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

PRT324

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Cloud, security, and science converge in a data-driven world

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aws

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Agenda

- The cloud journey: Needs and challenges
- Cloud, security, science, and data
- Data and collaboration
- The Regeneron cloud journey
- Data security and resilience
- Key takeaways

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HOOVER


THE
HOOVER





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The Current Global Macroeconomic Landscape



Slowdown/ Recession



Threats to Data



Skill Shortages



Supply Chain



Infrastructure Complexity

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Don’t Become a Statistic. Prepare Now.

55%

of organizations will have **adopted a cloud-centric strategy** toward their data protection by 2025

46%

of organizations have experienced **successful ransomware events** in the past three years

92%

said their data resiliency tools were “efficient” or “highly efficient,” yet **nearly 50% experienced data loss**

Source: IDC White Paper, You Think Ransomware Is Your Only Problem? Think Again, Sponsored by: Druva, September 2022

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Druva: The Data Resiliency Cloud



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Druva: Among Industry's First At-Scale SaaS Platforms for Data Resiliency

4B+
backups/year

50%
YoY growth in data managed

80+
certified NPS

60+
Fortune 500

16
global regions

300 PB+
data under management

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Digitalization and Multi-Cloud



New Data Threats



Hybrid Workforce, Security, Collaboration



SaaS-First Purchase and Consumption



Interconnected Systems, Localized Laws

Customer 5-year Cloud Journey: Needs and Challenges

*https://www.cloudwards.net/ransomware-statistics/

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The Security Problem



Are my backups safe?



Is my data fully recoverable? And how fast?



How secure is my data against security events?
Or how do I respond to data requests across incidents?



Are my backups infected? Ensure malware-free recovery.

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Cloud, Security Science, and Data

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Regeneron is a leading biotechnology company that invents life-transforming medicines for people with serious diseases

LEADING TECHNOLOGY

VELOCISUITE
BISPECIFICS
GENETICS

INNOVATIVE CULTURE

TOP BIOPHARMA EMPLOYER

DRIVEN BY DISCOVERY

DIVERSE EARLY R&D

BROAD PIPELINE

30+ MEDICINES IN DEVELOPMENT

REGENERON
SCIENCE TO MEDICINE®

We were once a small company with big ideas . . .

and the only thing that's changed is our size.

9



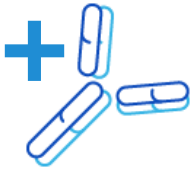
FDA-approved medicines

Nearly

100%

of drug candidates invented and developed in house

30+



investigational medicines in clinical development across multiple therapeutic areas

242

peer-reviewed publications in 2021



6



consecutive years in Forbes' World's Most Innovative Companies

10K+

Regeneron employees worldwide



#1



ranking in the *Science* Top Employer Survey for six of the past eleven years

12K

employee volunteer hours during 2021 Day for Doing Good

~2M



exomes sequenced to date by the Regeneron Genetics Center

REGENERON

IT Enterprise Services Behind the Scenes for COVID-19



The team pivoted to support increased demands on the **network traffic and data storage** requirements.



At no point was capacity utilization at a critical threshold. Compute and storage capacity met increased data storage demands.



Strengthened the bond between IT and scientists and **accelerated scientific discoveries.**

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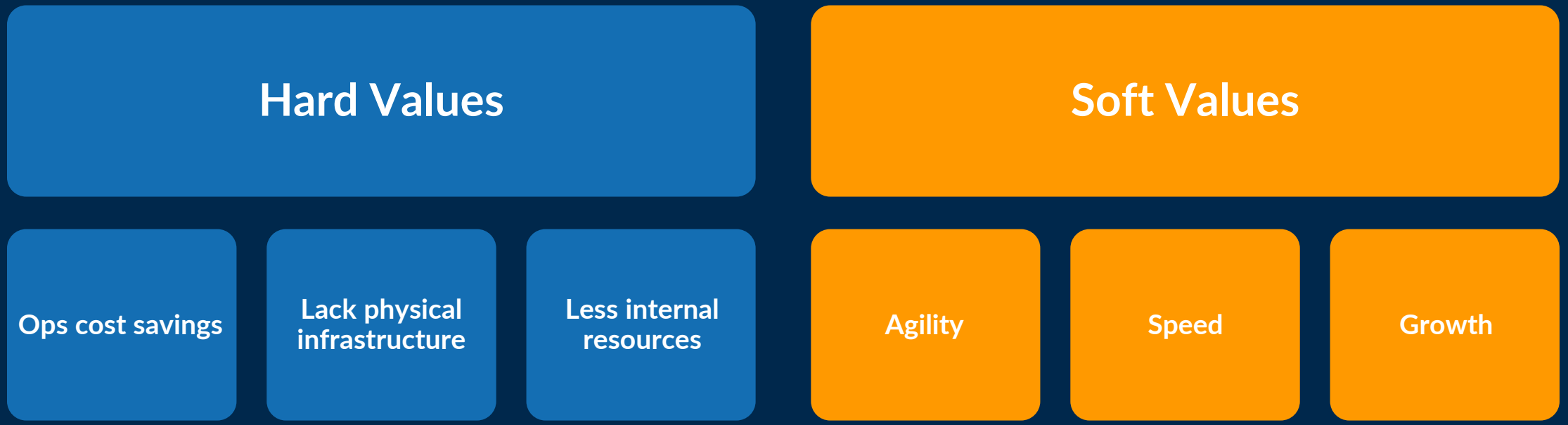
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We don't want to build data centers. Our business is science and data.

