

Empowering PostgreSQL Teams with Redgate's End to End Database Solutions

About Redgate



End-to-end Database DevOps

Market leader with 200,000+
people using our tools



92%

of the Fortune 100
use our tools



Cross database solutions

Over a million
databases monitored



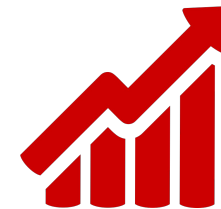
750+

Product releases
during 2023



Community Support

12m people a year use our
educational resources



Growth goal

\$150m ARR by 2026

SAMSUNG



VISA

m
sc



Disney

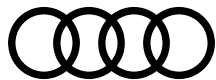


★ HEINEKEN

AstraZeneca



PHL



BANK OF AMERICA



Coca-Cola

IBM

Trusted by 92% of the Fortune 100

Core challenges



Improve
Efficiency

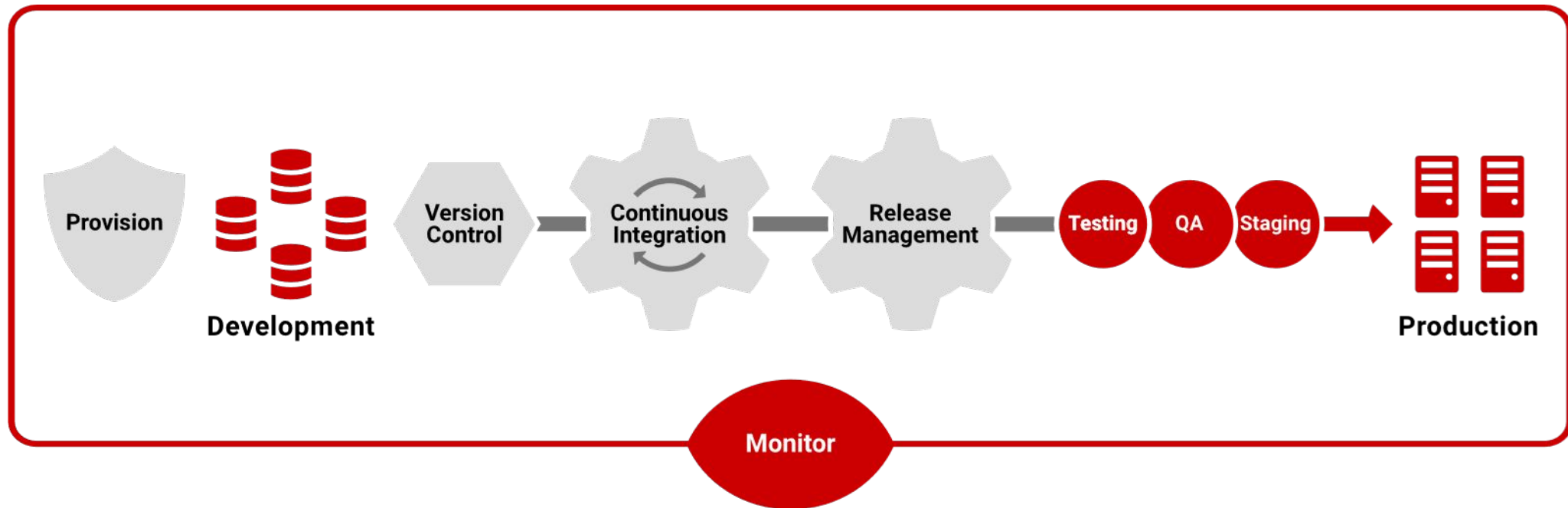


Enable
Innovation



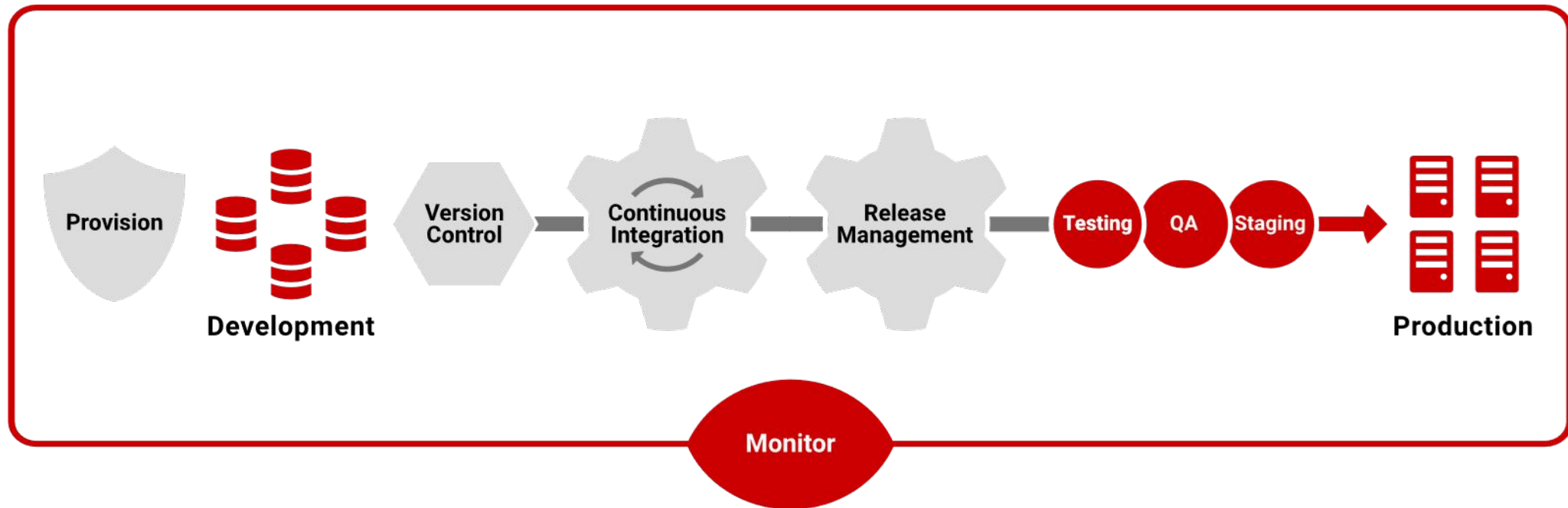
Ensure
Compliance

What does End-to-end Database DevOps look like?



