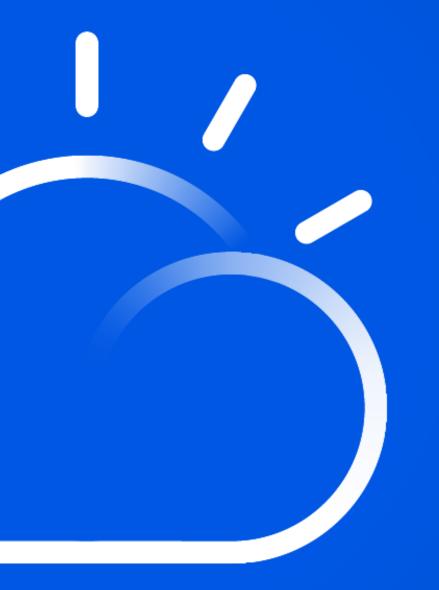
# IBM Cloud Satellite Build Faster. Securely. Anywhere.

Dave Tropeano Program Director, IBM Cloud Satellite











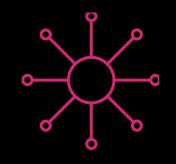
# Clients are asking for...

Public cloud consumption experience everywhere

Cloud services database, OpenShift, DevOps, AI and so on delivered on premises, at the edge and in any cloud infrastructure Single management and operations experience

67% of enterprises list consistency of management as a priority concern





Ownership, operation, governance, updates and evolution of services by a cloud provider

Allowing clients to focus on their apps not ops

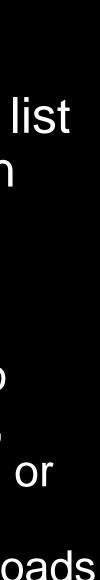


Flexibility to run apps where it makes sense

73% of enterprises list movement between clouds as a priority concern

Low latency access to on-premises systems, local data processing, or local data storage, especially for AI workloads



