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Overview of the Challenges of Cloud Governance

And How Concourse Labs Solution Solves the Challenges

JANUARY 2021

SEASONED CLOUD EXPERTS

Donald J. Duet
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VP, Product Management

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VP, Strategic Alliances

Goldman Sachs   Morgan Stanley   Red Hat   aws   Google   rackspace   VERISIGN   IBM

Notable Professional Accomplishments

- Transformed Goldman Sachs into the leading enterprise cloud adopter
- Created industry-leading architecture for cloud governance & control, suited to even the most highly regulated enterprises
- Renowned experts in enterprise cloud adoption worldwide
- Managed and grew cloud infrastructure businesses to $1B+ revenue
- Led teams of thousands of employees

Notable Positions Held

- Goldman Sachs: Partner, Head of Global Technology Division, CIO APAC
- Rackspace: EVP & GM, Private Cloud ($1B P&L); Red Hat: VP & GM Linux & Cloud ($750M P&L); Cloud Technology Partners (sold to HPE): Board Member
- Goldman Sachs: Global Head of Cloud Platforms; Morgan Stanley: CTO for Enterprise Computing
- Google, AWS: Technology Leader, Development Leader

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CONCOURSE LABS JOINS THE CLOUD SECURITY ALLIANCE

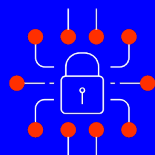https://www.concourselabs.com/press-releases/concourse-labs-joins-cloud-security-alliance/

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ATTACKERS ARE BREACHING CLOUD ASSETS

70%[1] of organizations surveyed in a recent study admitted to a known cloud breach in the last year.

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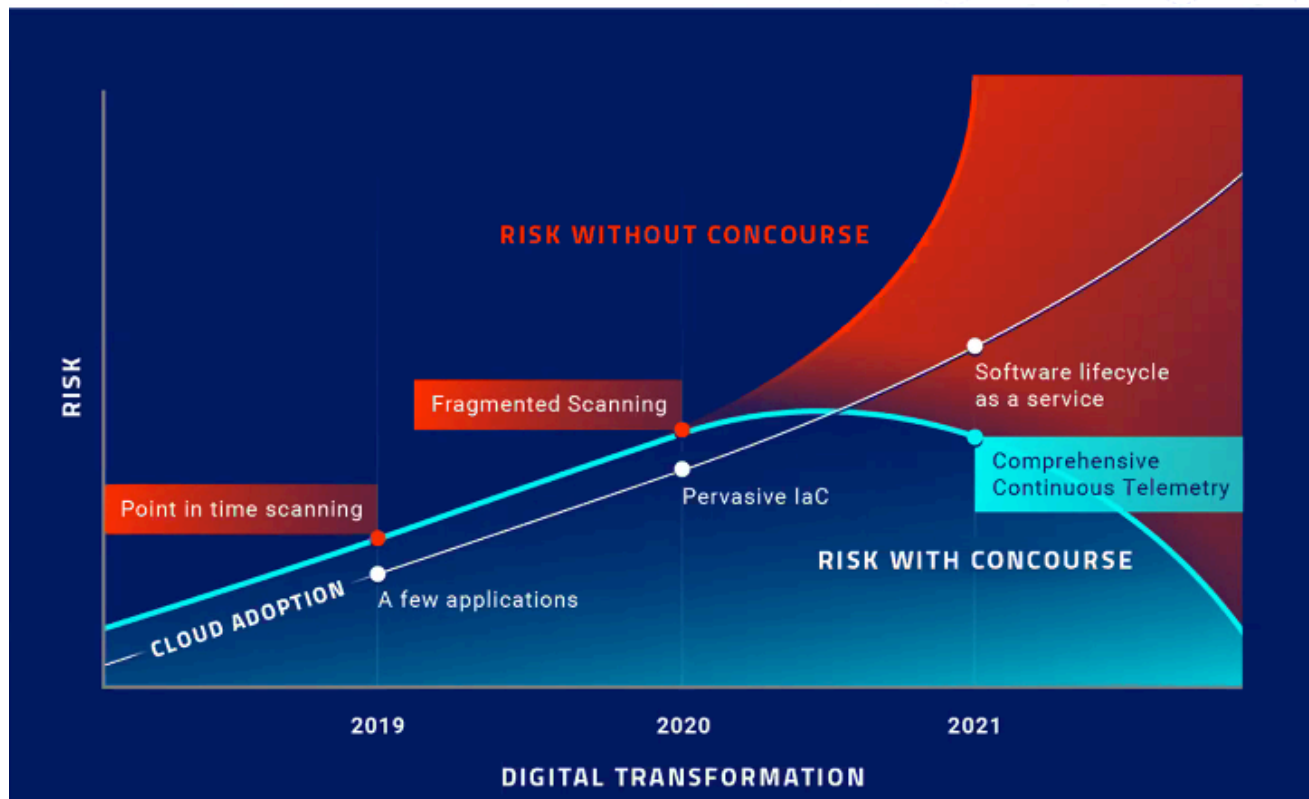
THE CRITICAL CLOUD CONTROL CHALLENGES
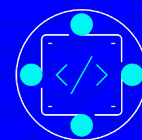
Governance Is More Than Security

