources



Empower teams by facilitating data self-service

Increase data agility and accelerate time to value.

Centralized data ownership

IT centrally owns data and all services

Centralized architectures

Competing business needs

Workarounds to enable agility



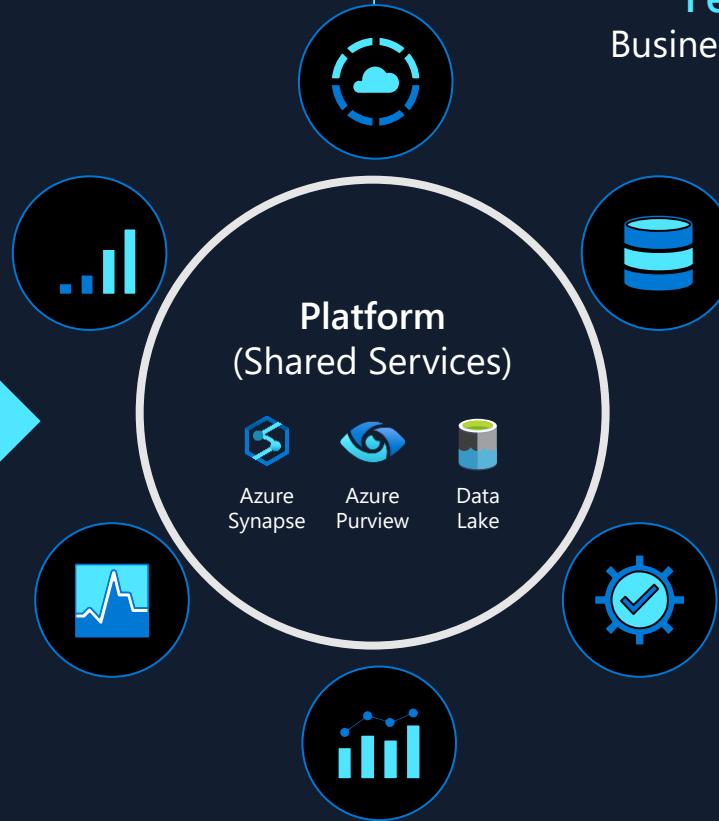
Federated data ownership

Business owns data-driven projects

Common governance and management

Improves quality and security

Increases efficiency and access



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Let's take a step back...