Reliably get value from multiple platforms, faster

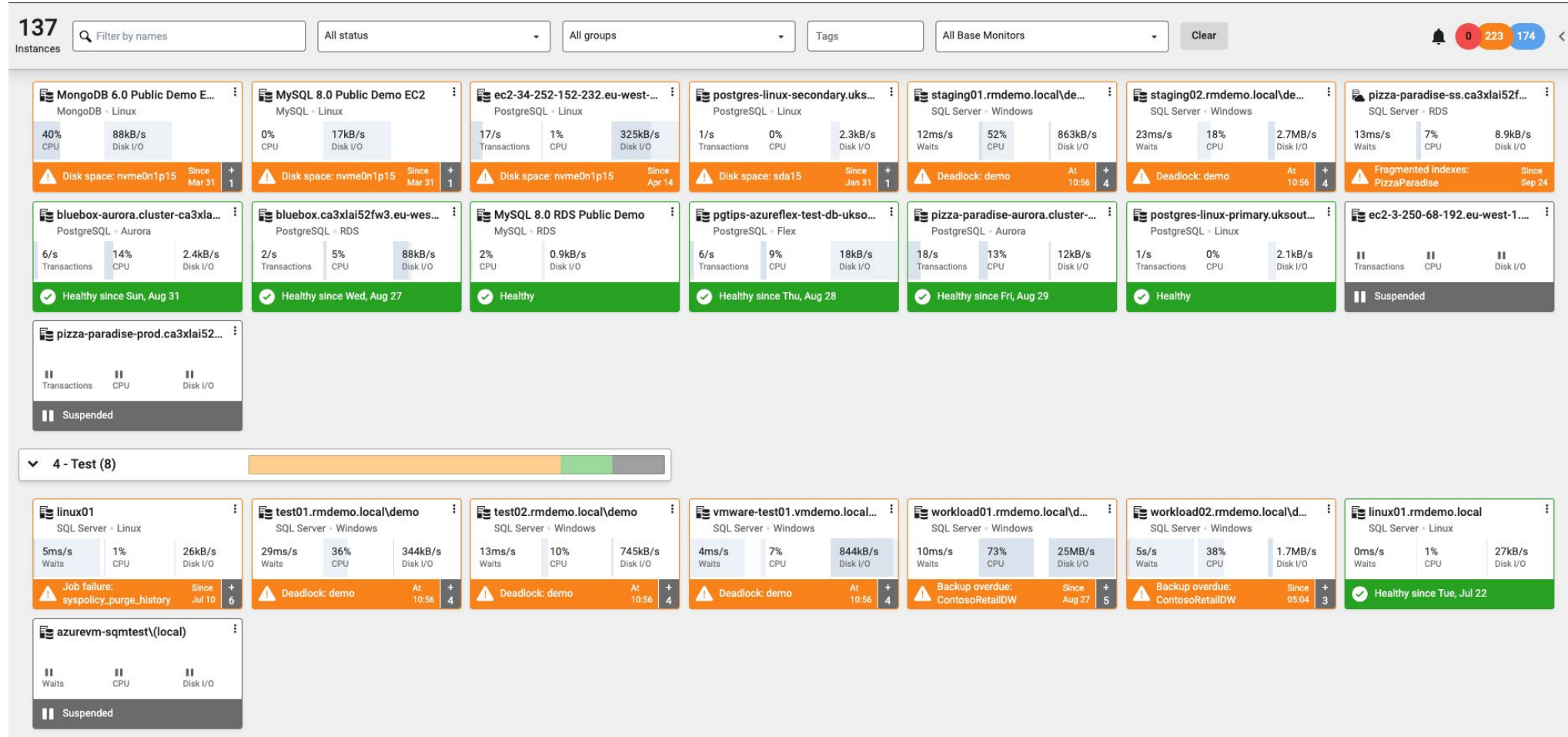
What does End-to-end Database DevOps look like?



Increase database **visibility** and **monitor** in a single pane of glass

Monitor

Optimize **performance**, ensure **security**, and enhance **visibility** across the database estate



ORACLE



Monitor

Optimize **performance**, ensure **security**, and enhance **visibility** across the database estate

Monitor

Overview

Alerts

Analysis

Reports

Estate

Security

5

Instances

Filter by names

All status

All groups

Tags

Clear

What's new

redgate

+ Add monitored server

Group by

Server group

Health status

Order by

Name

Severity

Cards

One active alert on the dashboard is now over a week old.

clear all | view alerts

1 - Production (5)

rg-se-aurora-lab-instance-1-e...