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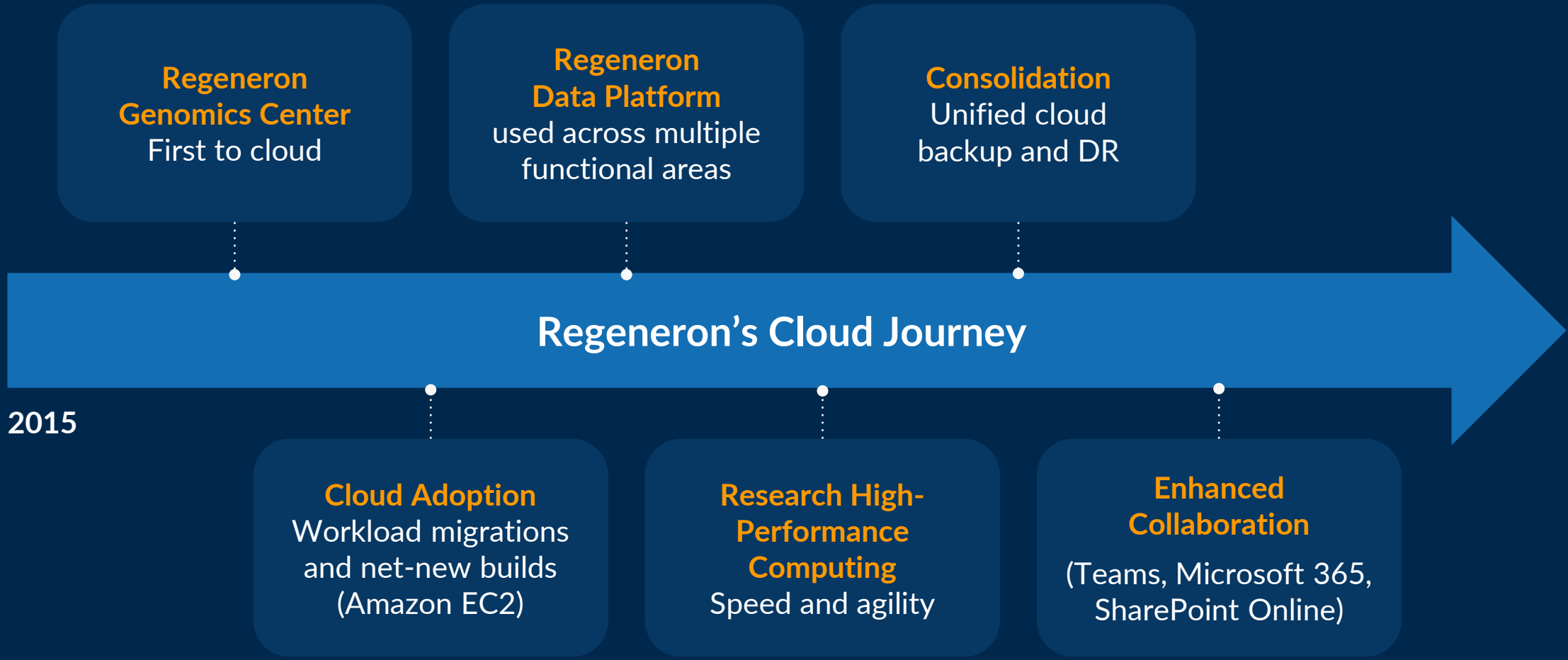
Creating a Business Case for Cloud: Understanding the Values



