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PRODUCT ROADMAP

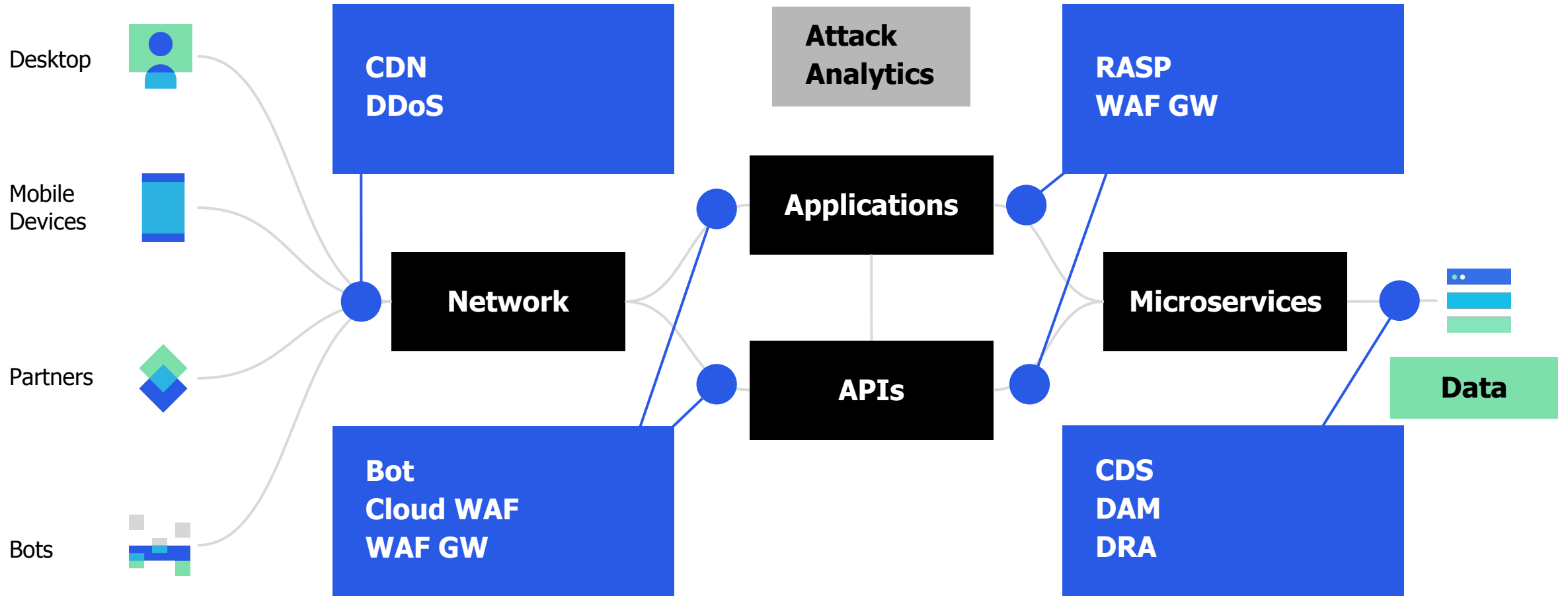# Database Activity Monitoring

DAM

Disclaimer

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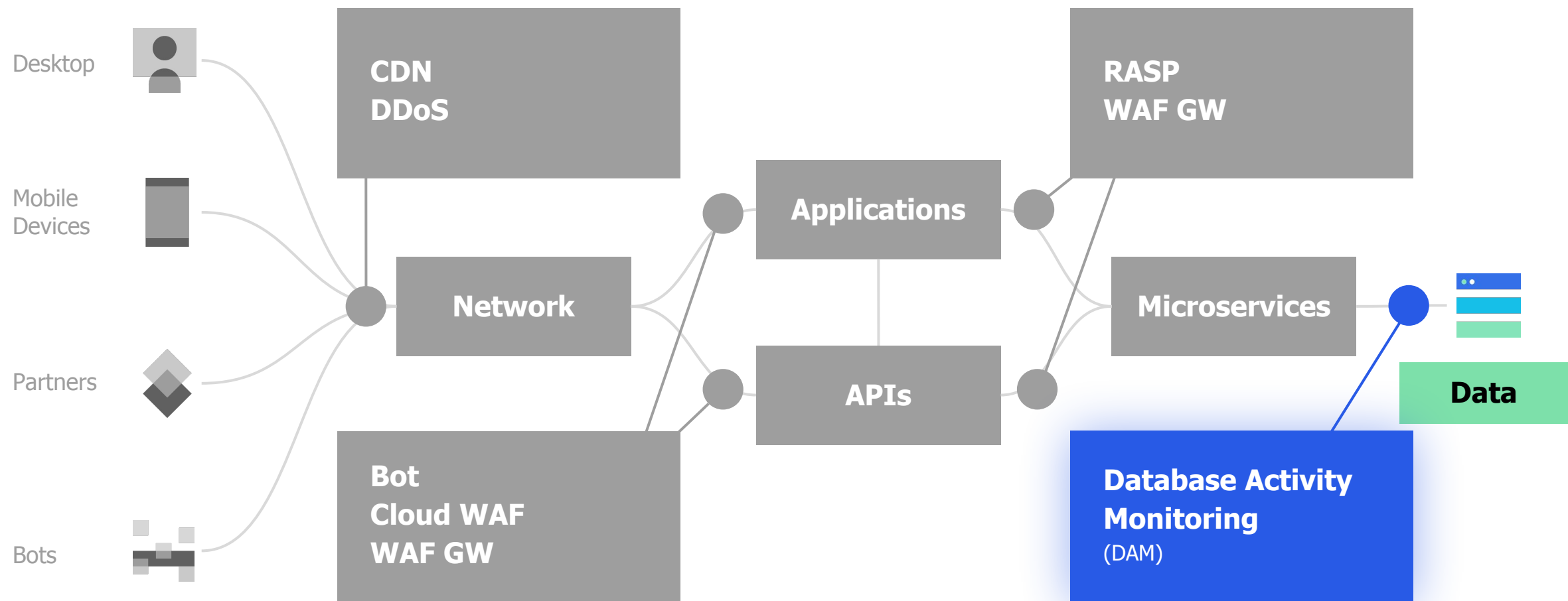
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Imperva
protects data
and all paths to it

The Imperva Products Portfolio

Desktop

Mobile
Devices

Partners

Bots

**CDN
DDoS**

**Bot
Cloud WAF
WAF GW**

Network

Applications

APIs

**Attack
Analytics**

**RASP
WAF GW**

Microservices

**CDS
DAM
DRA**

Data

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Database Activity Monitoring

Desktop

Mobile Devices

Partners

Bots

CDN
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Bot
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WAF GW

Applications

APIs

RASP
WAF GW

Microservices

Database Activity Monitoring
(DAM)

Data

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Data Protection Challenges

Lack of Visibility

Don't know where sensitive data is or if **breached**

Takes only 1

Careless, compromised or **malicious** user

Lack of skilled professionals

Turnover, **overloaded** staff

206 days
on average before breaches are discovered

Statistics from Black Hat USA's 2019 research report

52%
of employees see no security risk to share their passwords

90%
believe shortage affects security of data

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Customer Business Outcomes

Reduce Cost of Compliance

Simplify & standardize

Avoid non-compliance

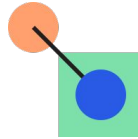### Mitigate Security Risk

Visibility

Detection & rapid response

Enable Digital Transformation

Cloud, hybrid, multi-cloud

Avoid compliance or security gaps
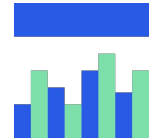
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DAM Focus Areas

Deliver Frequently

Reduce Deployment TCO

Expand OS & DB Coverage

Reporting for Audit, Risk and Forensics

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DAM Looking Forward

	Q1	Q2	+6 months	+6 months
Agility	Public facing coverage tool		Agents monthly releases	DB connect platform
Reduce Deployment TCO		User space agent		Large scale MX, GW optimization, Agent deployment, Azure clustering
Reports/LSAR	Community based reporting			Risk, Forensics and compliance reports
DB Coverage		New DBs - Sailfish, Mongo DB Atlas Couchbase		Assessments for big data, entitlement reports, GCP support
Mandates				JAVA upgrade