PostgreSQL - RDS

0/s

0%

0kB/s

Transactions

CPU

Disk I/O

Monitoring stopped (instance credentials)

Since Aug 14

1

Postgres

PostgreSQL - Linux

1/s

87%

67MB/s

Transactions

CPU

Disk I/O

Processor (CPU) utilization

Since 13:40

1

Mongo

MongoDB - Linux

87%

67MB/s

CPU

Disk I/O

Processor (CPU) utilization

Since 13:40

1

Mysql

MySQL - Linux

87%

67MB/s

CPU

Disk I/O

Processor (CPU) utilization

Since 13:40

1

NewWorldDB

SQL Server - Azure

11 %

11 %

0 %

0 %

DTU

CPU

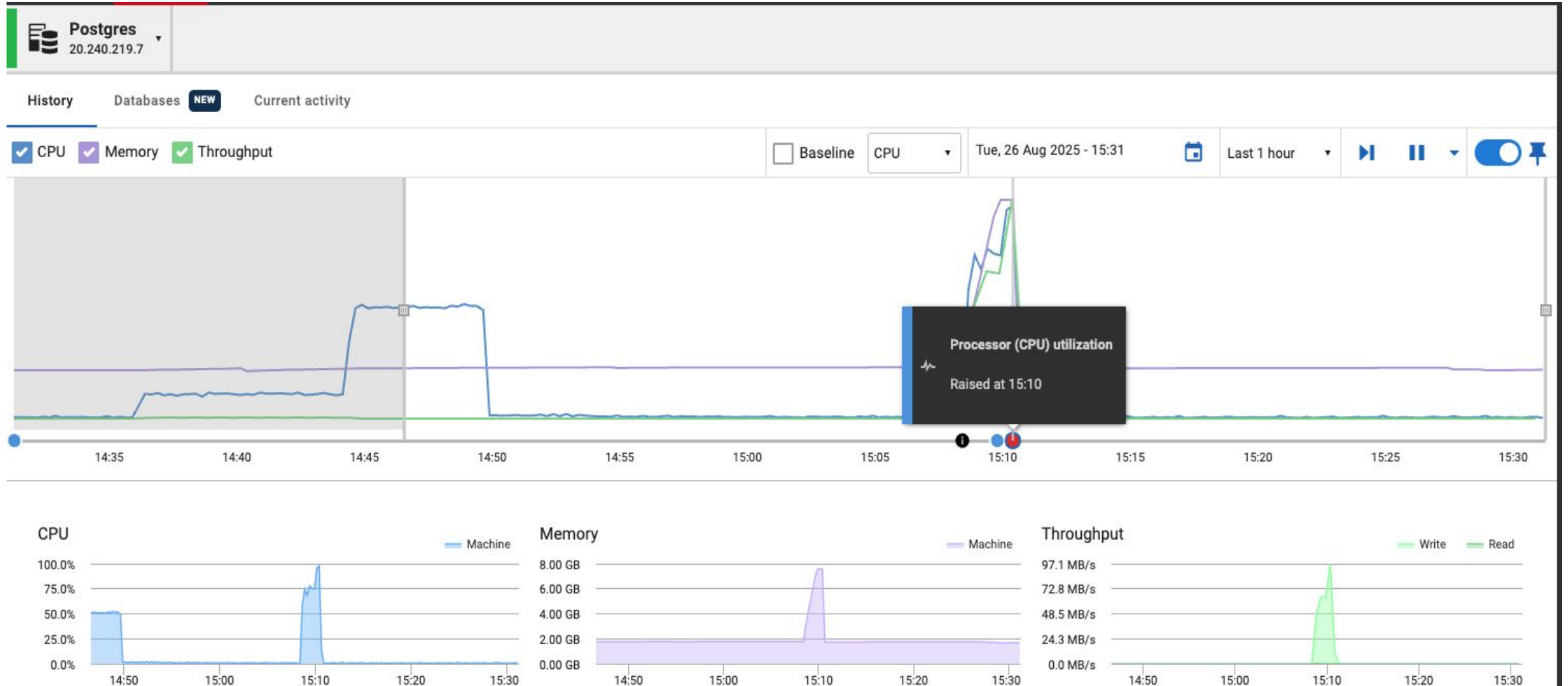
Data I/O

Log I/O

Healthy since 13:10

Monitor

Optimize **performance**, ensure **security**, and enhance **visibility** across the database estate



