Oracle Autonomous Data Warehouse

Paul Woods
Director of Analytic Platforms

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Advancing Healthcare: Our Six Global Business Units

RENAL CARE

Pioneering therapy options for people with kidney disease, including peritoneal dialysis and hemodialysis

ADVANCED SURGERY

Enabling surgeons to act with precision and speed to minimize complications and increase efficiency

PHARMACEUTICALS

Providing generic injectable medicines and inhaled anesthetics that are critical to effective patient care across the globe

MEDICATION DELIVERY

Advanced infusion systems and solutions to help ensure the right treatment is delivered safely and efficiently

NUTRITION

Leading clinical nutrition solutions formulated to help patients maintain or regain their health

ACUTE THERAPIES

Innovative products and therapies that treat life-threatening conditions in the ICU

Making a difference for **patients and partners worldwide**

Baxter Profile: Global Patient Impact

60M+ patients treated annually

Products in **100+** countries

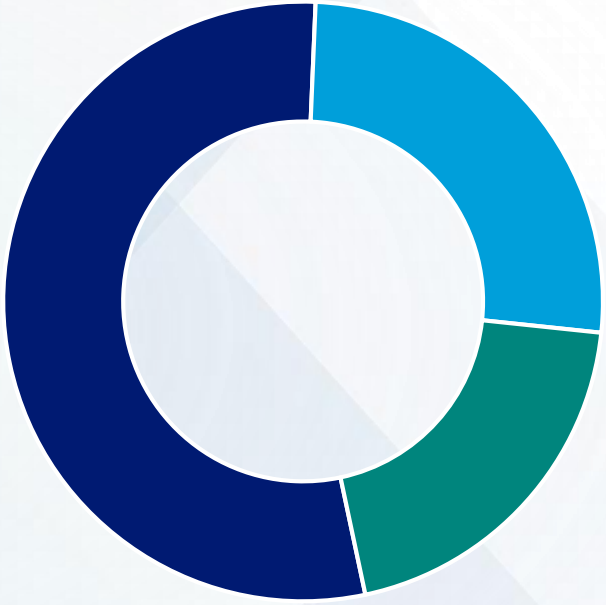
47,000+ employees worldwide

Global Revenue

$11.4B

2019 Sales

Revenue by Region



Americas	54%
EMEA	26%
Asia Pacific	20%

All sales and related figures represent full year 2018.

Global Analytics and Business Intelligence (GABI)

Quick Facts

2008

Program founded with primary data sourced from JDE deployments via CDC Streams

50TB

Database under constant growth running on ageing X2 Exadata in company Datacenter

10+

Sources constantly added over the years resulting in dozens of data feeds both in and outbound

1000s

Thousands of nightly ETL jobs. (DataStage)

Two

Initially began to serve Finance and Supply Chain, but grew into a company wide platform (Mfg, QA, Commercial)

100s

Large chunks of data scanned on a daily basis. Exacheck shows 100s of TB scanned

100s

Hundreds of concurrent users. (adhoc and canned reports) (Tableau and Cognos)

