
AWS
re:Invent
NOV. 28 – DEC. 2, 2022 | LAS VEGAS, NV

BSI301-R

Architecting multi-tenancy for your apps with Amazon QuickSight

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Agenda

- Need for multi-tenancy
- Pillars of multi-tenancy
- Overview of QuickSight
- QuickSight building blocks
- Demo
- Q&A

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Need for multi-tenancy

Your website/app serves a large number of users from different organizations

You want to include analytics as a value-add feature

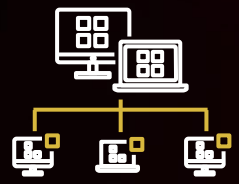
You want to avoid



End customers getting mixed up and data breaches



Setting up multiple instances of analytics application



Creating data source connections /other configs in each instance



Repetitive maintenance tasks across multiple instances



Higher licensing and operating costs

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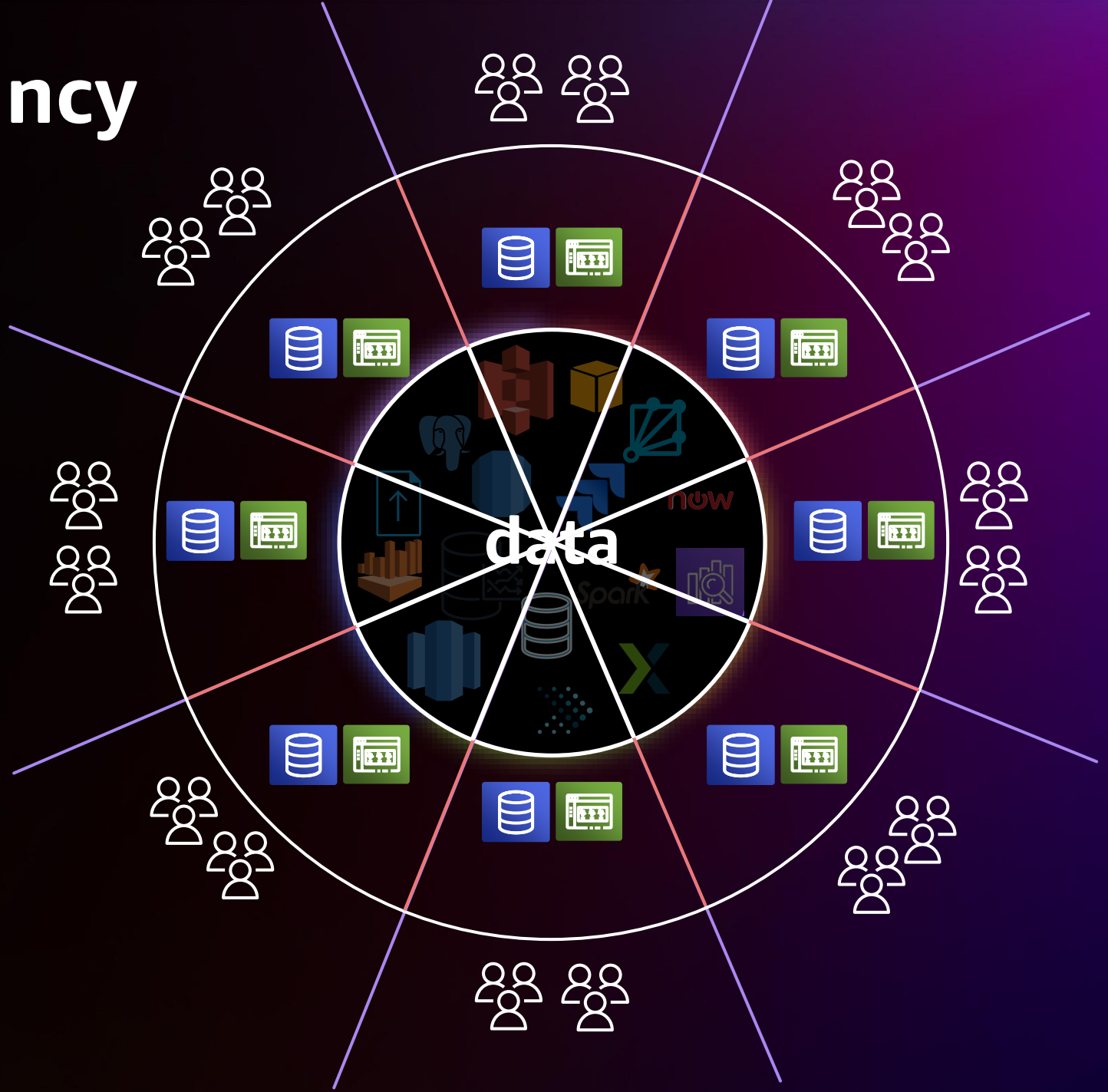
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Pillars of multi-tenancy