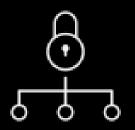


### IBM Cloud Satellite Capabilities





### Cloud services, managed everywhere



### Day 2 operations simplified for distributed workloads



Your workloads located where you need them



### Satellite Locations Key to a managed hybrid cloud

- Satellite Location -

**IBM Cloud Paks Red Hat Marketplace + IBM Software Catalog** 

**Satellite Enabled Cloud services** 

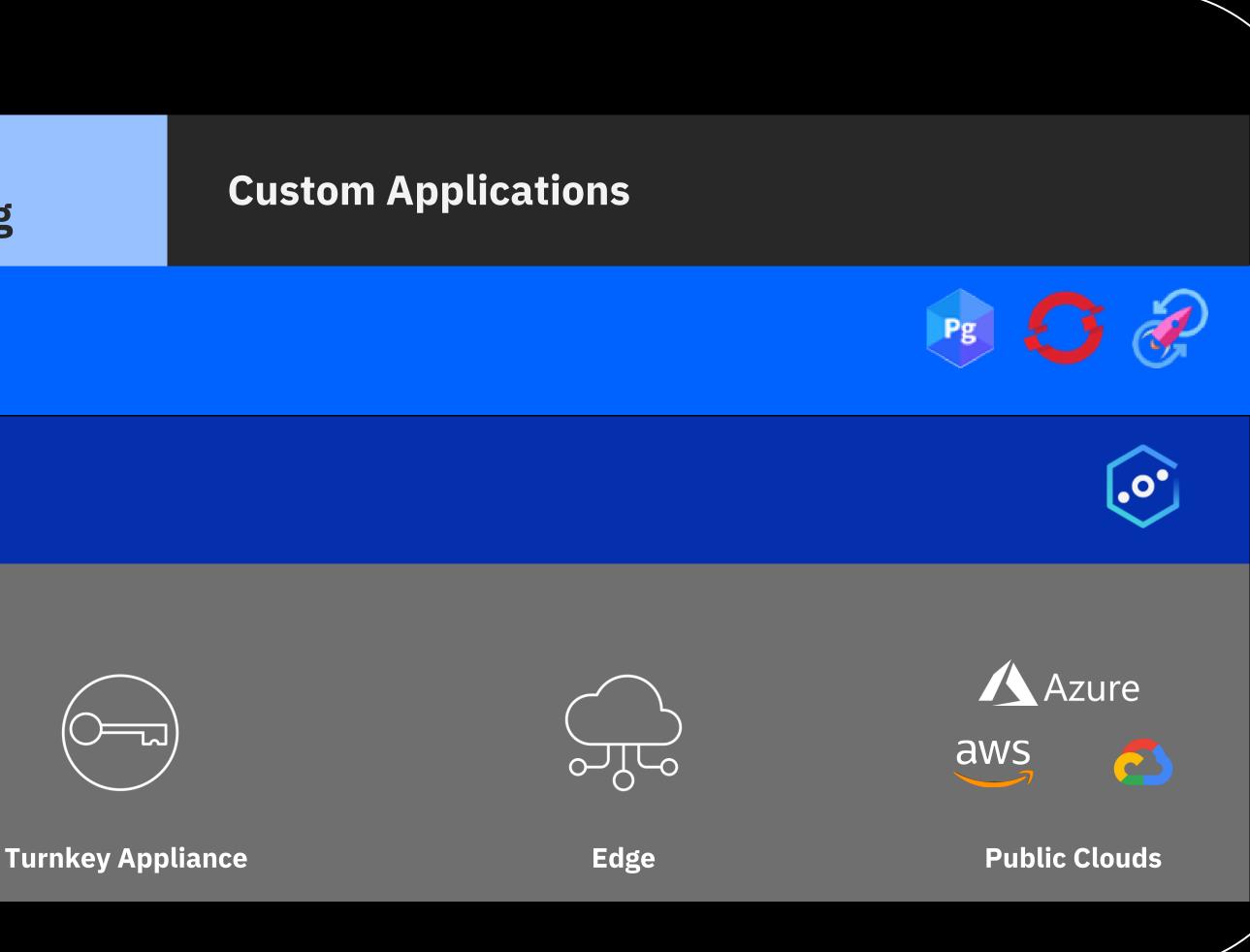
**Satellite** 

**Client Infrastructure (Satellite Hosts)** 



Existing Infrastructure

**IBM Cloud Satellite** Infrastructure Service

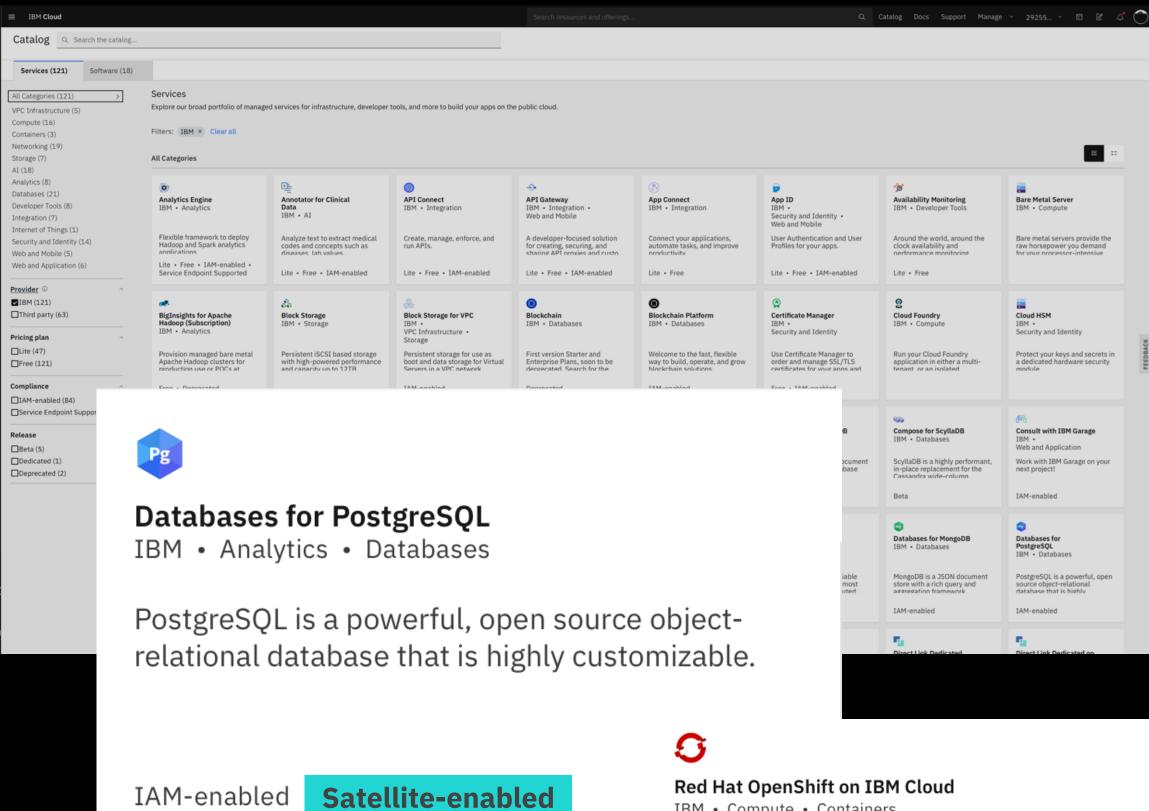