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Large Scale Audit & Reporting

Persona based dashboards

reports for security personas

Hunt & explore

opportunities to reduce the attack surface

Out of the box solution

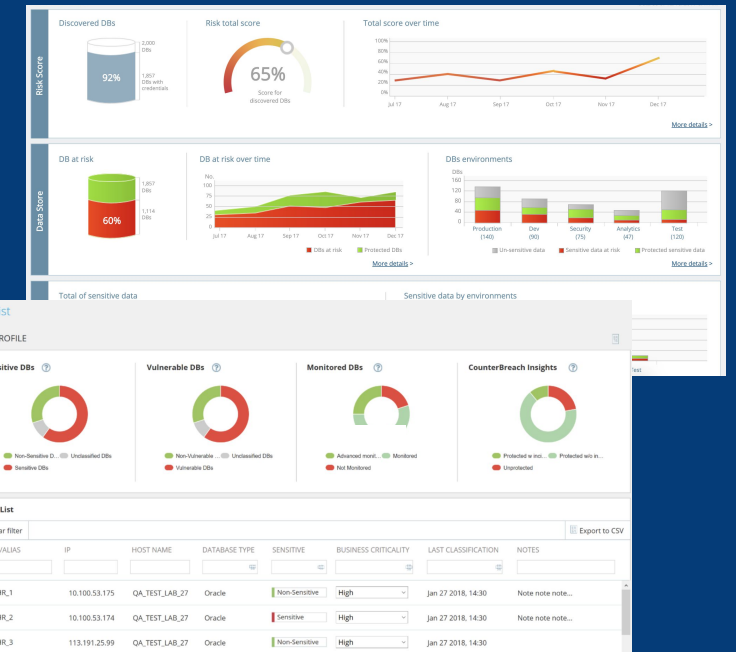for compliance reporting

Operational reporting

for discovery, classification, assessments

Self-serve reporting

and dashboarding

Single pane of Glass

including DRA and CDS

Proprietary and confidential. Do not distribute.

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Deployment Effort in Large Environments