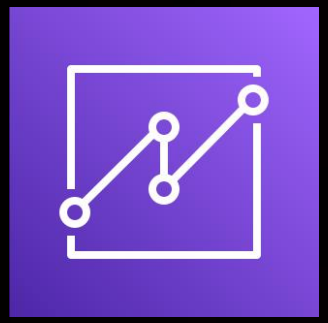
User isolation

Asset visibility

Data security



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Amazon QuickSight

UNIFIED BI SERVICE AT HYPERSCALE

Unified BI for all your analytics needs

Build data-rich experiences fast

Consistent high performance with auto scale

Lower costs with consumption-based pricing

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Amazon QuickSight benefits



Unified BI for all needs

Interactive dashboards, Q, embedded analytics, and paginated reports from the same source of truth



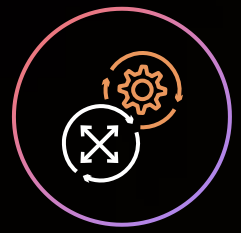
Insights anywhere

Embed easily with extensive APIs, look-n-feel customizations for seamless data experiences in any app or portal



Augmented analytics

Ask questions in natural language with Q—explore forecasts, anomalies, narratives with built-in ML



Auto-scaling

Scale effortlessly to 100k's of users with no servers to manage; scale to 1B+ row datasets with SPICE in-memory data engine



Policy based governance, security

Share securely with row & column-level security, role-based access control, with automated user provisioning



Get more with less

Reduce costs with pay-per-use pricing—no long-term contracts or hidden costs for scaling