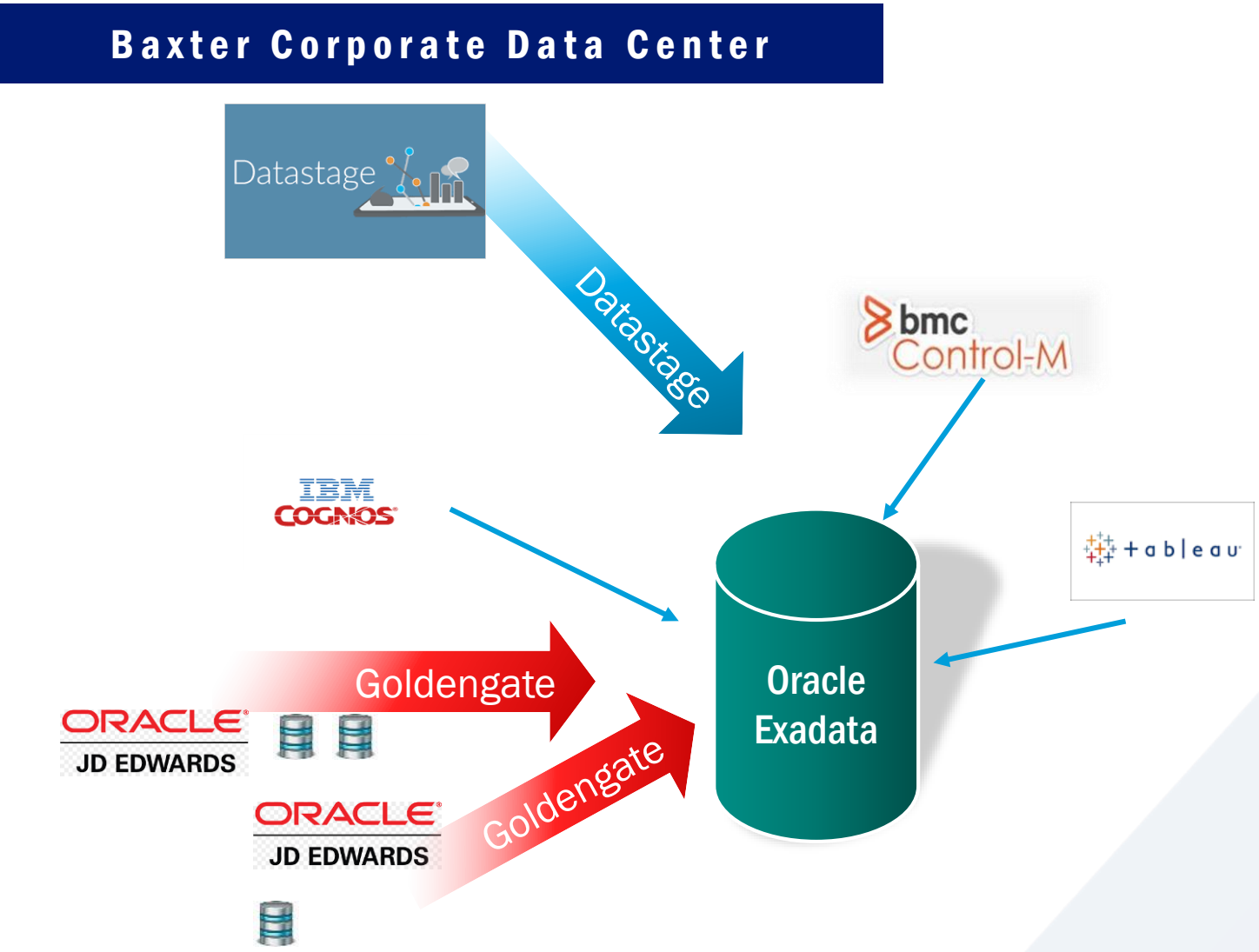
Six

The number of months we had to unwind and move,

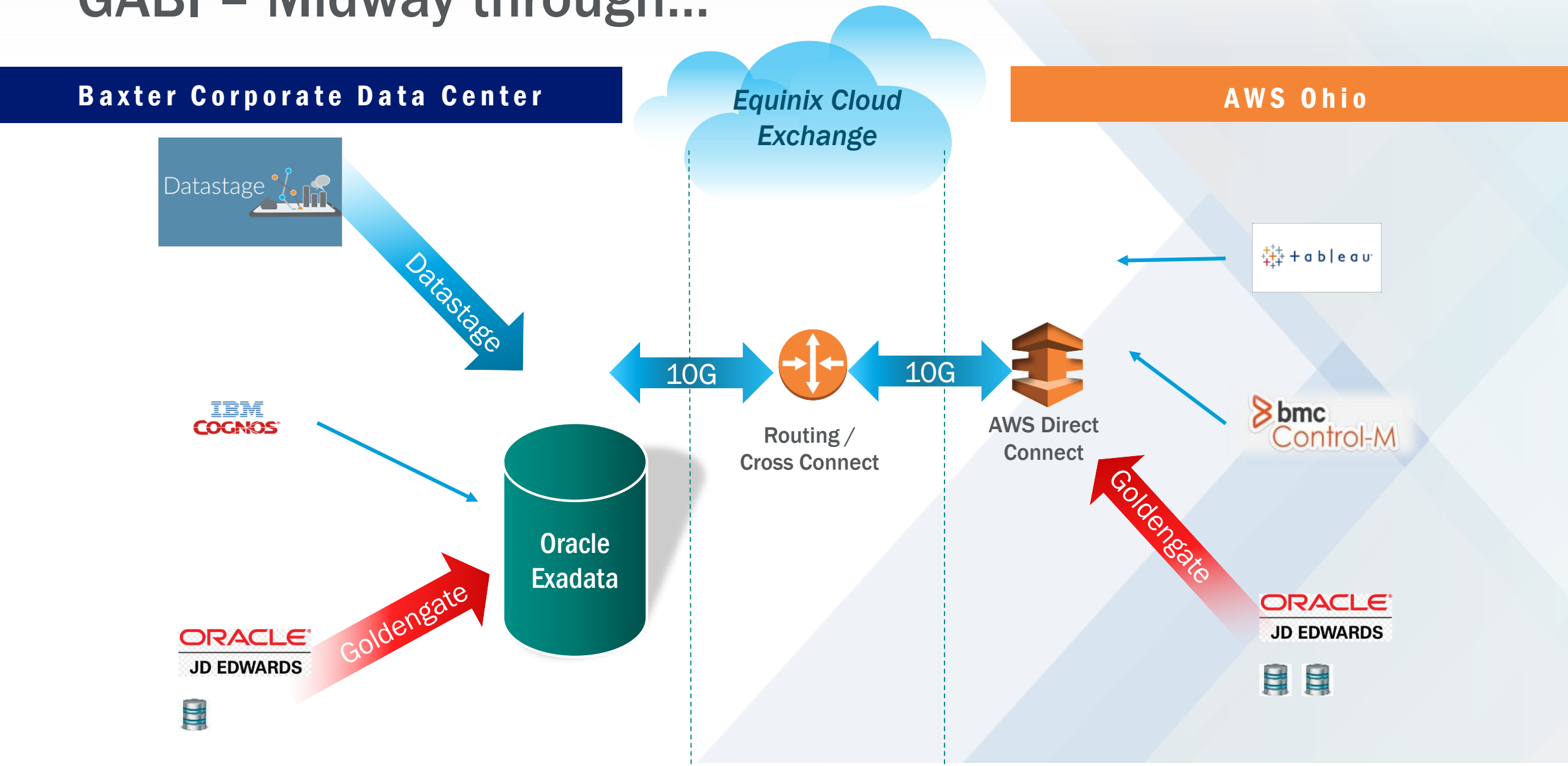
Migration Challenges

- Oracle Exadata Capability Not available in AWS
- ETL Jobs depend on smart scan capability
- Multiple Crashes of AWS database service when running tests
- Breaking up DB into smaller chunks worked
- Rewrite estimated to take over a year
- Multiple Options considered, each had + and –
- Opted to leverage Oracle Autonomous Data Warehouse PaaS offering
- Move reporting and ETL components to AWS