### IBM Cloud Services, managed everywhere

- **Rapidly build apps with familiar services:** databases, OpenShift, devOps, AI, IoT, ML\*...
- **Shift** responsibility for securing and running Cloud services: IBM SRE for lifecycle of configure, update, patch
- **Alleviate** latency, data sovereignty, sensitive workloads, or compliance concerns: apps and their services are co-located
- **Deploy** containerized apps from IBM Cloud Catalog on any Location, like Cloud Paks

\*Services to be added over time



IBM • Compute • Containers

Deploy and secure enterprise workloads on native OpenShift with developer focused tools to run highly available apps.

IAM-enabled • Service Endpoint Supported Satellite-enabled





# Security, control, operations for distributed workloads

Single pane of glass from IBM Cloud console

- Dashboard for operations across environments
- Identity, key & certificate management
- Observability: Central logging & monitoring for apps and platform

Auditable inventory of everything you're running no matter where it lives

**Rule-based delivery of resources for workloads** 

 Correct resources are always deployed and up-to-date on the location

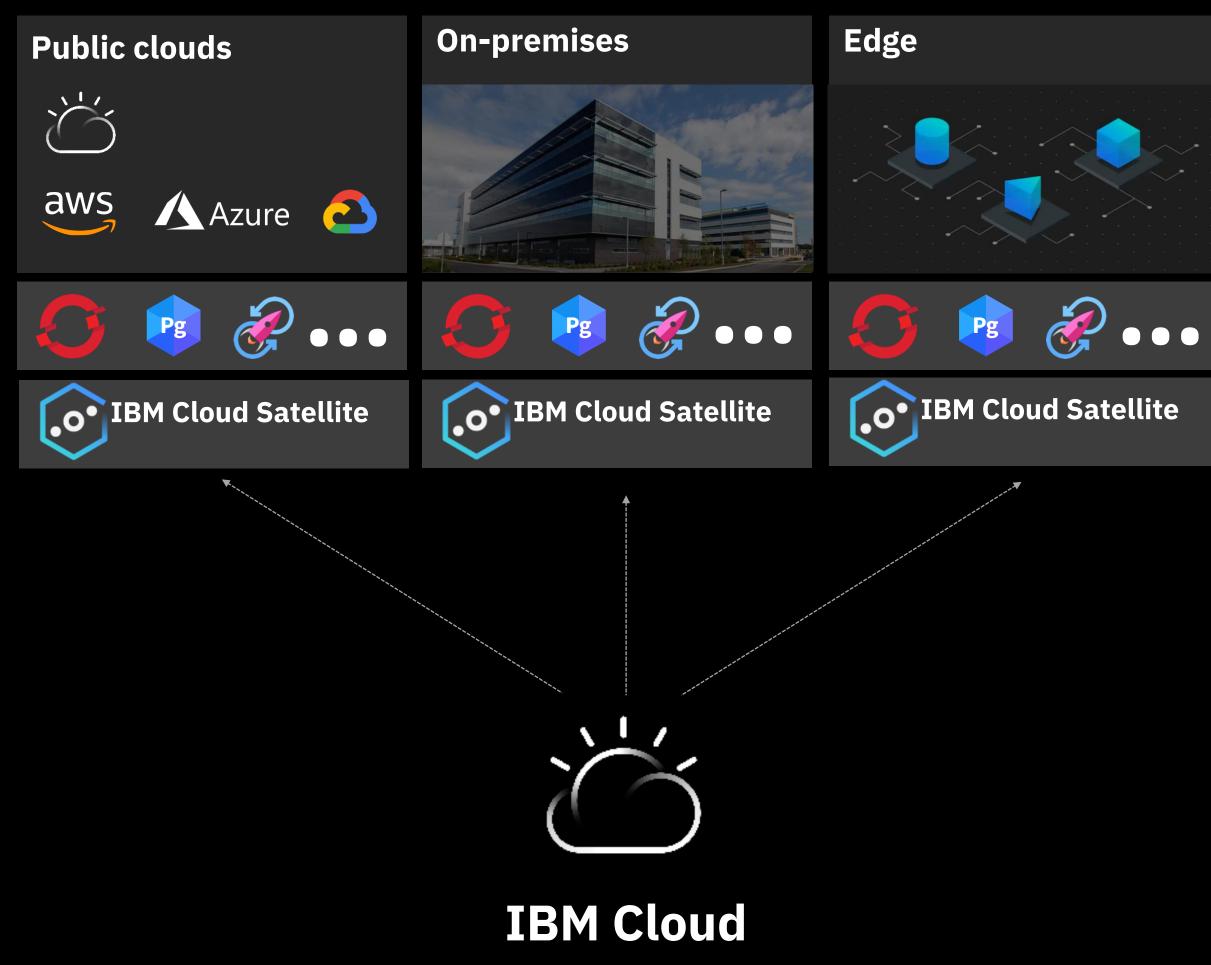
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### Workloads located where you need them