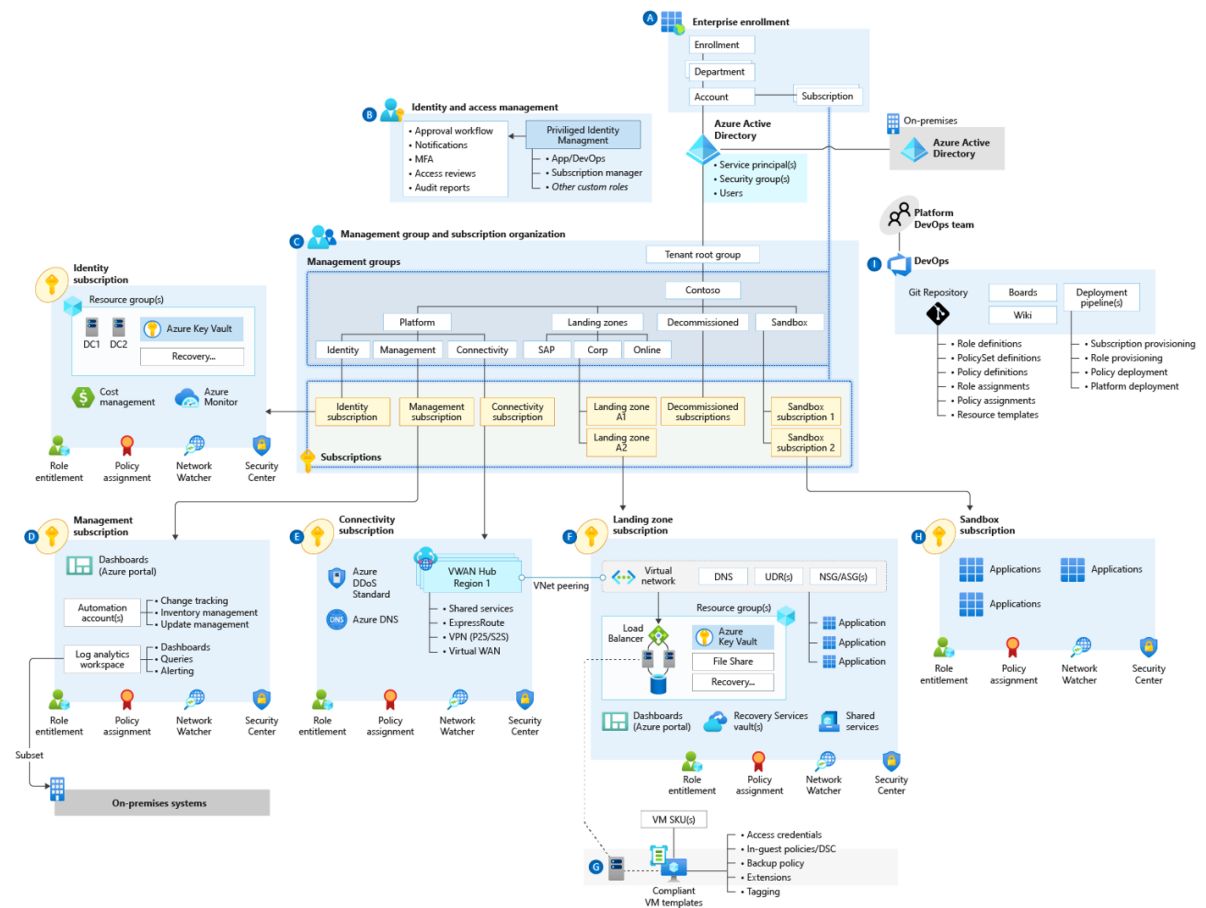


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Azure Landing Zones



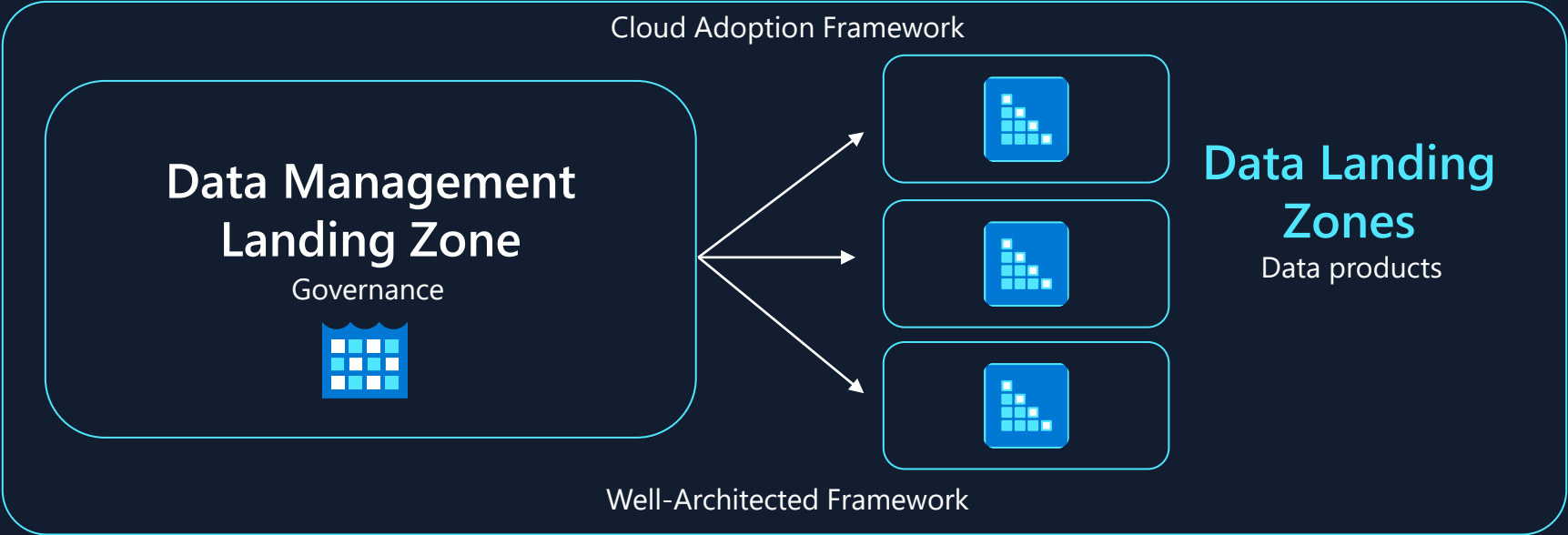
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Foundational design for governance and management

Azure landing zones help you create an agile and secure modern data platform.