Observability, Verification & Audit

Agile Governance

Why You Need :
- Cloud Continually Evolves
- Controls Expanding
- Impact Changes
- Resource Changes

Continuous Control Verification

Automatic Testing of Infrastructure-as-Code

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CLOUD GOVERNANCE IS MORE THAN SECURITY

Governance Controls

Change Management

Cost Control

Role Based Access

3rd Party Supplier Risk Management

Cloud Configuration Management

Availability Risk

Business Continuity Risk

Scalability Risk

Security Controls

Identity & Access Management
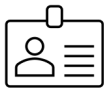
Policy & Control Management
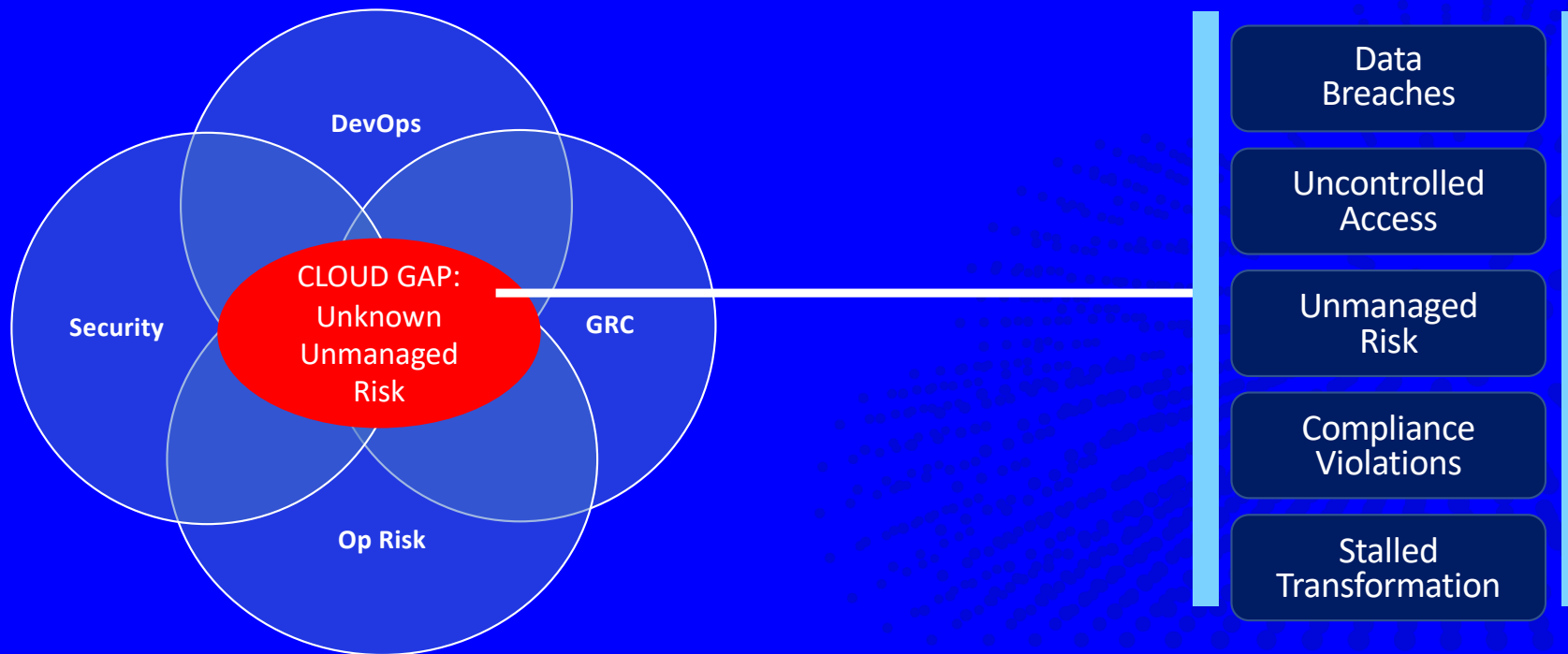
Data Security Privacy & Integrity