### Begin in IBM Cloud and register your location in minutes

Location	Client manages their basts			
	<ul> <li>Client manages their hosts (infrastructure) within a location</li> </ul>			
Flexibility	Run app where it makes sense			
	<ul> <li>For regulated workloads, migrations, edge platforms, low latency</li> </ul>			
Choice	Compute size network connectivity resource allocation			



# Launch your own Satellites Today

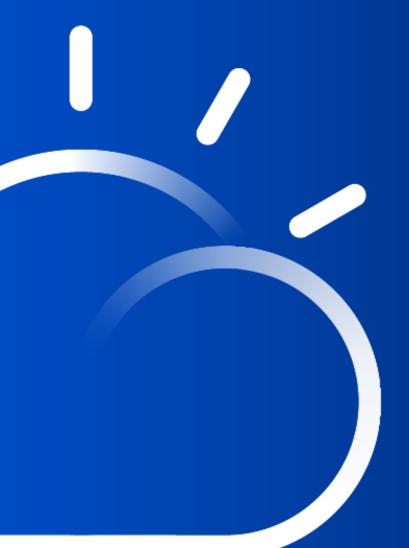
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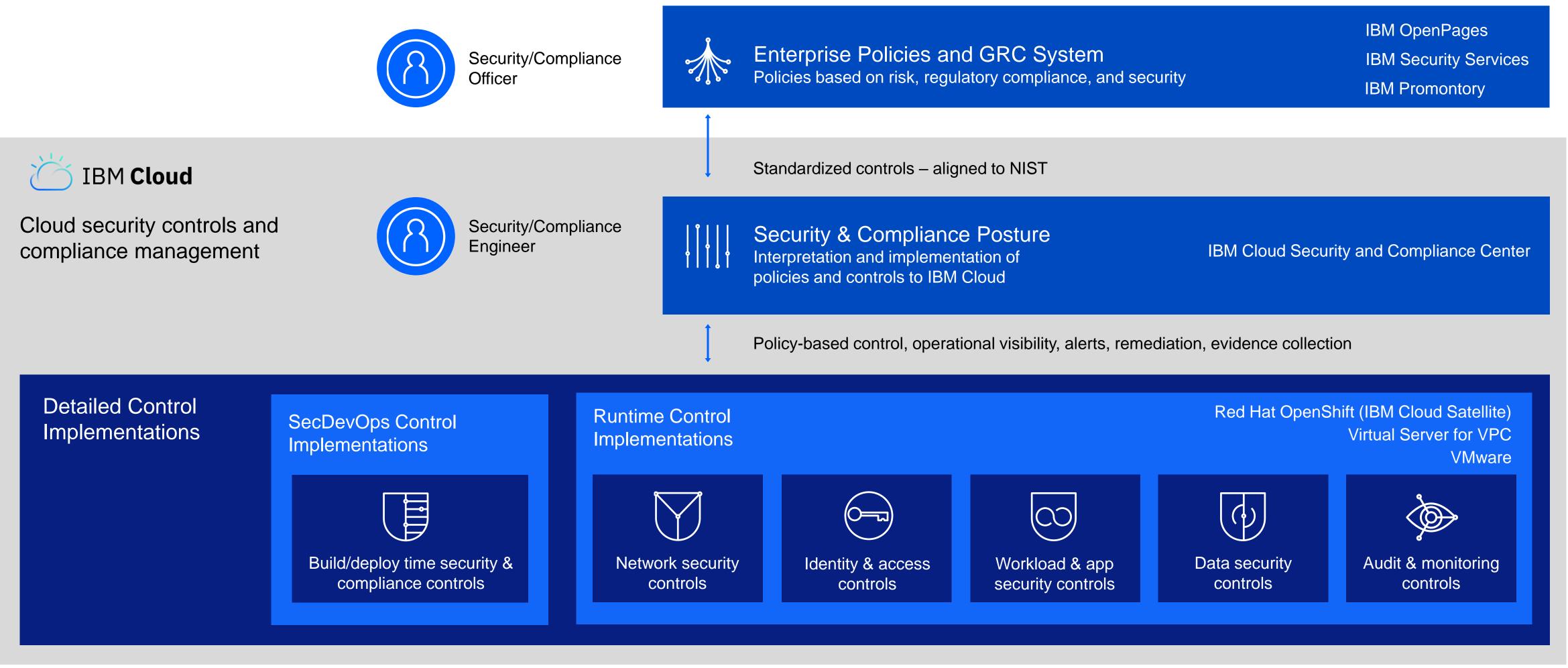
### **IBM Cloud for Financial Services**