Self-service



Scalable



Quick to start



Security



Privacy



Optimized operations



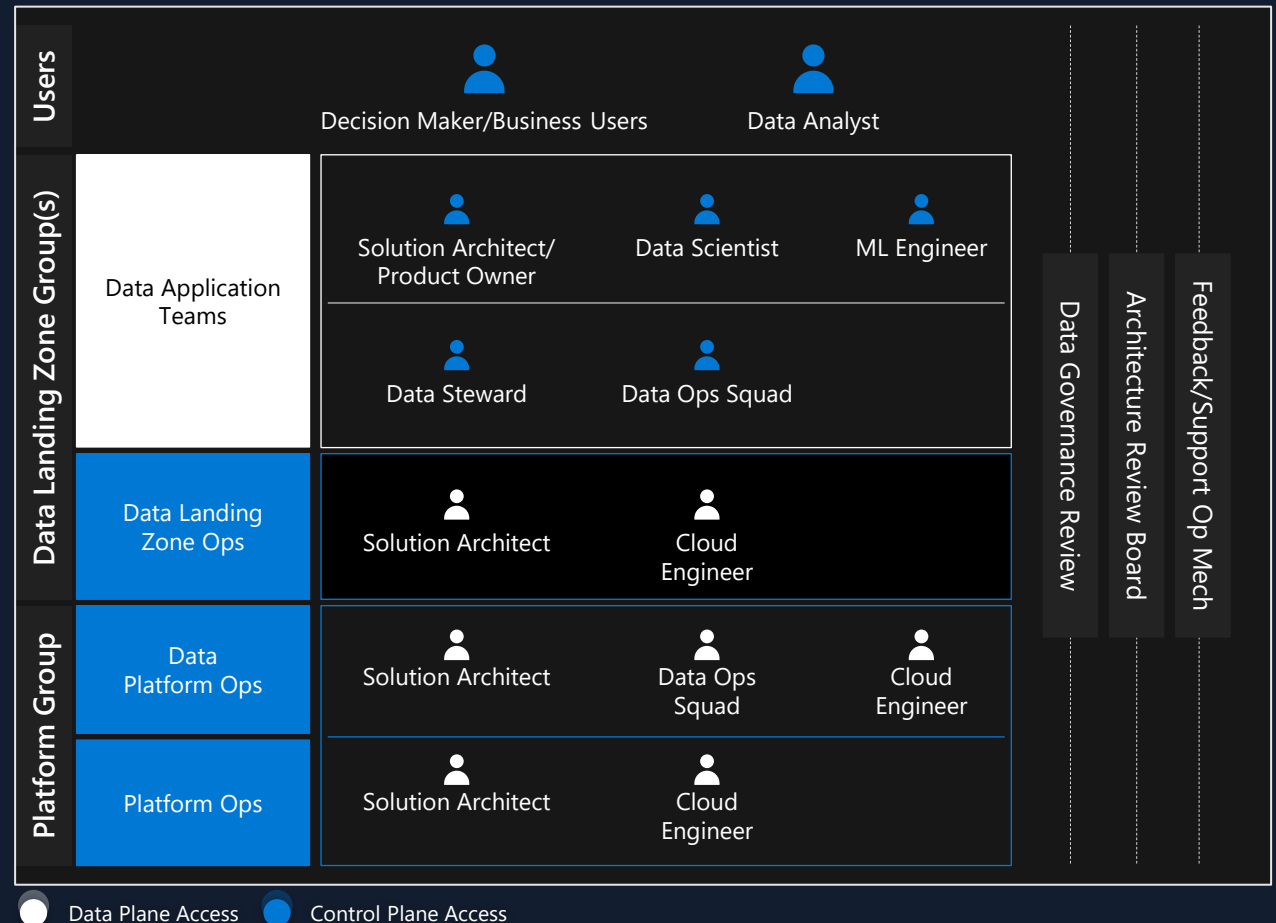
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Modernize your teams and operations

Prescriptive guidance to create agile, vertical, cross-domain teams.