Security Monitoring & Incident Response
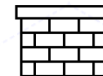
Network Traffic Protection & Logs

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ENTERPRISE GOVERNANCE IS FAILING TODAY IN CLOUD

DevOps

Security

CLOUD GAP:
Unknown
Unmanaged
Risk

GRC

Op Risk

Data Breaches

Uncontrolled Access

Unmanaged Risk

Compliance Violations

Stalled Transformation
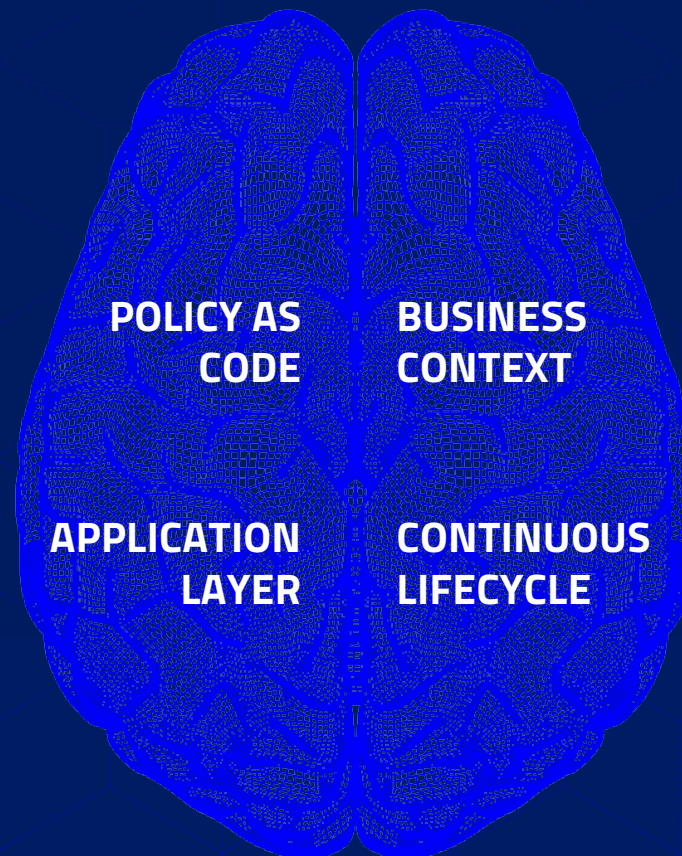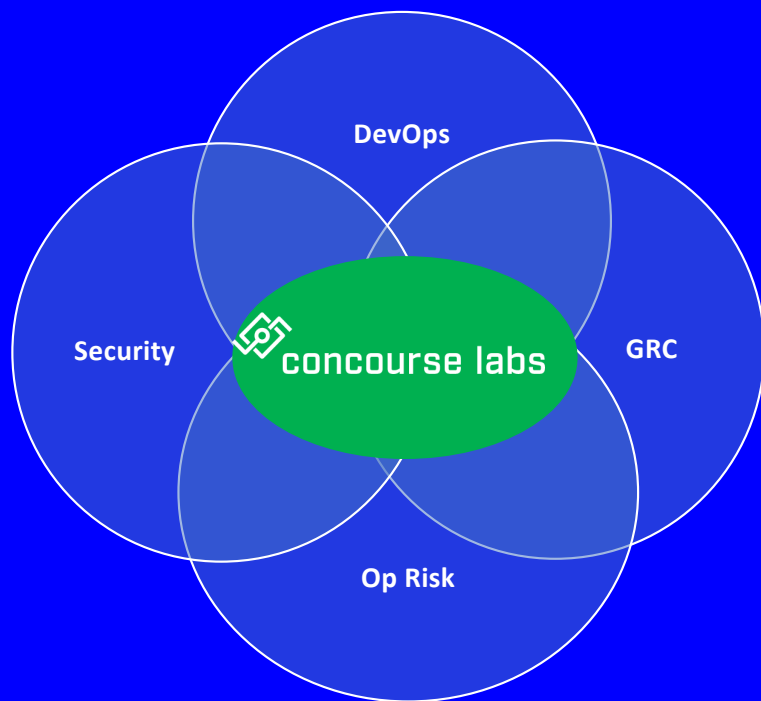
CONCOURSE INTEGRATES TO DELIVER ENTERPRISE-WIDE CLOUD GOVERNANCE