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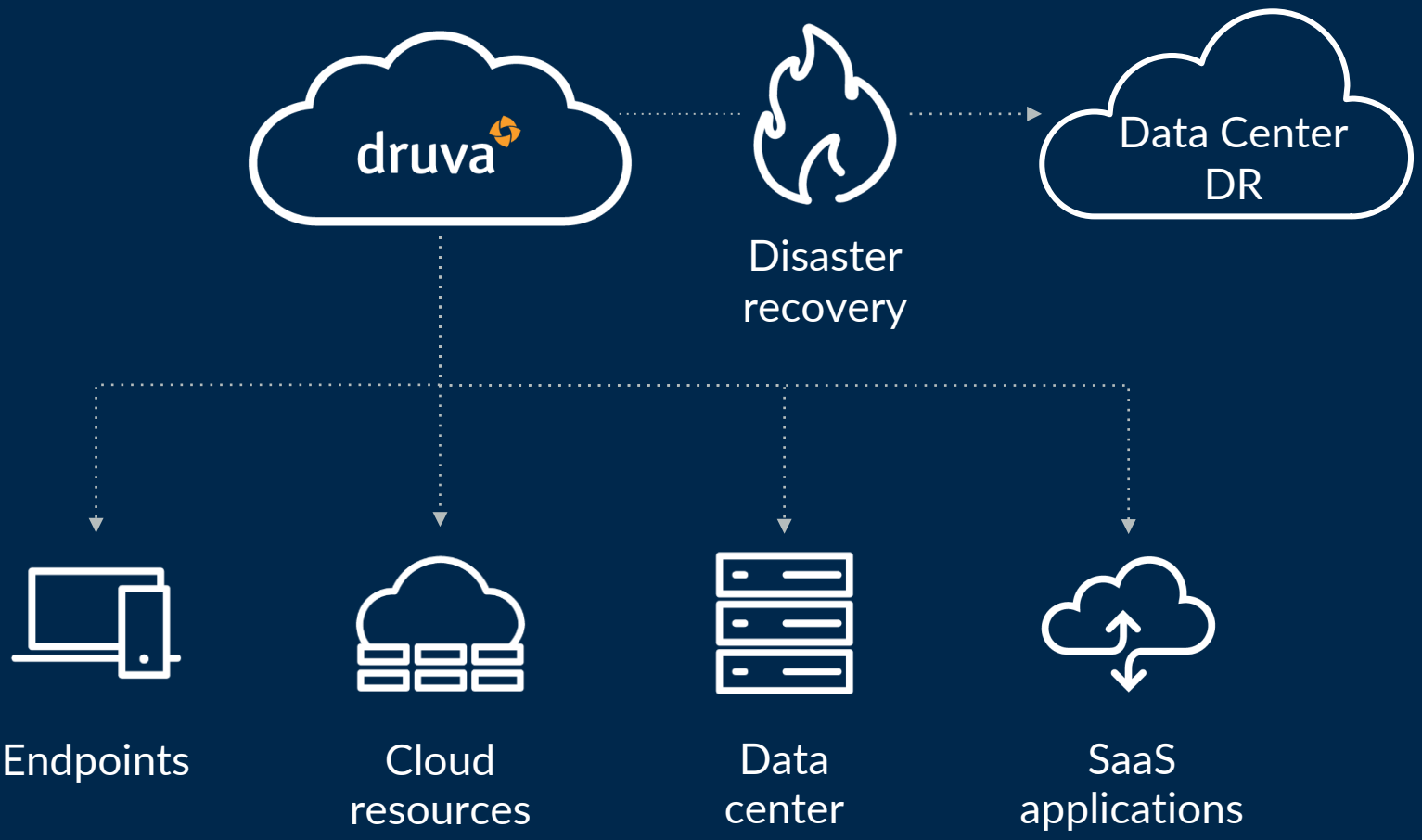
Enabling the Business Through Data and Collaboration



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The Role of Cloud Data Protection at Regeneron



- ✓ Backup and recovery
- ✓ Governance
- ✓ Compliance
- ✓ Unification
- ✓ Long-term retention
- ✓ Disaster recovery
- ✓ eDiscovery

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Growing Druva Adoption Across Workloads

PB scale

REGENERON

ROBO  druva Public Cloud

ROBO	File	NAS	Native	Oracle/SQL	SaaS
	Microsoft	ISILON SYSTEMS	aws	ORACLE	

CY	2018	Q12019	Q22019	Q42019	Q12020	Q42020

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Data Security and Resilience

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Back up Amazon EC2 to Druva Cloud

New



Stored in your AWS account(s)

Benefits

- Fast operational recovery
- Short data lifecycles
- File-level search

Druva Cloud

Benefits

- Air-gapped backups
- Global dedupe
- Lower storage costs

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Press Esc to exit full screen