Over 100,000 customers use QuickSight

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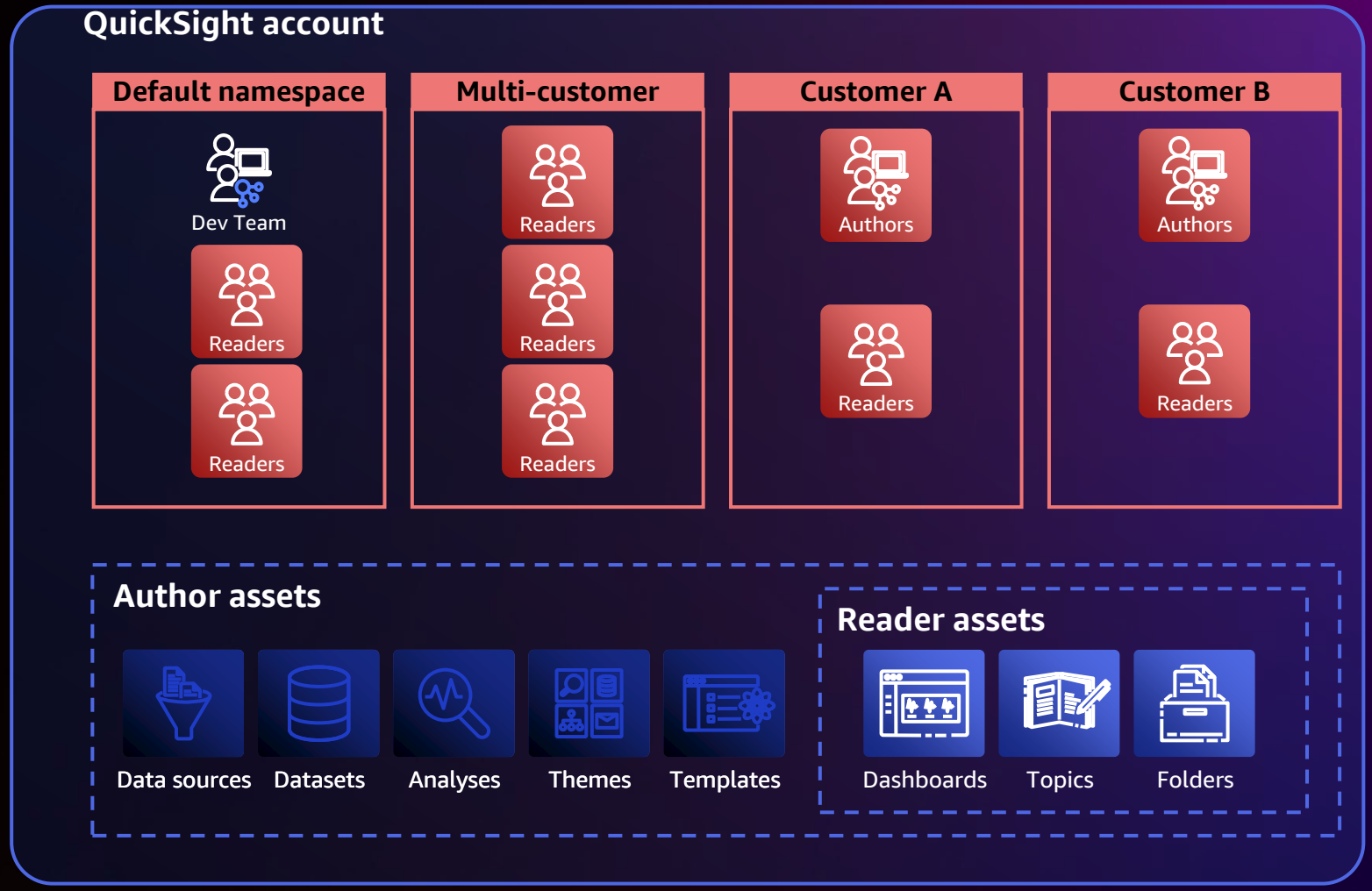
User isolation: Namespaces