Concourse's Unique Approach to Enterprise Cloud Governance

- **Enterprise scale multi-cloud control of cloud policies and risk**
  - <u>Preventative controls</u>: Integrate into CI/CD pipeline to prevent non-compliant code being deployed, and giving developers fast remediation feedback
  - <u>Continuous controls</u>: Identify non-compliant usage in real time, all the time, assigns responsibility and tracks remediation

- **Comprehensive real time inventory of cloud services & assets**
  - Across clouds
  - Across technology stacks

- **Integrates with existing tools & processes including:**
  - Security
  - GRC
  - DevOps
  - Op Risk tools
  - Cloud native scanners & configuration management tools

- **Comprehensive out-of-the box policies**
  - Supplemented with customized or custom policies
  - Opportunity for customers & consulting firms to create their own policy IP
  - Context aware enterprise policies, not merely naïve configuration specifications
  - Full lifecycle policy management: creation, testing, maintenance

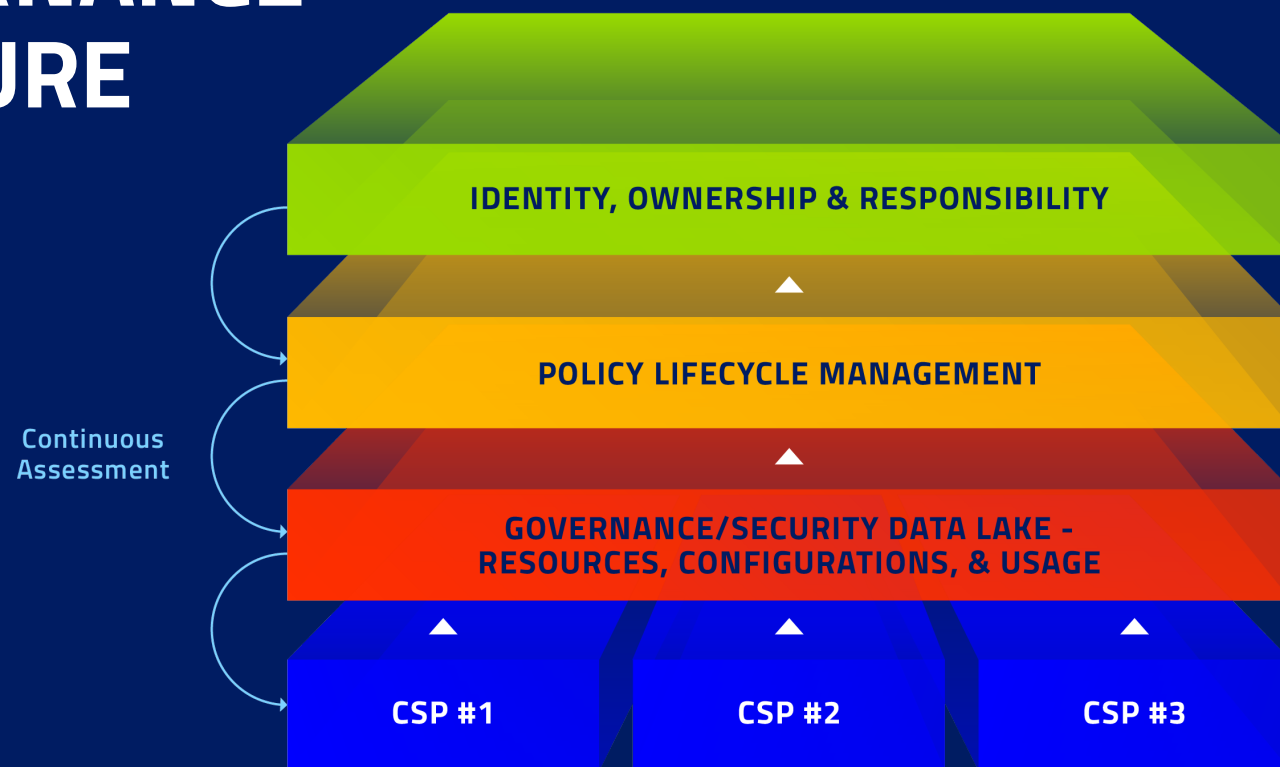*No other approach provides an automated, comprehensive and real-time view of cloud risk across the entire enterprise*

