

BYOC Isn't a Deployment Decision

It's a control-plane delegation nobody scoped.

Where does the data plane run?



RESIDENCY: YOUR ACCOUNT

REDPANDA

Data plane in your VPC

DATABRICKS

Cross-account role in
your AWS account

AIVEN

VPC created in your
account

The BYOC docs reviewed answer it the same way each time.

Who gets authority over that account?



AUTHORITY: NOT SCOPED

BOOTSTRAP STEP

Redpanda

CROSS-ACCOUNT ROLE

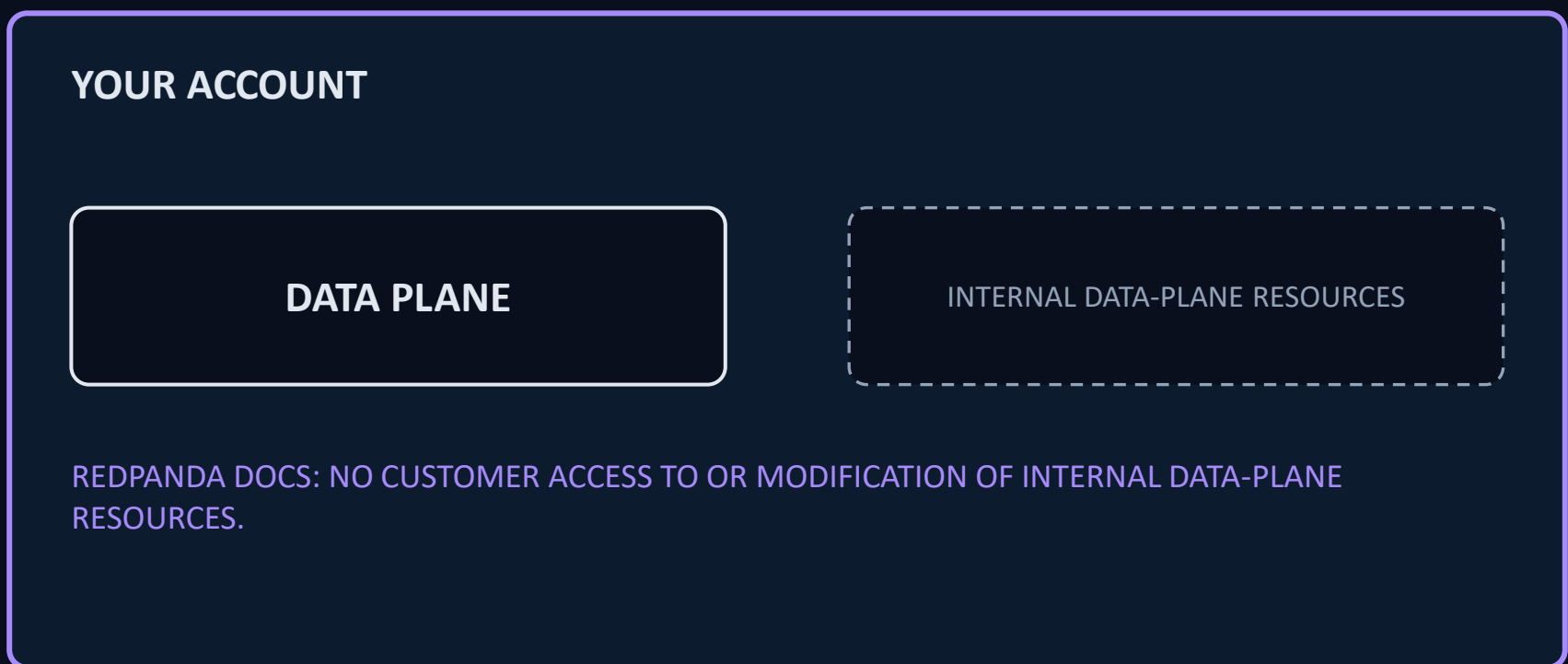
Databricks

TEMPLATE YOU APPLY

Aiven

Deployment establishes that authority through IAM.

Runs in your account. Not controlled by you.



Residency says where the resources live. It doesn't say who can change them.

Same location. Different authority.

BYOC (STANDARD)

IAM ROLE

Created by Redpanda

NETWORKING

Managed by Redpanda

REDPANDA ASSIGNS THE IAM POLICIES

BYOVPC

IAM ROLE

Supplied by the customer

NETWORKING

Pre-created by the customer

AGENT DOES NOT CREATE OR CHANGE THE
NETWORKING

BOTH VARIANTS: DATA PLANE IN THE CUSTOMER'S VPC

Databricks shows the same split.

MANAGED VPC

CROSS-ACCOUNT ROLE PERMISSIONS

Create and delete the VPC, subnets, routes, NAT and gateways.

CUSTOMER-MANAGED VPC

CROSS-ACCOUNT ROLE PERMISSIONS

A smaller set, scopable further with custom restrictions.

BOTH: A CROSS-ACCOUNT IAM ROLE IN THE CUSTOMER'S AWS ACCOUNT

Reduced authority can be a product boundary.

REDPANDA

Existing clusters can't be converted. A BYOVPC cluster can't change VPC.

REDPANDA BYOVPC

An add-on that requires Premium support.

DATABRICKS

Customer-managed VPC requires the Premium plan or above.

The inventory your review should produce

01 INSTALL-TIME GRANT

What does deployment create?

02 RESOURCE SCOPE

What can it touch?

03 CUSTOMER CONSTRAINT

What bounds it?

04 CONTROL-PLANE LOSS

What do the docs say if it's unreachable?

VALIDATION, NOT A CONTROL

NS = NOT STATED IN THE DOCS REVIEWED

Unknown is a result.

CONTROL-PLANE-LOSS BEHAVIOR IN THE DOCS REVIEWED

REDPANDA BYOC

AVAILABLE; MGMT NS

REDPANDA BYOVPC

NS

DATABRICKS MANAGED VPC

NS

DATABRICKS CUSTOMER-MANAGED VPC

NS

AIVEN

NS

Stated for 1 of 5 configurations in the docs reviewed.

Residency tells you where the data sits.

Only the inventory tells you who can act on it.

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