Airtight containers for users and groups

Other assets live outside namespaces

Usage patterns

- Reader only
- Authors & readers



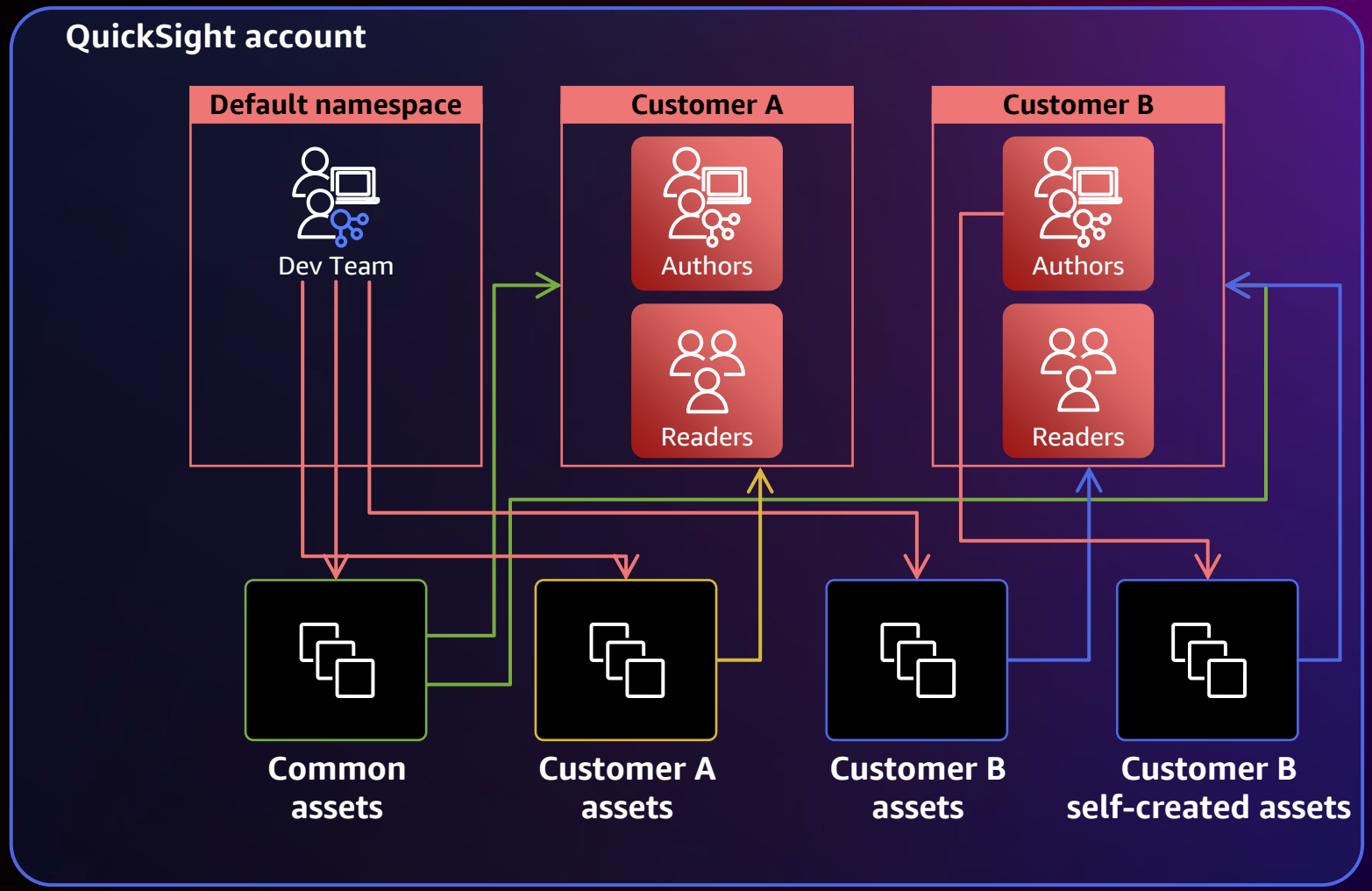
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Asset visibility

Common assets visible to all tenants

Dedicated customer-specific assets visible only to specific tenant(s)