DevOps

Security

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GRC

Op Risk

SIX STEPS TO EFFECTIVE CLOUD GOVERNANCE

The Six Steps to Effective Cloud Governance

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NEW GOVERNANCE ARCHITECTURE

IDENTITY, OWNERSHIP & RESPONSIBILITY

POLICY LIFECYCLE MANAGEMENT

Continuous Assessment

GOVERNANCE/SECURITY DATA LAKE - RESOURCES, CONFIGURATIONS, & USAGE

CSP #1

CSP #2

CSP #3

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CONCOURSE GOVERNANCE & CONTROL PLANES

INVENTORY & AUDIT

WHO – WHAT – WHEN ?
- ✓ Inventory as Service – Users, Resources & Policy Groups
- ✓ Delivering Context for your App & Data to Reduce/Eliminate Violation Noise

CONCOURSE LABS SECURITY LAKE

SPEED & SCALE
- ✓ Process (Accounts and Stacks) for all Cloud Native Configuration and Telemetry. enables you evaluate policy (Past, Present & Future)
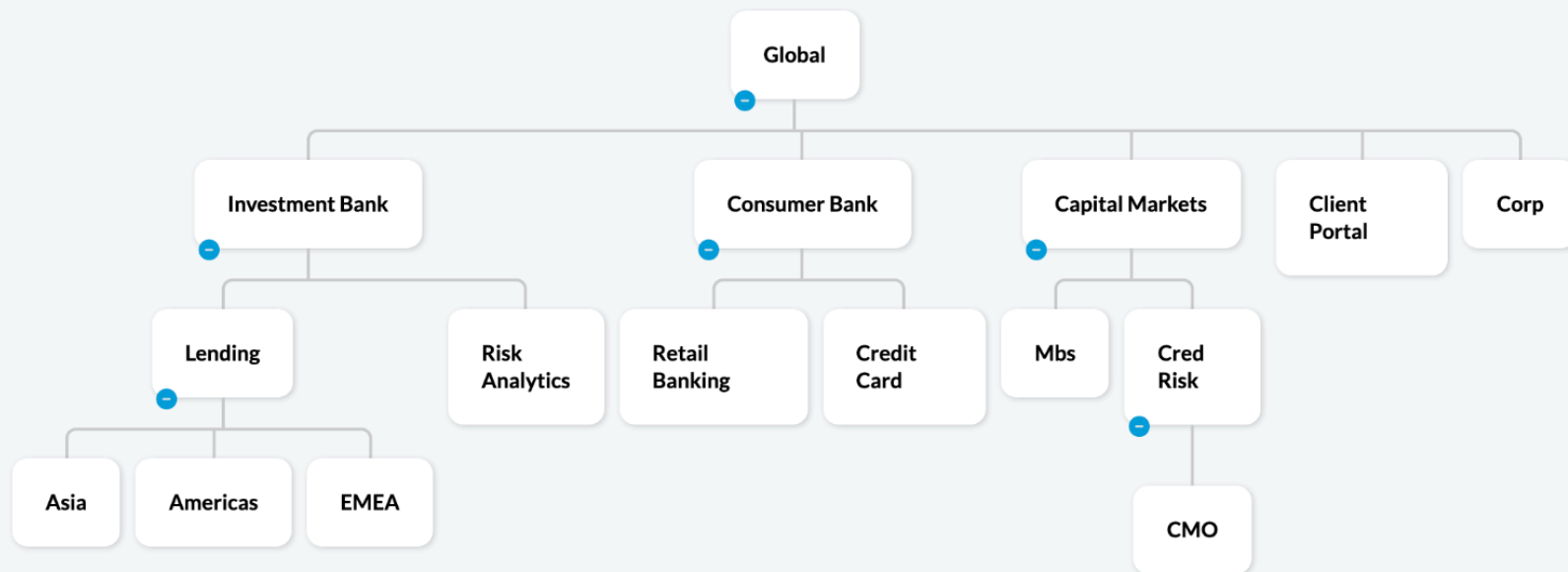
POLICY AS CODE OR LOW CODE

KNOWN CONTROLS
- ✓ Enterprise & LOB Specific Controls
- ✓ Industry Specific Controls (CSA, CIS, PCI, OCC, etc..)