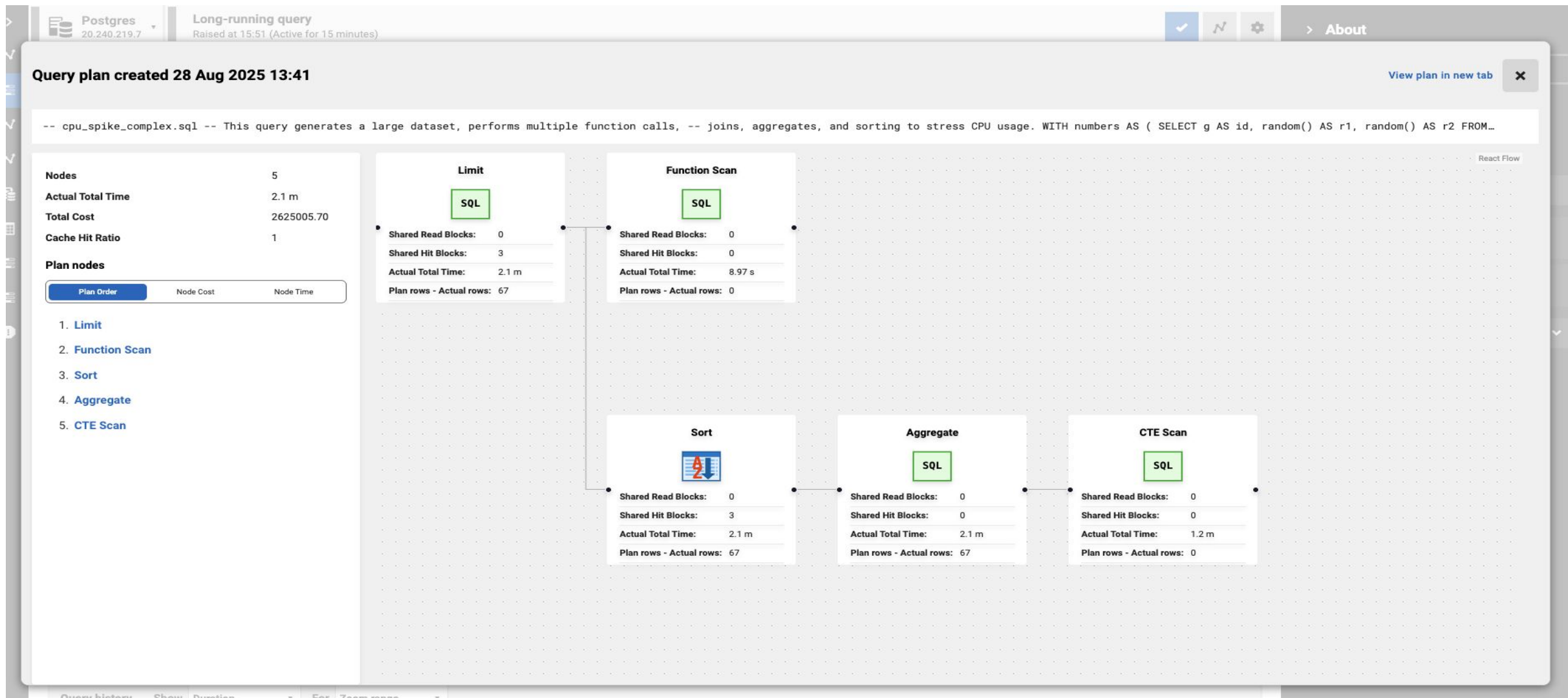
Monitor

Optimize **performance**, ensure **security**, and enhance **visibility** across the database estate

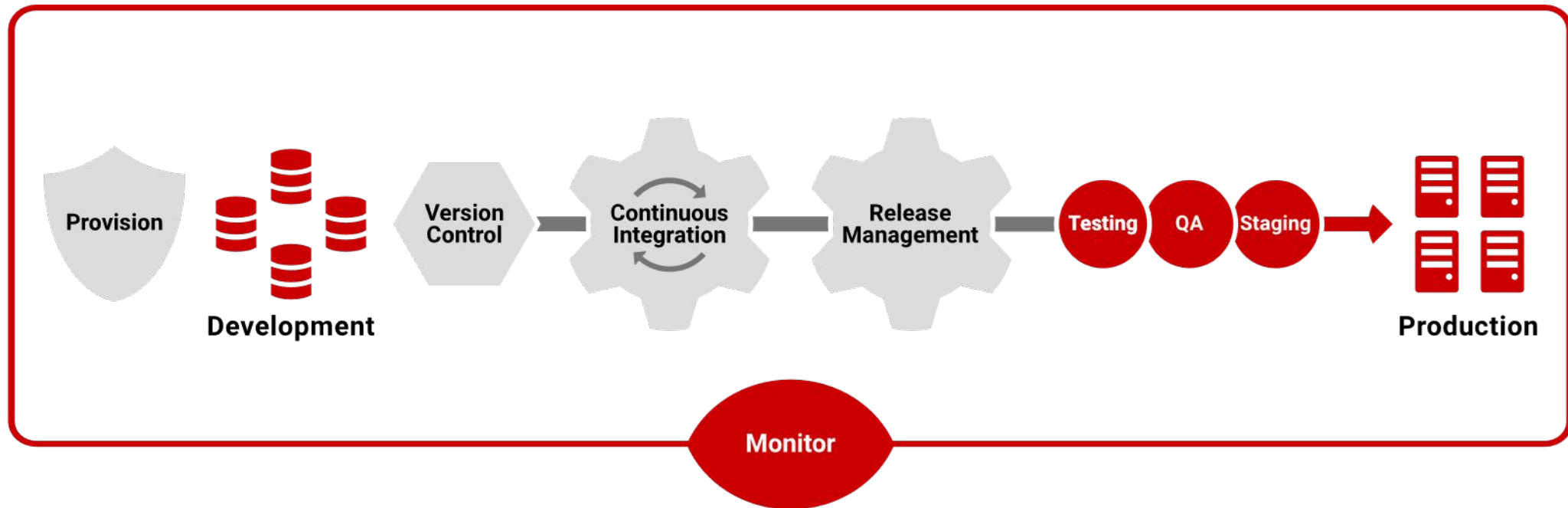


Monitor

Optimize **performance**, ensure **security**, and enhance **visibility** across the database estate



What does End-to-end Database DevOps look like?



Quickly **Provision** compliant non-production environments

Key test data challenges organizations face



Exposed PII

60% of developers still use production data, putting sensitive data at risk

IDC InfoBrief, sponsored by Redgate, *Simplifying Complexity and Delivering Business Value: Making Database DevOps Work in the Real World*
doc #EUR252966324, February 2025.



Failed releases

34% said 'test data comparable to production' was the key challenge to ensuring quality of solutions