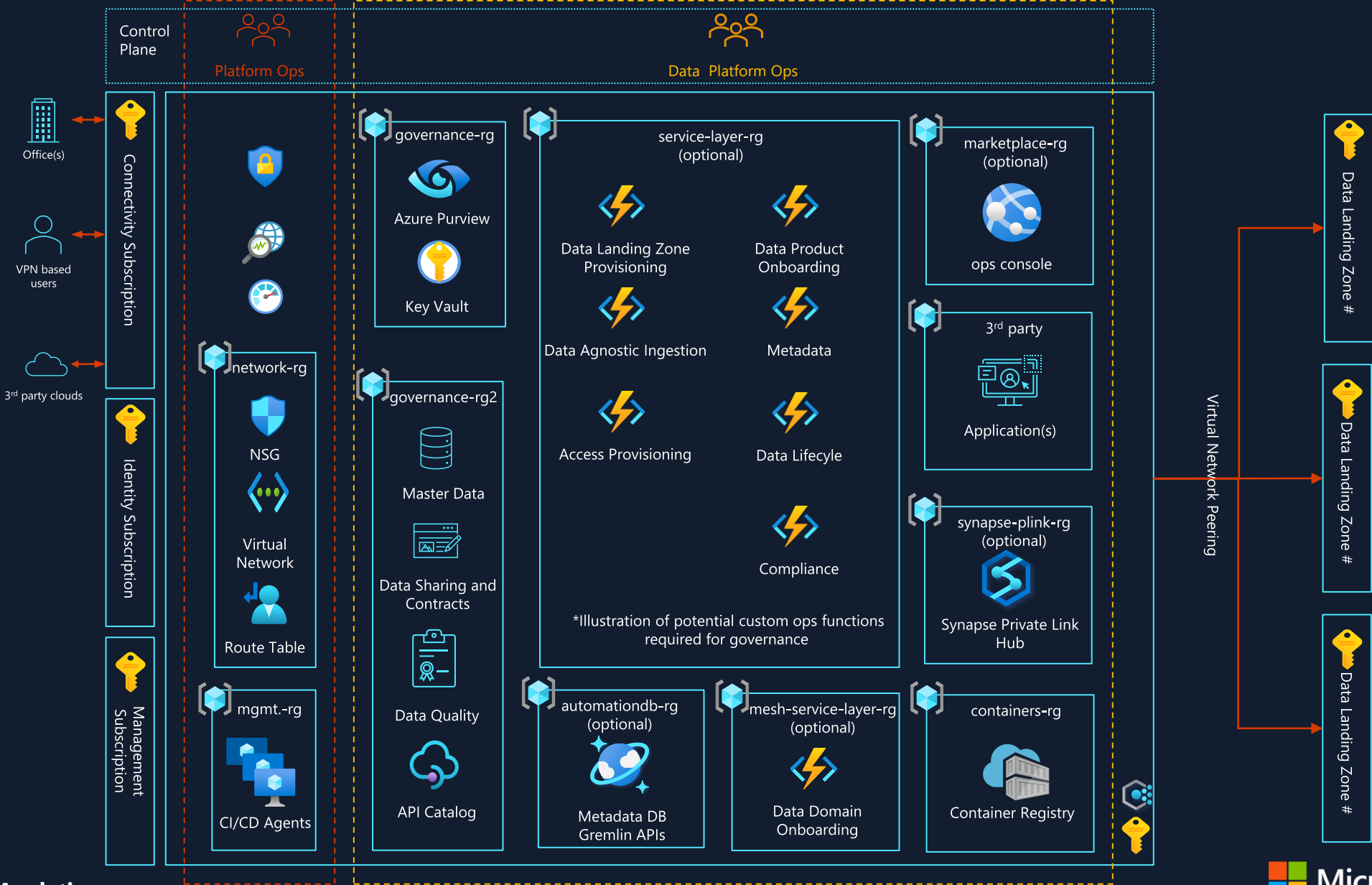
- Define personas, roles, and responsibilities.
- Develop a skilling plan to build capacity to drive your strategy.
- Enable communication between leadership, business, IT, and delivery teams.
- Engage end users continually.