BEHAVIORAL ANALYTICS

LEARNED CONTROLS
- ✓ User privileges and usage
- ✓ Network flows
- ✓ General Cloud Usage / Spend

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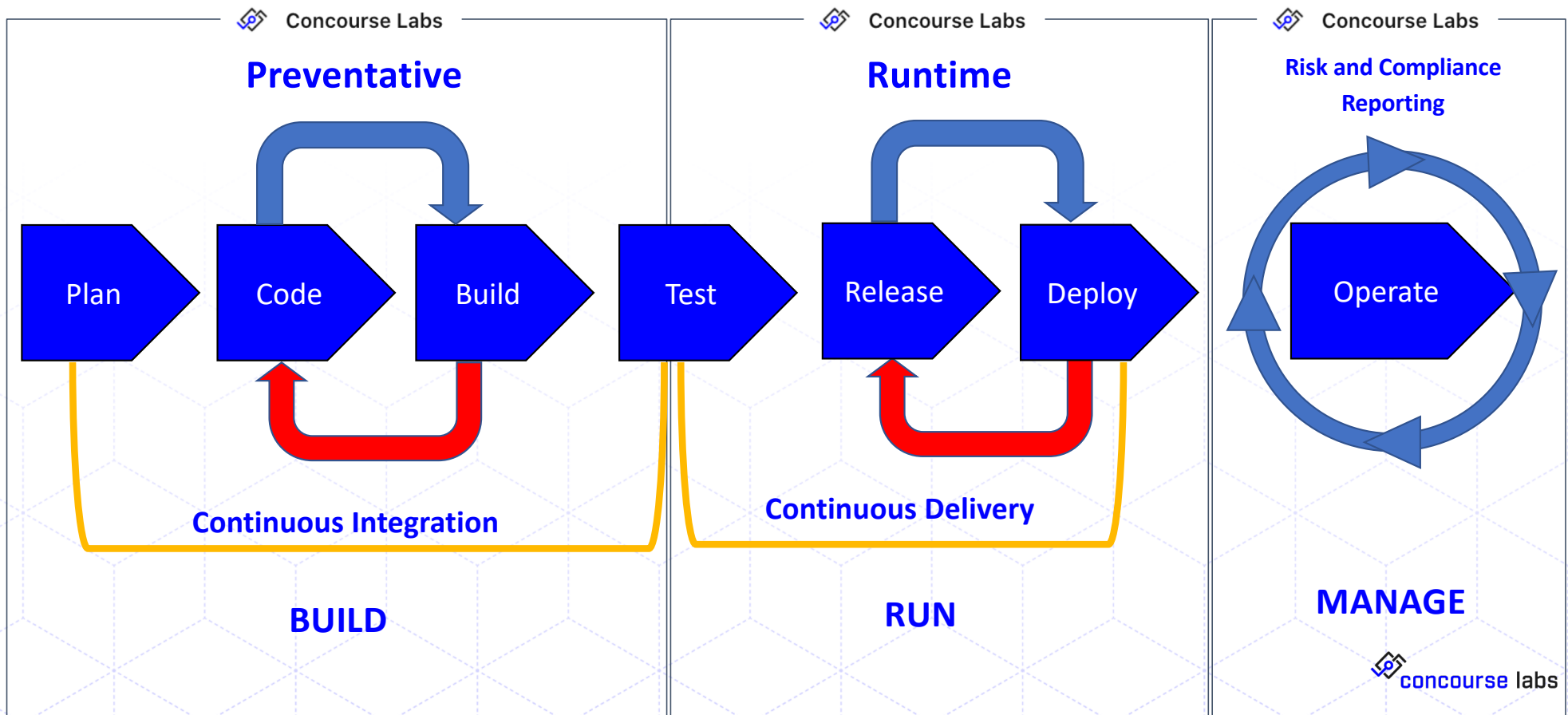# POLICY DRIVEN BY YOUR BUSINESS CONTEXT

For more detail on Concourse Labs Surfaces click the video link > Simplify Cloud Governance with Business Context

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CI/CD PIPELINE PROCESS IS CONTINUOUS