2024 World Quality Report,
page 46



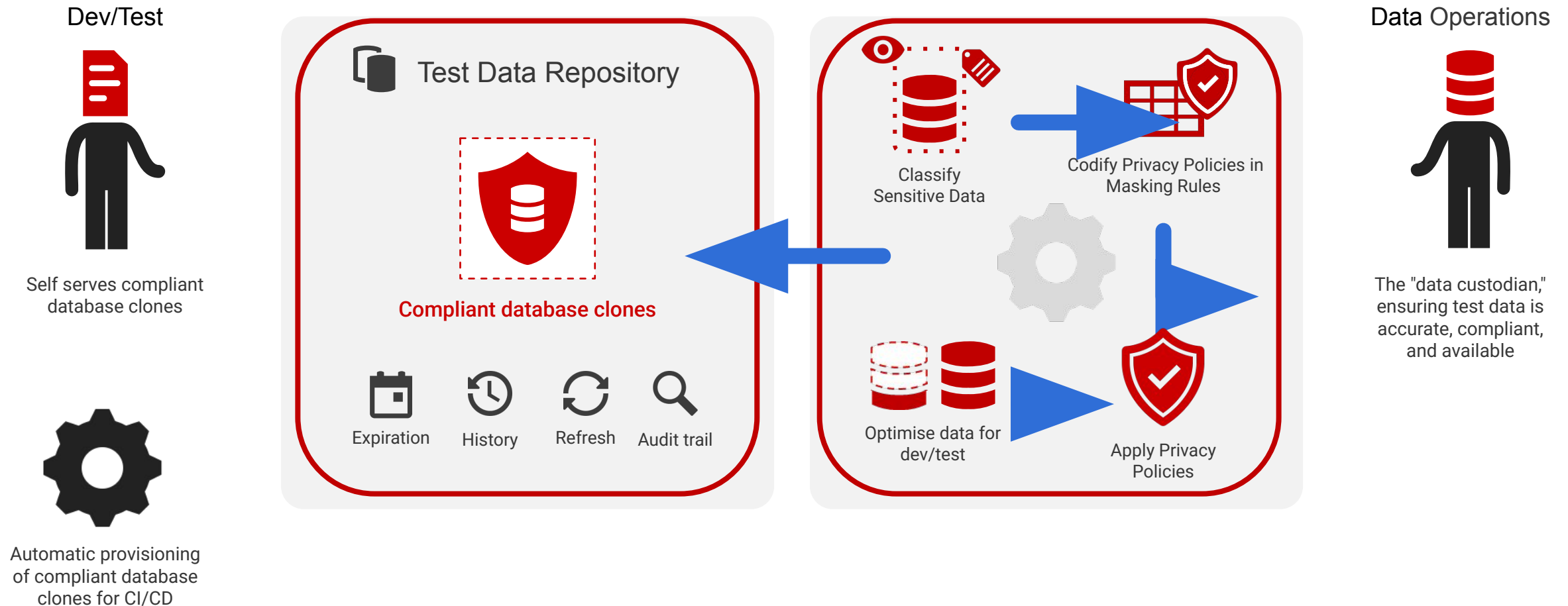
Reduced efficiency

23% of organizations provision test data monthly, with 20% only refreshing every quarter

54% are using a full-size backup of production

Redgate State of Database Landscape Report 2025

redgate | The Redgate Test Data Manager Process





Test Databases

Images (4)

Clones (0)



Create New Image



PASSDataSummit_Maske...

0 clones



Sensitive data replaced



No subset applied

View image

Create clone



Postgres_Pagila_Mask...

0 clones



Sensitive data replaced



No subset applied

View image

Create clone



MySQL_Sakila_Masked

0 clones



Sensitive data replaced



No subset applied

View image

Create clone



StackOverflow_Masked...

0 clones



Sensitive data replaced



Small subset (approx. 1GB)

View image

Create clone

With the flexibility to fit your workflow



A single user interface for simplicity

Easily view and manage sensitive data classifications, suggested masking sets, and subsetting preferences with the centralized graphical user interface (GUI).

Automate processes with the command line interface

Automate data treatment processes and the delivery of high-quality test data as part of your CI/CD pipelines or workflows.


Database models > model-01 > anonymize-treatment-01

anonymize-treatment-01

Run Anonymize

Anonymization

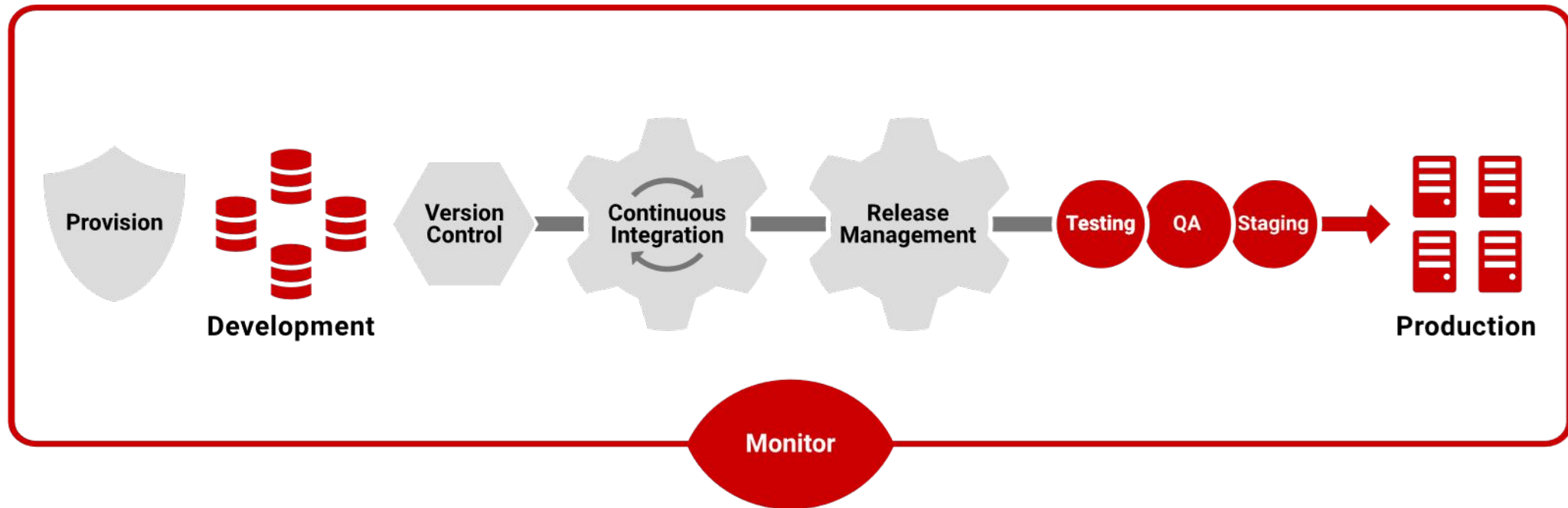
 Search column...