Incursion

Bad actor attempts to compromise backups

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Investigation

Bad actor initiates mass encryption event

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Recovery

Security go-ahead for recovery

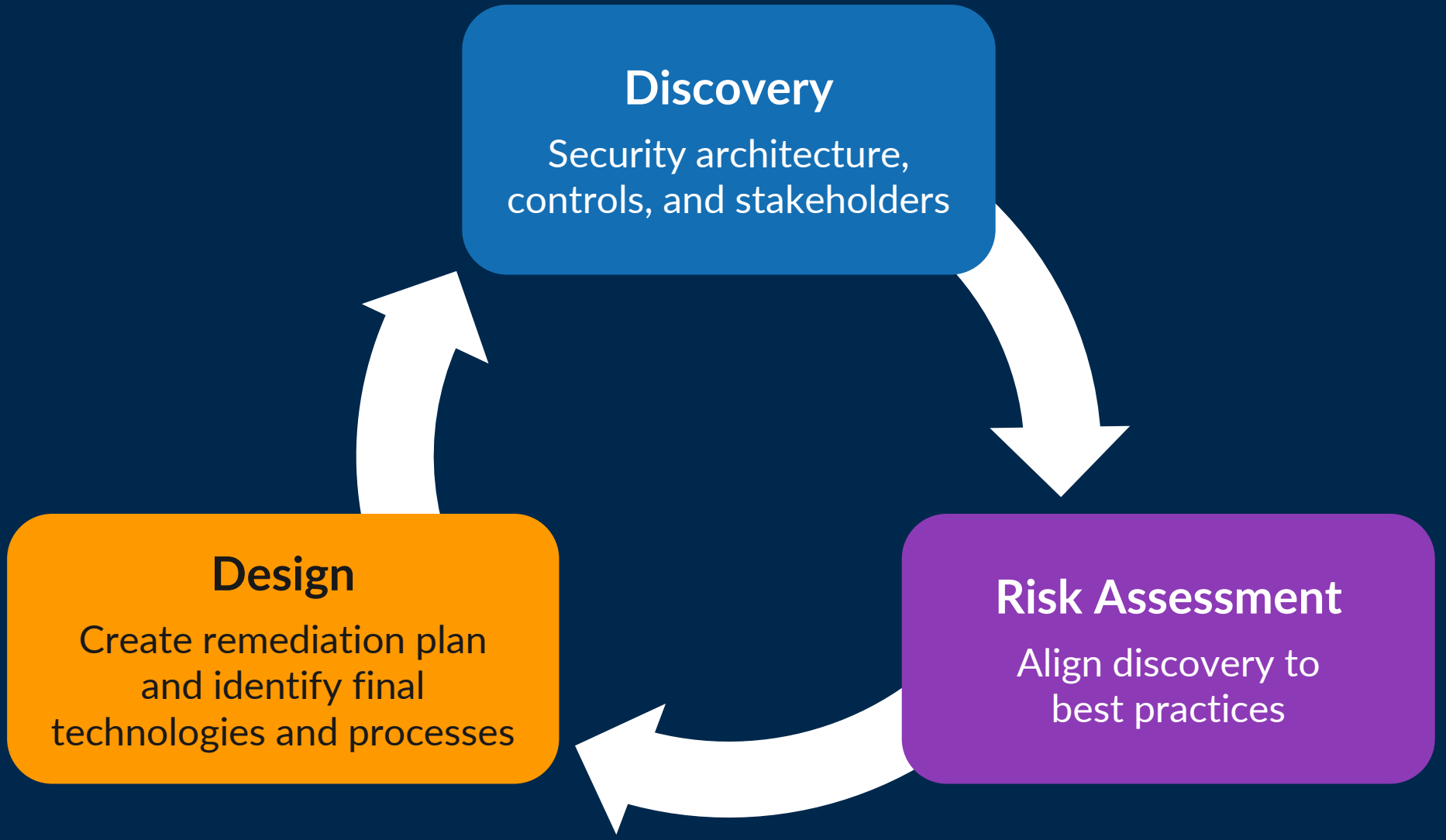
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Key Takeaways

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Data Security and Resilience is a Never-Ending Process



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The Druva Data Resiliency Guarantee



RISKS

- **Cyber risk** (ransomware and beyond)
- **Human risk**
- **Application risk**
- **Operational risk**
- **Environmental risk**

SLAs

- **100% Confidentiality.** Guarantee that customer data will not be compromised as a result of a security Incident.
- **100% Immutability.** Guarantee that the last successful backup of customer data will be recoverable (not changed) in the event of a ransomware Incident.
- **99% Reliability.** Guarantee that backups will complete successfully in accordance with customer policies.
- **99.999% Durability.** Guarantee that customer data backed up is recoverable (not corrupted).
- **99.5% Availability.** Guaranteed uptime up to 99.5%

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Next Steps



Visit Druva at booth #2241 in the Expo Hall



Meet our product experts to get a live demo



Visit druva.com to learn more

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Thank you!



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