Plan

Code

Build

Test

Release

Deploy

Operate
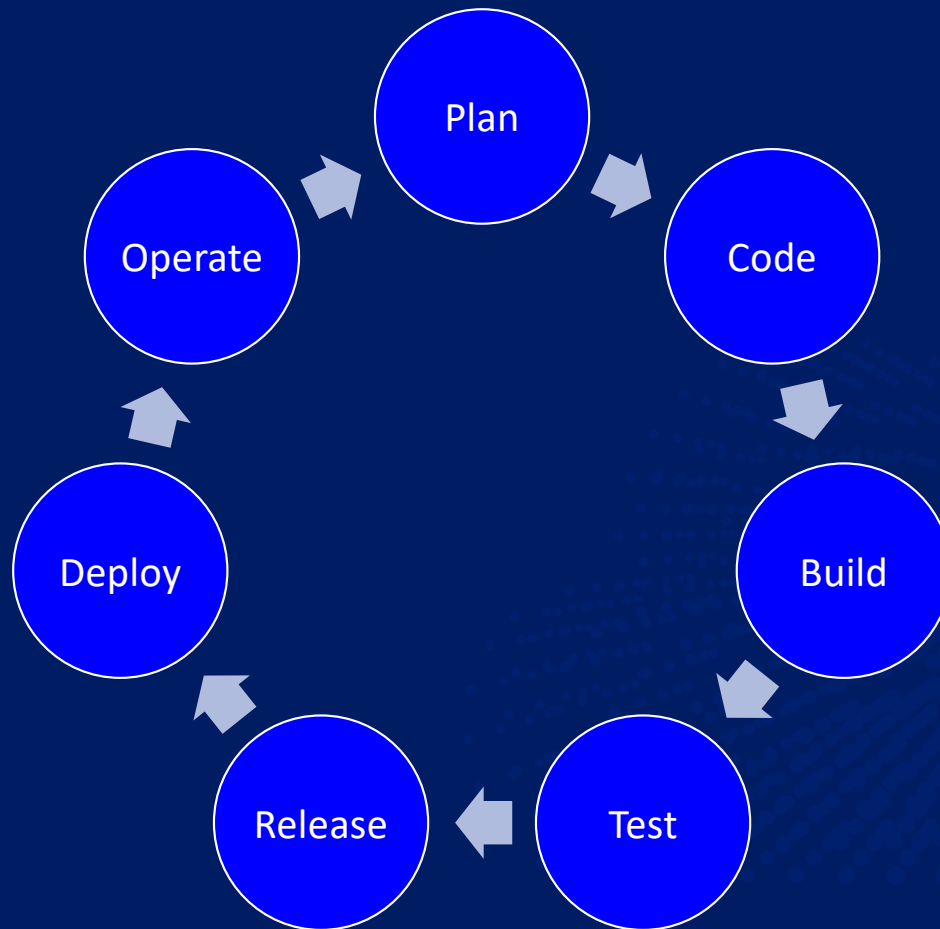
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INTEGRATE DIGITAL CLOUD GOVERNANCE WITH YOUR CI/CD PIPELINE

CONCOURSE LABS & CSA CCM CONTENT

➤ **Support coming in February 2021 for CSA CCM**

➤ **Future Roadmap Content for Regulatory Requirements: FINRA, OCC and FinCEN**

Application & Interface Security (AIS)	Audit Assurance & Compliance (AAC)	Business Continuity Management & Operational Resilience (BCR)	Change Control & Configuration Management (CCC)
Data Security & Information Lifecycle Management (DSI)	Datacenter Security (DCS)	Encryption & Key Management (EKM)	Governance and Risk Management (GRM)
Human Resources (HRS)	Identity & Access Management (IAM)	Infrastructure & Virtualization Security (IVS)	Interoperability & Portability (IPY)
Mobile Security (MOS)	Security Incident Management, E-Discovery, & Cloud Forensics (SEF)	Supply Chain Management, Transparency, and Accountability (STA)	Threat and Vulnerability Management (TVM)

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CONCOURSE LABS –RESOURCES

Demo Videos

- [Get Full Visibility of All Your Cloud Assets](#)
- [Simplify Cloud Governance with Business Context](#)
- [Protect Your Cloud from Compromise](#)
- [Automate Cloud Policies and Controls](#)
- [Gain Visibility of Cloud Risks and Determine Who Is Responsible](#)

Sample Reporting

- [Cloud Control Framework Report](#)

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Automate Cloud Governance.
Secure Visibility.
Reduce Risk.

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