Filters : Dataset ▾ Deterministic ▾ [Clear filters](#) 

Bulk actions : Replace with ▾ Set determinism

<input type="checkbox"/>	Column Name	Dataset	Deterministic
<input type="checkbox"/>	id <i>dbo.Orders</i>	No data replaced ▾	
<input type="checkbox"/>	userId <i>dbo.Orders</i>	No data replaced ▾	
<input type="checkbox"/>	productId <i>dbo.Orders</i>	No data replaced ▾	
<input type="checkbox"/>	deliveryStreet <i>dbo.Orders</i>	StreetAddresses ▾	<input checked="" type="checkbox"/>
<input type="checkbox"/>	deliveryPostCode <i>dbo.Orders</i>	PostCodes ▾	<input type="checkbox"/>
<input type="checkbox"/>	orderPlaced <i>dbo.Orders</i>	No data replaced ▾	
<input type="checkbox"/>	id <i>dbo.Products</i>	No data replaced ▾	
<input type="checkbox"/>	name <i>dbo.Products</i>	No data replaced ▾	
<input type="checkbox"/>	stockCount <i>dbo.Products</i>	No data replaced ▾	
<input type="checkbox"/>	id <i>dbo.Users</i>	No data replaced ▾	

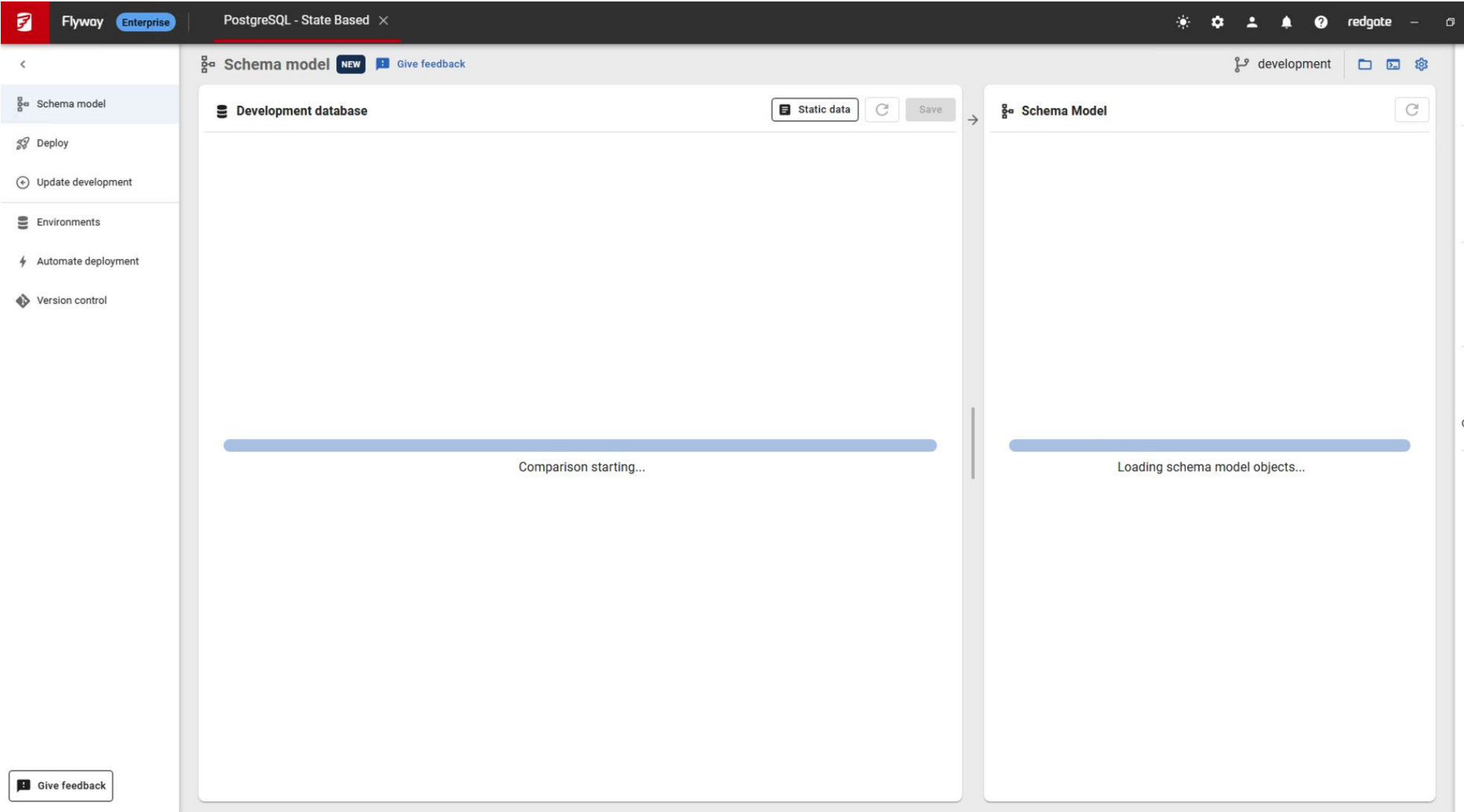
What does End-to-end Database DevOps look like?