40%
Fewer agent upgrades

User space agents

100
Agent deployments in 1 hour!

Leverage Puppet / Chef for agent deployments

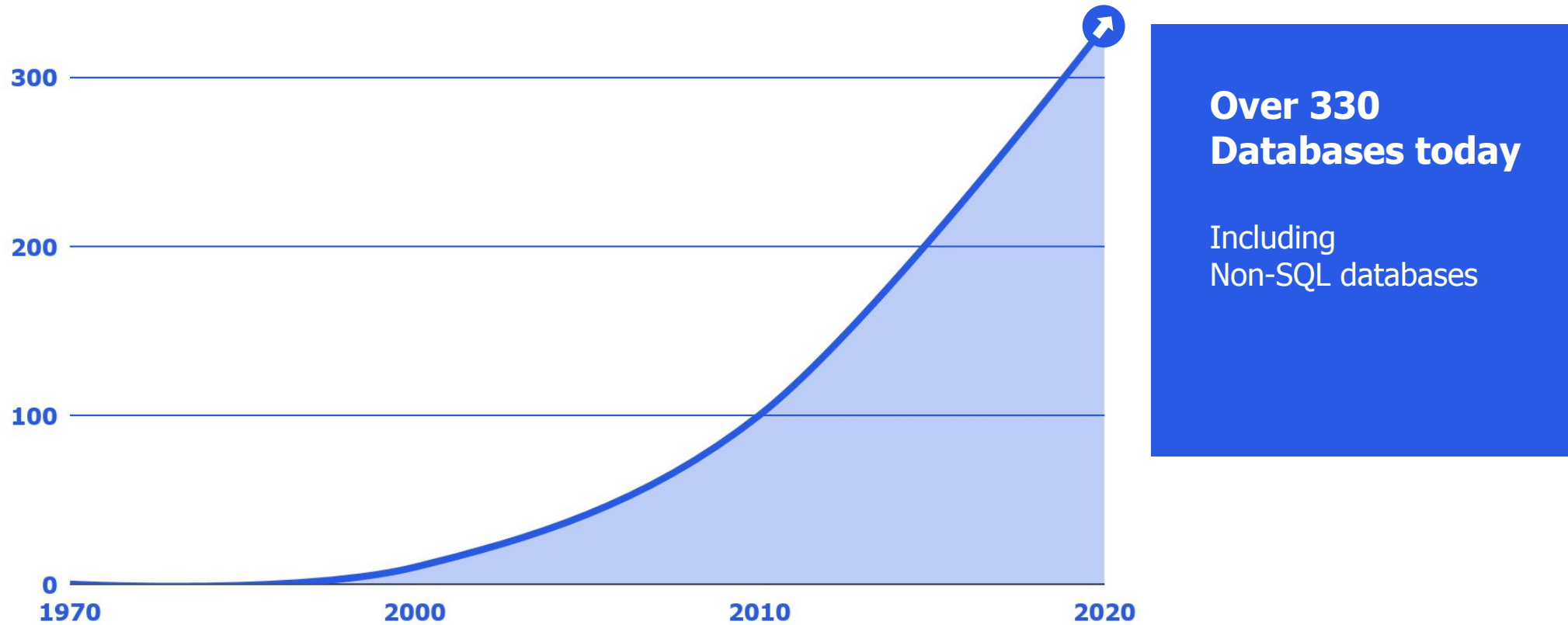**20**%
Fewer Gateways

Optimized GW performance

50-70%
Fewer MXs

Support more GWs on each MX

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Evolution of Databases

Supporting the long tail of databases became a mission impossible

300

200

100

0

1970

2000

2010

2020

Over 330 Databases today

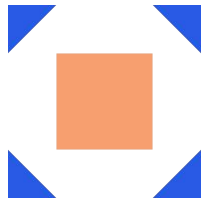Including Non-SQL databases

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Imperva DB Connect
Solving the long tail of databases

Ability to extend DAM

with additional DBs that aren't supported out of the box

Can be added by Professional Services

Includes the ability to configure:

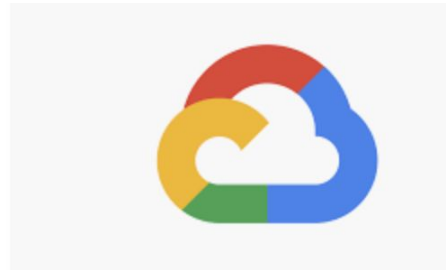Data Collection Discovery Assessments

Classification

DRA

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DAM Hybrid Cloud Solution

Adding Databases

MySQL on Amazon RDS / Aurora

Supporting GCP Clusters

Supporting Azure Clusters

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Database Activity Monitoring
Automation to drive Agility and Quality

Full Coverage
of OS/DB supported permutations

Full Coverage
for agent functionality

Testing Beta
OS/DB versions

Coverage Tool Webpage
will reflect supported versions

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Data Security Coverage Tool

Proprietary and confidential. Do not distribute.

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Extending DAM & DAS DB Coverage

Log collection for:

Couchbase

MongoDB Atlas

IBM Integrated Analytics System

Aurora MySQL, RDS MySQL

Snowflake

Big Data DAS support :

CIS

Hadoop 2.6

CIS MongoDB 3.6

CIS Cassandra 3.11

Couchbase	MongoDB	IBM Integrated Analytics System

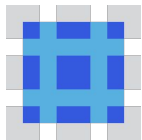|		
Hadoop	MongoDB	Cassandra

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Mainframe Agent

Larger Server Cluster Support

Allow a single z/OS Agent to connect to multiple GW's by sending each SSID (Db2, IMS, or FAM) across its own Data Channel

Improve Efficiency

Manage MFA Agent Active Monitoring Policy by APIs

Manage MFA Agent Monitoring Rules

Improve RegEx support for file activity

Risk Analytics

Data Risk Analytics

Capture user level activities from CICS for file activity events

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Thank You!

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