Tenant-authored assets visible only to that tenant

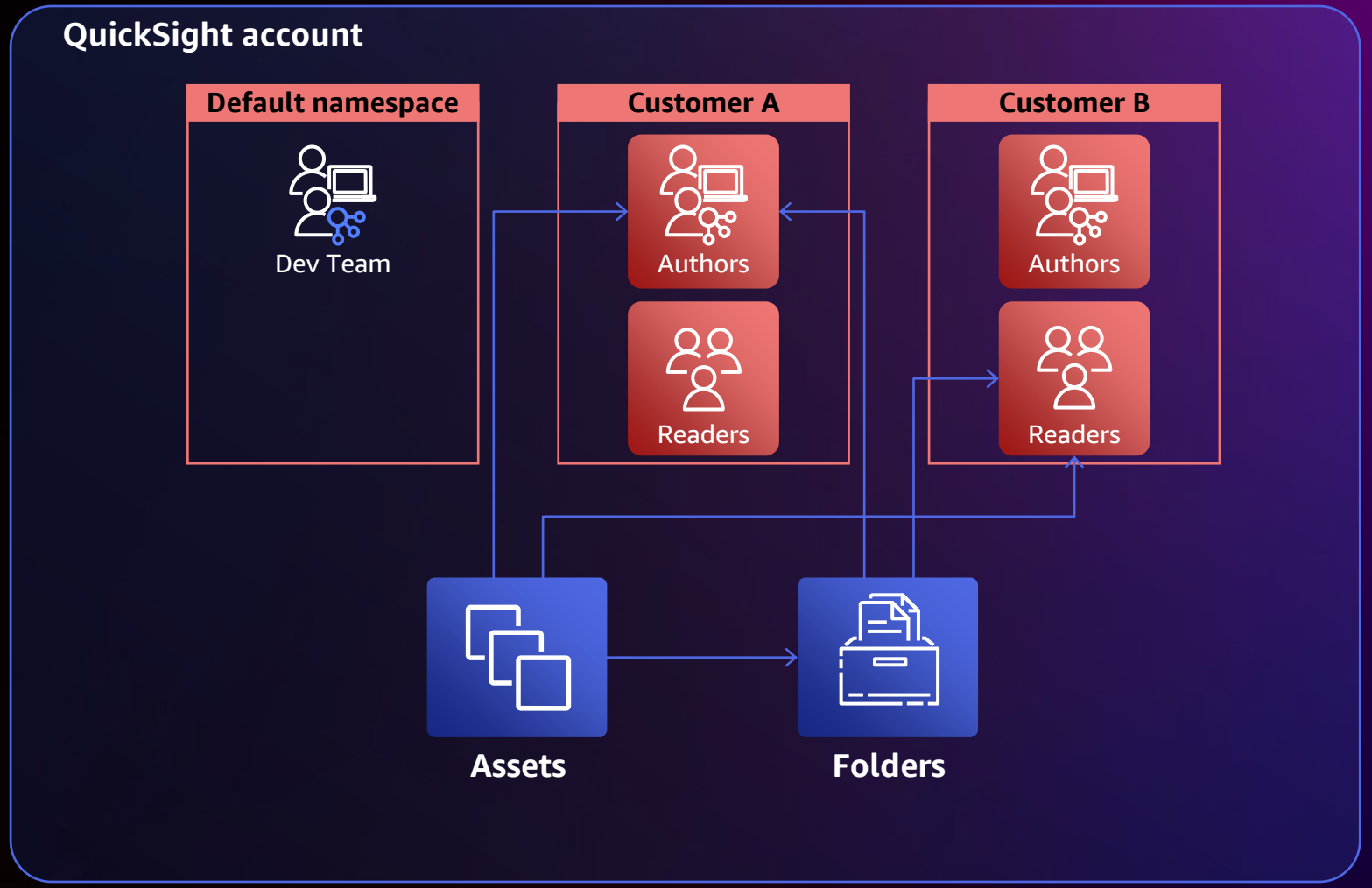


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Asset visibility: Modes of sharing