Version Control your database, anytime, anywhere

Automate

Effortlessly track database changes with a single source of **truth** and increase **reliability** of deployments



Automate

Effortlessly track database changes with a single source of **truth** and increase **reliability** of deployments

Flyway

Enterprise

PostgreSQL - Migrations Based

Update downloaded. Flyway Desktop version 8.4.4 will be installed on exit. Details

Schema model

Generate migrations

Migration scripts

Update development

Environments

Automate deployment

Version control

dev

Static data

Save

0 of 3 selected

Updated a few seconds ago

Object name	Change type	Object ...	Schema
loyalty_customer_id_idx	+ Create	Index	pagila
loyalty.loyalty_customer_fk	+ Create	Foreign key	pagila
loyalty	+ Create	Table	pagila

Schema model

Current loyalty

New loyalty

```
1+CREATE TABLE pagila.loyalty (  
2+  customer_id integer,  
3+  "loyalty card number" character varying,  
4+  "loyalty card status" character varying  
5+);  
6+ALTER TABLE pagila.loyalty OWNER TO postgres;
```

Schema Model

dev

Updated 4 minutes ago

Object name

No schema

Schemas

pagila

Aggregates

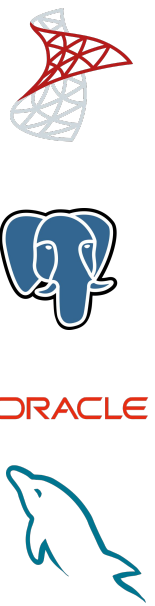
Domains

Enums

Functions

Sequences

Give feedback



Automate

Effortlessly track database changes with a single source of **truth** and increase **reliability** of deployments

Flyway

Enterprise

PostgreSQL - Migrations Based

Update downloaded. Flyway Desktop version 8.4.4 will be installed on exit. Details

Schema model

NEW

Give feedback

dev

Static data

Save

0 of 3 selected

Updated a minute ago

Object name	Change type	Object ...	Schema
loyalty_customer_id_idx	+ Create	Index	pagila
loyalty.loyalty_customer_fk	+ Create	Foreign key	pagila
loyalty.loyalty_customer	+ Create	Table	pagila

loyalty.loyalty_customer_fk

Schema model

Current loyalty.loyalty_customer_fk

1-

New loyalty.loyalty_customer_fk

1+ALTER TABLE pagila.loyalty ADD CONSTRAINT loyalty_cus

Schema Model

Updated 4 minutes ago

Object name

No schema

Schemas

pagila

Aggregates

group_concat(text)

Domains

year

Enums

mpaa_rating

Functions

film_in_stock(integer, integer)

film_not_in_stock(integer, integer)

get_customer_balance(integer, timestamp with time zone)

inventory_held_by_customer(integer)

inventory_in_stock(integer)

last_day(timestamp with time zone)

last_updated()

rewards_report(integer, numeric)

_group_concat(text, text)

Sequences

actor_actor_id_seq

address_address_id_seq

category_category_id_seq

city_city_id_seq

Give feedback

Git

never

Pull

Commit

Push

ORACLE

Automate

Effortlessly track database changes with a single source of **truth** and increase **reliability** of deployments

Flyway

Enterprise

PostgreSQL - Migrations Based

Update downloaded. Flyway Desktop version 8.4.4 will be installed on exit. Details

Schema model

NEW Give feedback

dev

Static data

Save

0 of 3 selected

Updated a minute ago

Object name	Change type	Object ...	Schema
loyalty_customer_id_idx	+ Create	Index	pagila
loyalty.loyalty_customer_fk	+ Create	Foreign key	pagila
loyalty	+ Create	Table	pagila

Schema model

Current loyalty_customer_id_idx

1-

Schema model

New loyalty_customer_id_idx

1+CREATE INDEX loyalty_customer_id_idx ON pagila.loyalt

Schema Model

Updated 5 minutes ago

Object name

No schema

Schemas

pagila

Aggregates

group_concat(text)

Domains

year

Enums

mpaa_rating

Functions

film_in_stock(integer, integer)

film_not_in_stock(integer, integer)

get_customer_balance(integer, timestamp with time zone)

inventory_held_by_customer(integer)

inventory_in_stock(integer)

last_day(timestamp with time zone)

last_updated()

rewards_report(integer, numeric)

_group_concat(text, text)