IBM GSI Labs





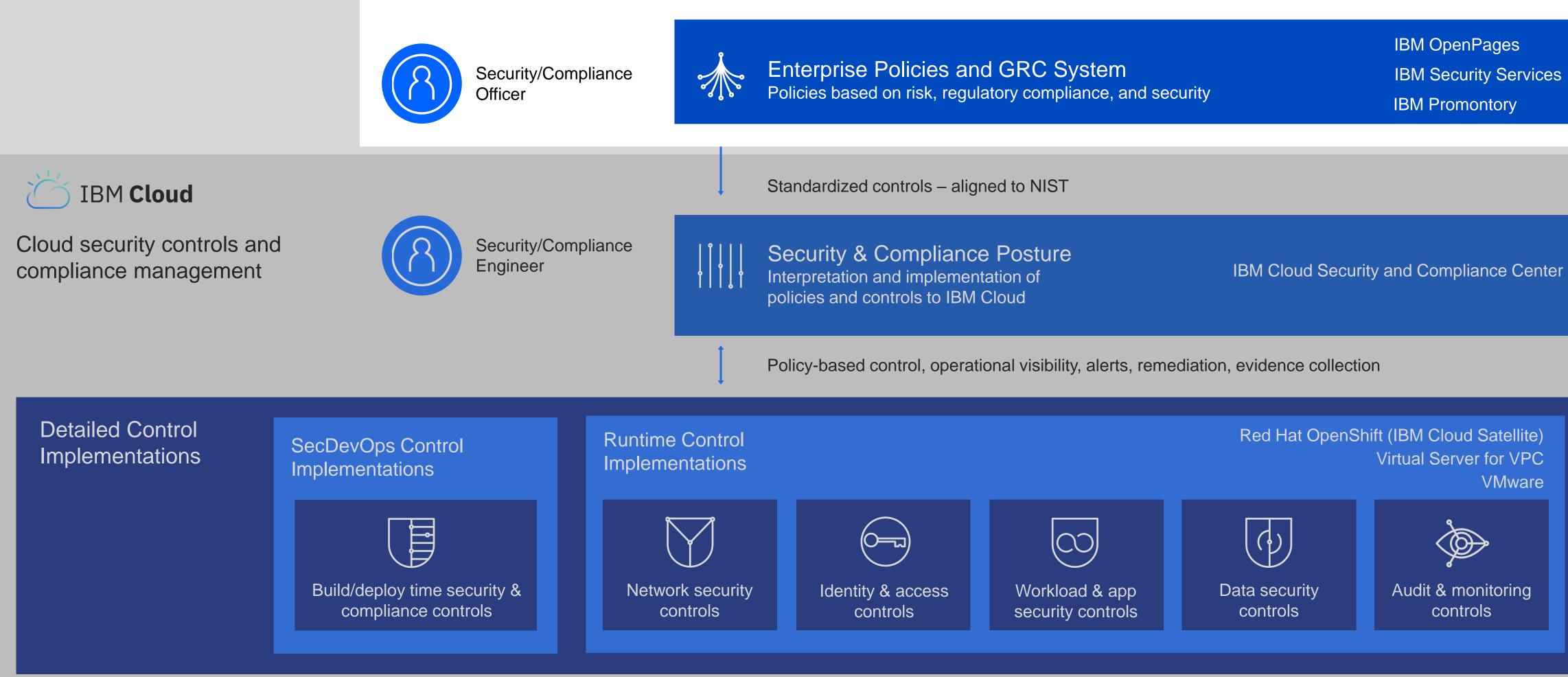