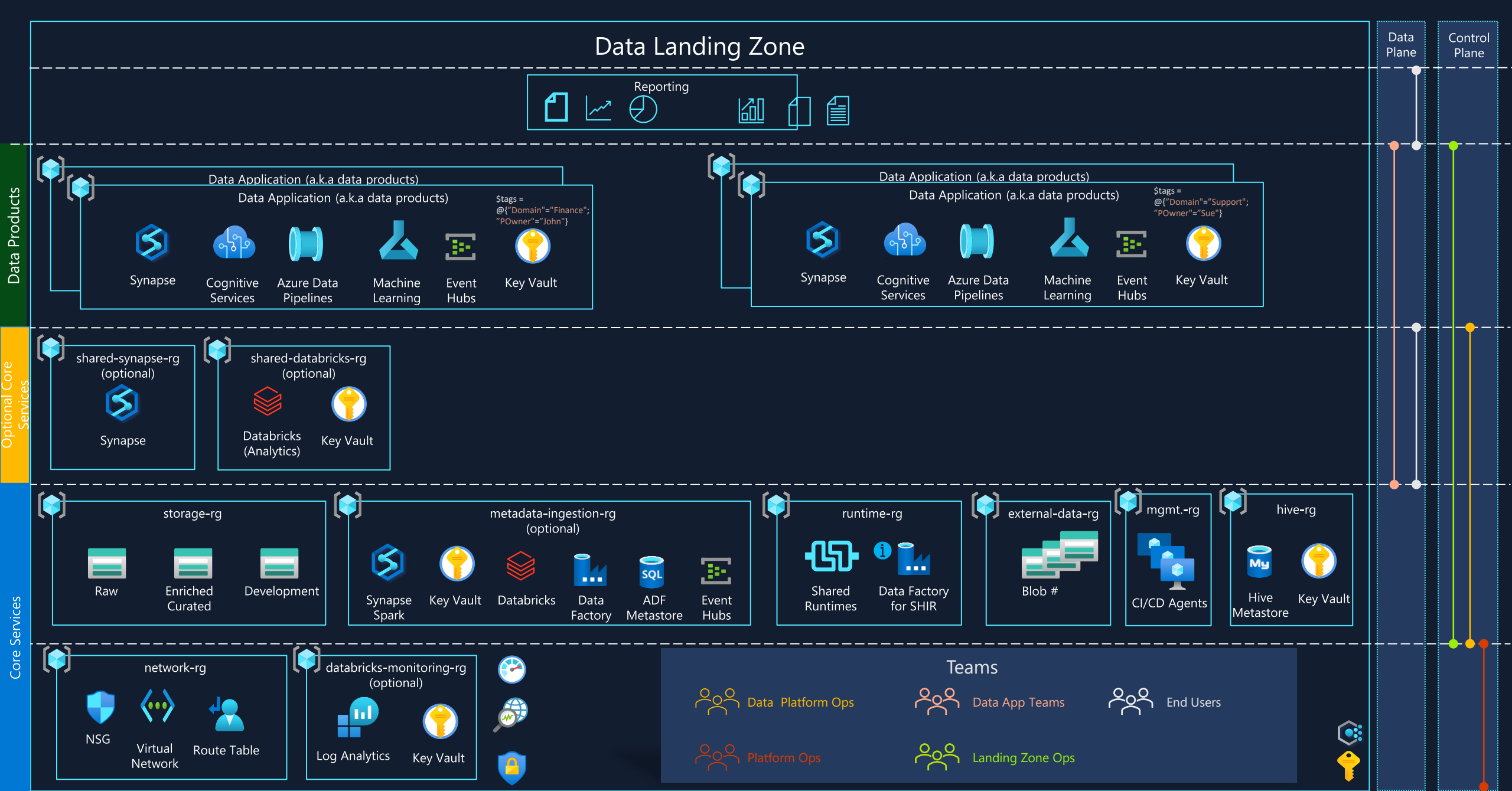


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Data Management Landing Zone





i The Azure Data Factory instance in 'runtime-rg' should not be used for creating pipelines. It is created during a Data Landing Zone deployment to link the Shared Self-hosted Integration Runtimes (SHIRs).



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