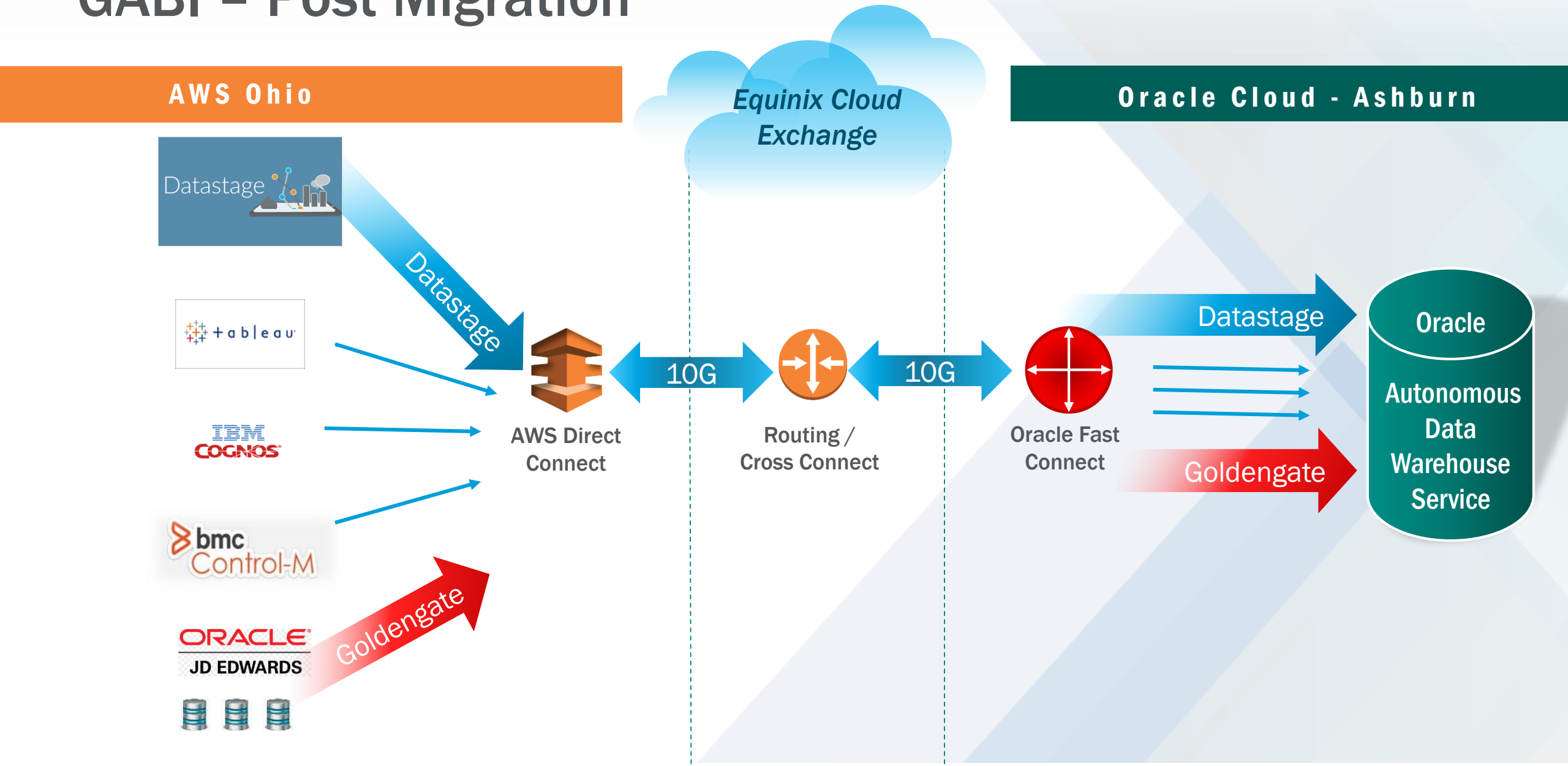
GABI – Prior to this project…



GABI – Midway through…



GABI – Post Migration



GABI – Post Migration

AWS Ohio

Equinix Cloud Exchange

Oracle Cloud - Ashburn

Datastage

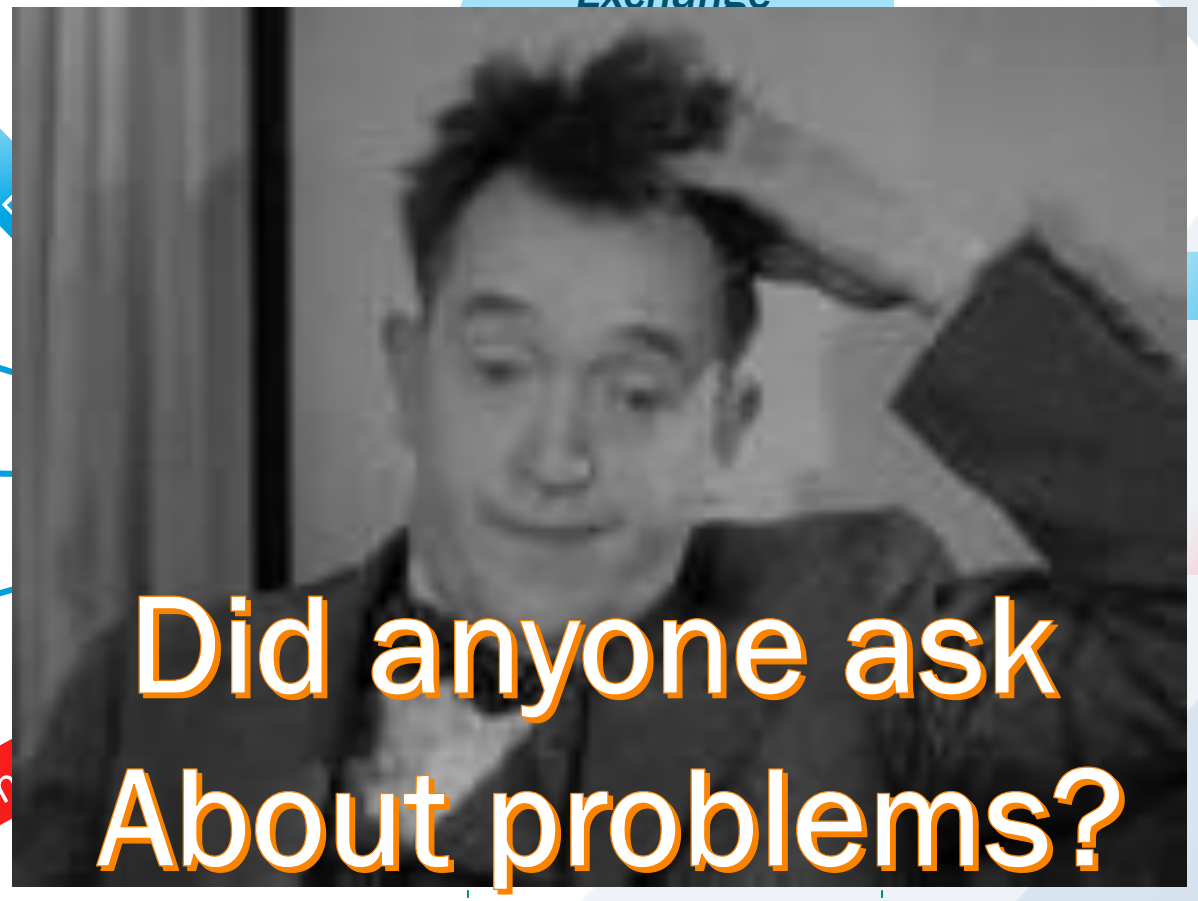
+ableau

IBM COGNOS

bmc Control-M

ORACLE JD EDWARDS

Golden



Datastage

Goldengate

Oracle

Autonomous Data Warehouse Service

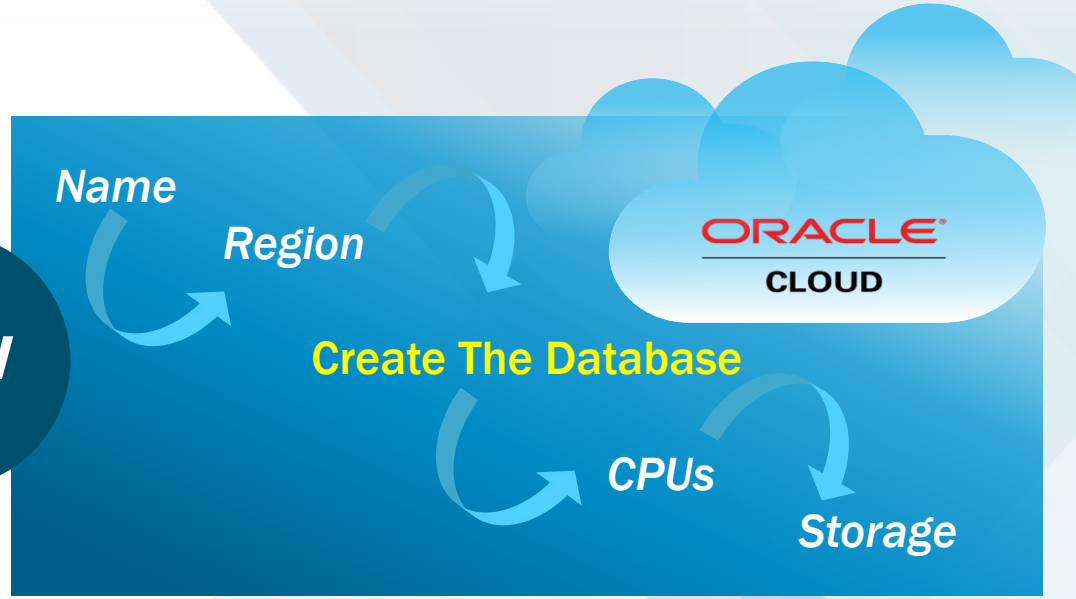
Why Oracle Autonomous Data Warehouse service and not Exadata Cloud service?

WHAT

~~Storage~~
~~Quotas~~
~~Indexing~~
~~Partitioning~~
~~Compression~~
~~Availability~~
~~Patching~~
~~Upgrades~~
~~Backups~~

- ✓ Load Data
- ✓ Run Queries
- ✓ Elastically Scale

HOW



WHY

Automation:

We know the implementation and it is being performed by the software based on our rules.

Autonomy:

- We do not know the implementation
- We do not set the rules.
- Decisions made by the software

Baxter

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Thank You