Sequences

actor_actor_id_seq

address_address_id_seq

category_category_id_seq

city_city_id_seq

Git

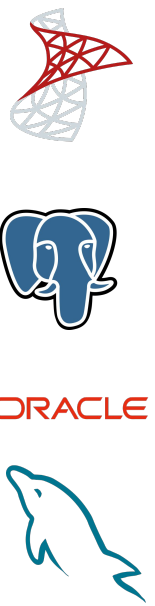
never

Pull

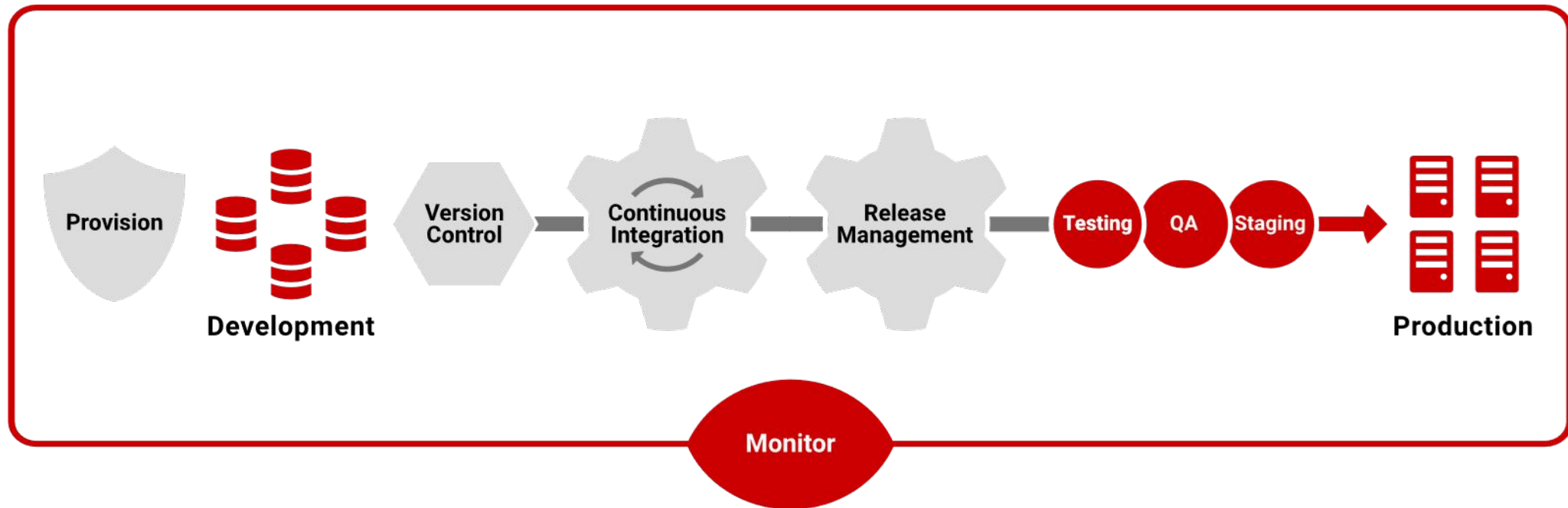
Commit

Push

Give feedback



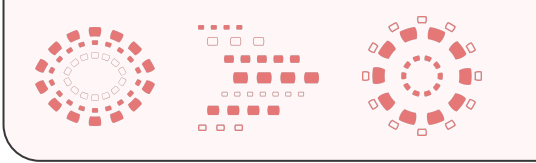
What does End-to-end Database DevOps look like?



Automate database **continuous integration and delivery** and release better quality code **faster**

Automate

Automate pre-merge tests, quality checks, database unit and integration tests to **detect issues earlier**



Azure DevOps

DefaultCollection / DatabaseProjects / Pipelines / Pagila - Prod

DatabaseProjects

Overview

Boards

Repos

Pipelines

Pipelines

Environments

Releases

Library

Task groups

Deployment groups

Test Plans

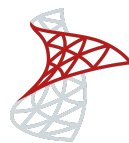
Artifacts

← Pagila - Prod

EditRun pipeline

RunsBranchesAnalytics

Description	Stages	
#ADO-self-hosted-pipeline-templated Merged PR 255: Static Data - Languages Table Capture Individual CI for prod 8fa26b9	✓-✓	Jun 3 8m 39s
#ADO-self-hosted-pipeline-templated Merged PR 238: Updated schema model to incorporate improved Payments table partitioning Individual CI for prod b538552	✓-✓	May 19 4m 39s
#ADO-self-hosted-pipeline-templated Merged PR 237: Disabling static data validation for Language table Manually triggered for prod See1fb9	✓-✓	Apr 17 10m 29s



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Automate

Automate pre-merge tests, quality checks, database unit and integration tests to **detect issues earlier**

Flyway Reportsredgate

Report generated: 2025-06-03 13:19:41

Dashboard

Info Report

Change report

Drift report

Code Analysis

Dry Run

Migration Report

+ 0 object(s) added

0 object(s) removed

1 object(s) changed

Environment: target

Build Environment: check

Objects that have been modified

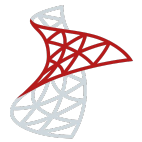
languageTable

Before

After

```
1 CREATE TABLE pagila.language (  
2   language_id integer NOT NULL DEFAULT  
nextval('pagila.language_language_id_seq'::regclass),  
3   name character(20) NOT NULL,  
4   last_update timestamp with time zone NOT NULL  
DEFAULT now(),  
5   char_type character varying  
6 );  
7 ALTER TABLE pagila.language ADD CONSTRAINT language_pkey  
PRIMARY KEY (language_id);  
8 ALTER TABLE pagila.language OWNER TO pagila;
```

```
1 CREATE TABLE pagila.language (  
2   language_id integer NOT NULL DEFAULT  
nextval('pagila.language_language_id_seq'::regclass),  
3   name character(20) NOT NULL,  
4   last_update timestamp with time zone NOT NULL  
DEFAULT now(),  
5   char_type character varying  
6 );  
7 ALTER TABLE pagila.language ADD CONSTRAINT language_pkey  
PRIMARY KEY (language_id);  
8 ALTER TABLE pagila.language OWNER TO pagila;  
9 INSERT INTO pagila.language(language_id, name,  
last_update, char_type) VALUES (1, 'English', '2022-02-15  
10:02:19+00', NULL),  
10 (2, 'Italian', '2022-02-15 10:02:19+00', NULL),  
11 (3, 'Japanese', '2022-02-15 10:02:19+00', NULL),  
12 (4, 'Mandarin', '2022-02-15 10:02:19+00', NULL),  
13 (5, 'French', '2022-02-15 10:02:19+00', NULL),  
14 (6, 'German', '2022-02-15 10:02:19+00', NULL)  
15 ON CONFLICT (language_id) DO UPDATE SET name =  
EXCLUDED.name, last_update = EXCLUDED.last_update,  
char_type = EXCLUDED.char_type;
```



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Automate

Automate pre-merge tests, quality checks, database unit and integration tests to **detect issues earlier**

Adoption has never been simpler



**Integrate with your existing
development and release tools**

Flyway Enterprise integrates with all common CI and release tools, including GitHub, Azure DevOps, Jenkins, TeamCity, and many more.



ORACLE



Redgate helps organizations reliably solve the **complex** challenges of database management across the DevOps lifecycle on **any** database, **anywhere**.

Double the productivity in each sprint cycle

83% less time spent on database deployments

30% cut in post-deployment errors

Thank you