Assets shared directly with users and/or groups

Assets shared via folders



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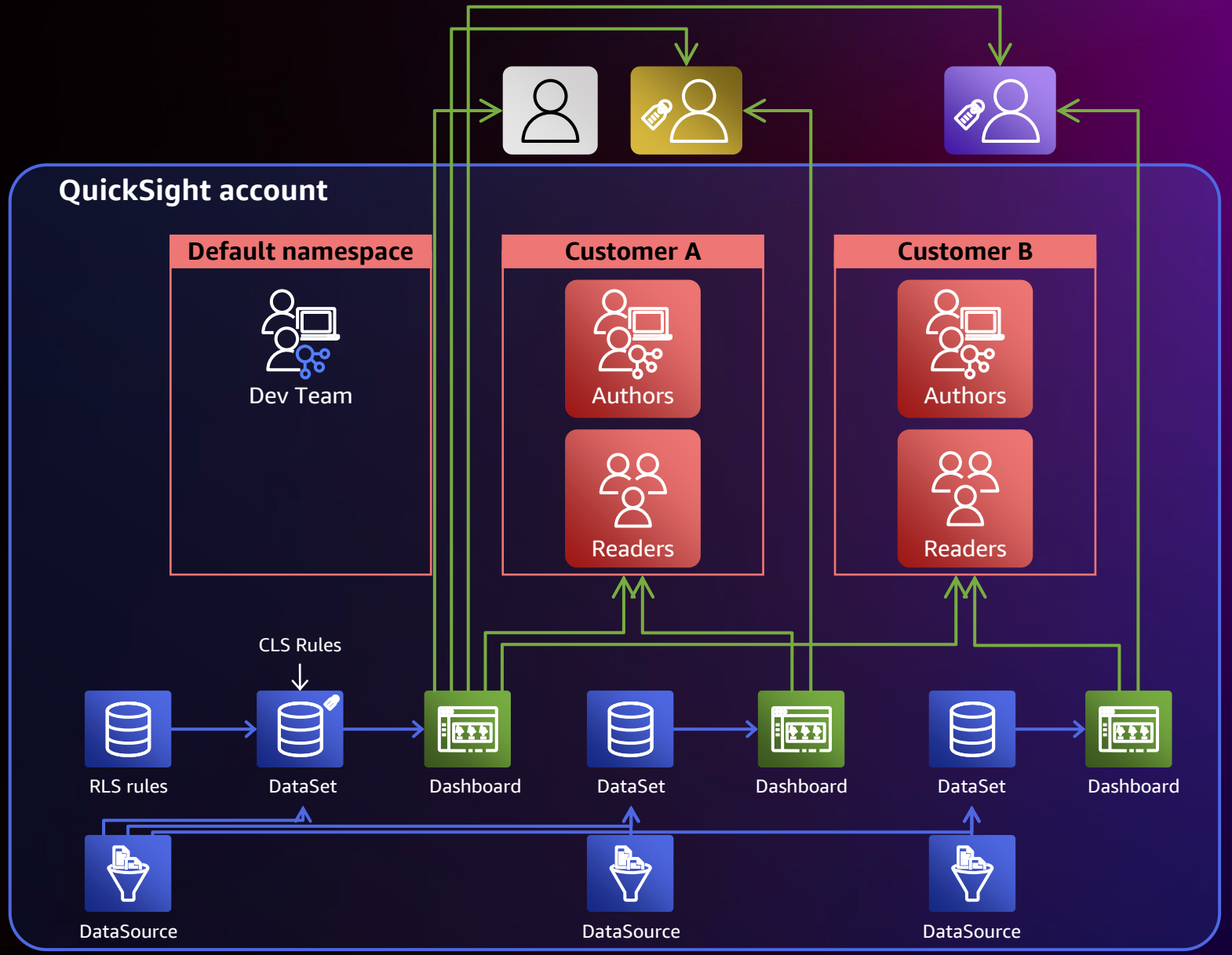
Data security

Benchmark/ common data

- Shared data source, dataset & dashboard

Client-specific data

- Shared data source, secured dataset & dashboard
- Shared data source, cloned filtered dataset & cloned dashboards
- Separate data sources, cloned datasets & cloned dashboards



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Amazon QuickSight @ re:Invent

Monday, 11/28

Workshop
10:45AM | @WYN
Build stunning customized dashboards with Amazon QuickSight

Chalk Talk
12:15PM | @MGM
Insightful dashboards through advanced calculations with QuickSight

Tuesday, 11/29

Chalk Talk
11:45AM | @WYN
Deploy your BI assets at scale to thousands with Amazon QuickSight

Leadership Breakout
2:00PM | @MND
Reinvent how you derive value from your data with Amazon QuickSight

Chalk Talk
2:45PM | @CSR
Architecting multi-tenancy for your apps with Amazon QuickSight

Wednesday, 11/30

Breakout
2:30PM | @WYN
Migrate to cloud-native business analytics with Amazon QuickSight

Breakout
4:45PM | @MGM
Get clarity on your data in seconds with Amazon QuickSight Q

Workshop
5:30PM | @WYN
Seamlessly embed analytics into your apps with Amazon QuickSight

Chalk Talk (repeat)
7:45PM | @WYN
Architecting multi-tenancy for your apps with Amazon QuickSight

Thursday, 12/1

Workshop (repeat)
11:45PM | @CSR
Build stunning customized dashboards with Amazon QuickSight

Breakout
12:30PM | @CSR
Differentiate your apps with Amazon QuickSight embedded analytics

Breakout
3:30PM | @Encore
Optimize your AWS cost and usage with Cloud Intelligence Dashboards

Visit the business intelligence kiosk in the AWS village to speak with QuickSight experts + free swag

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Thank you!

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