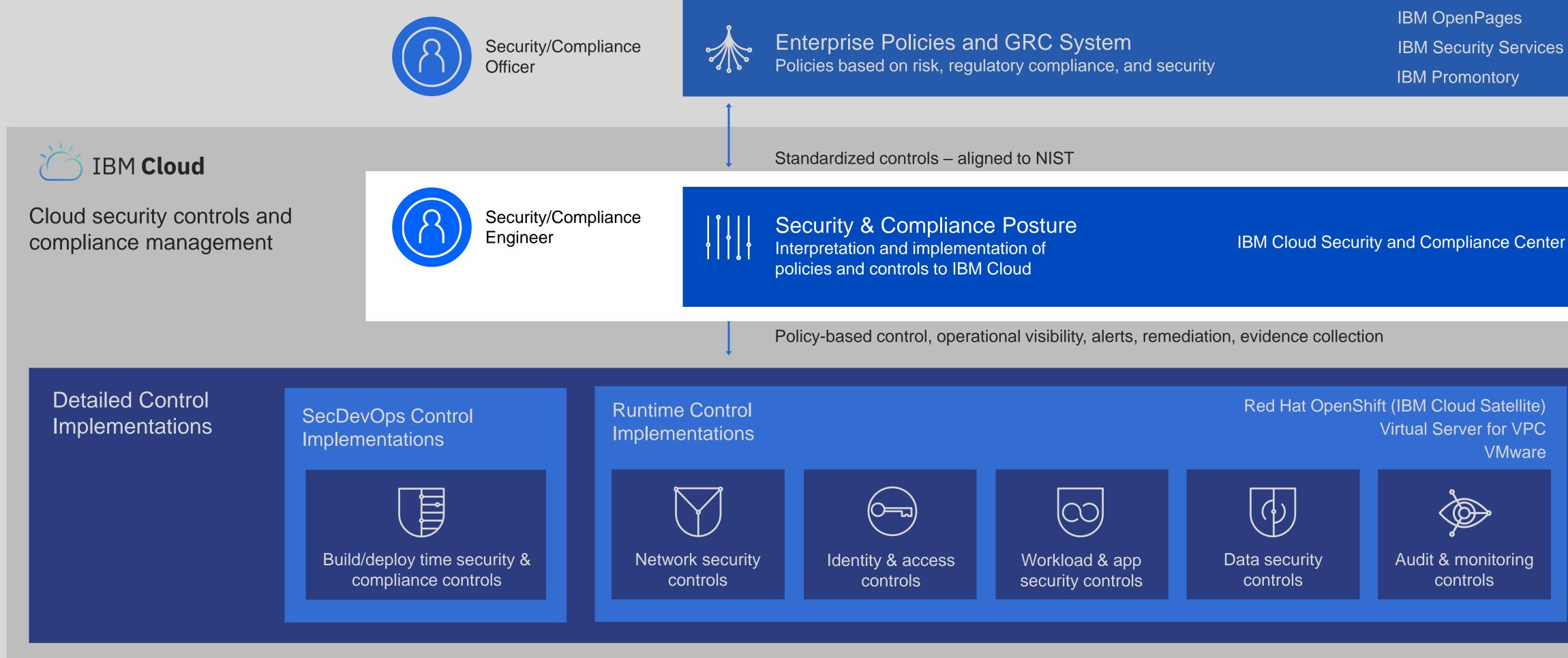










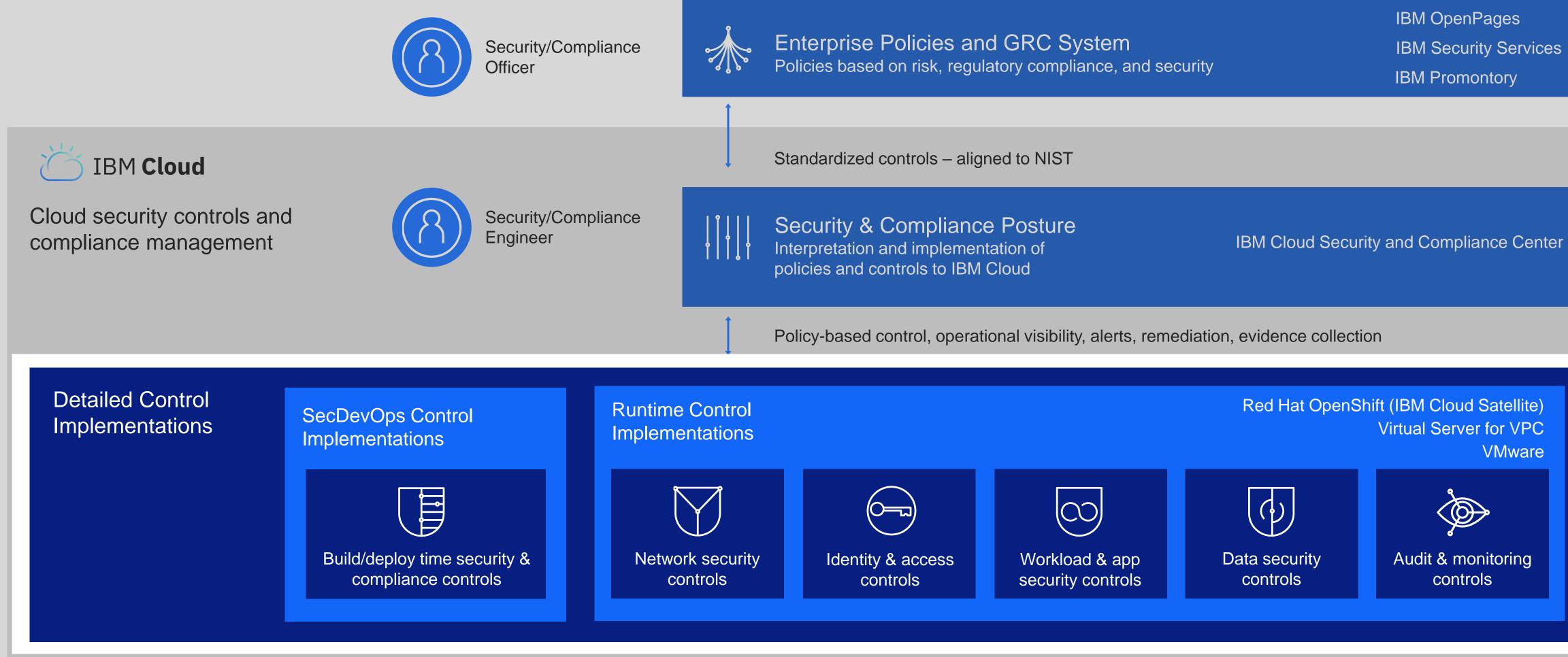














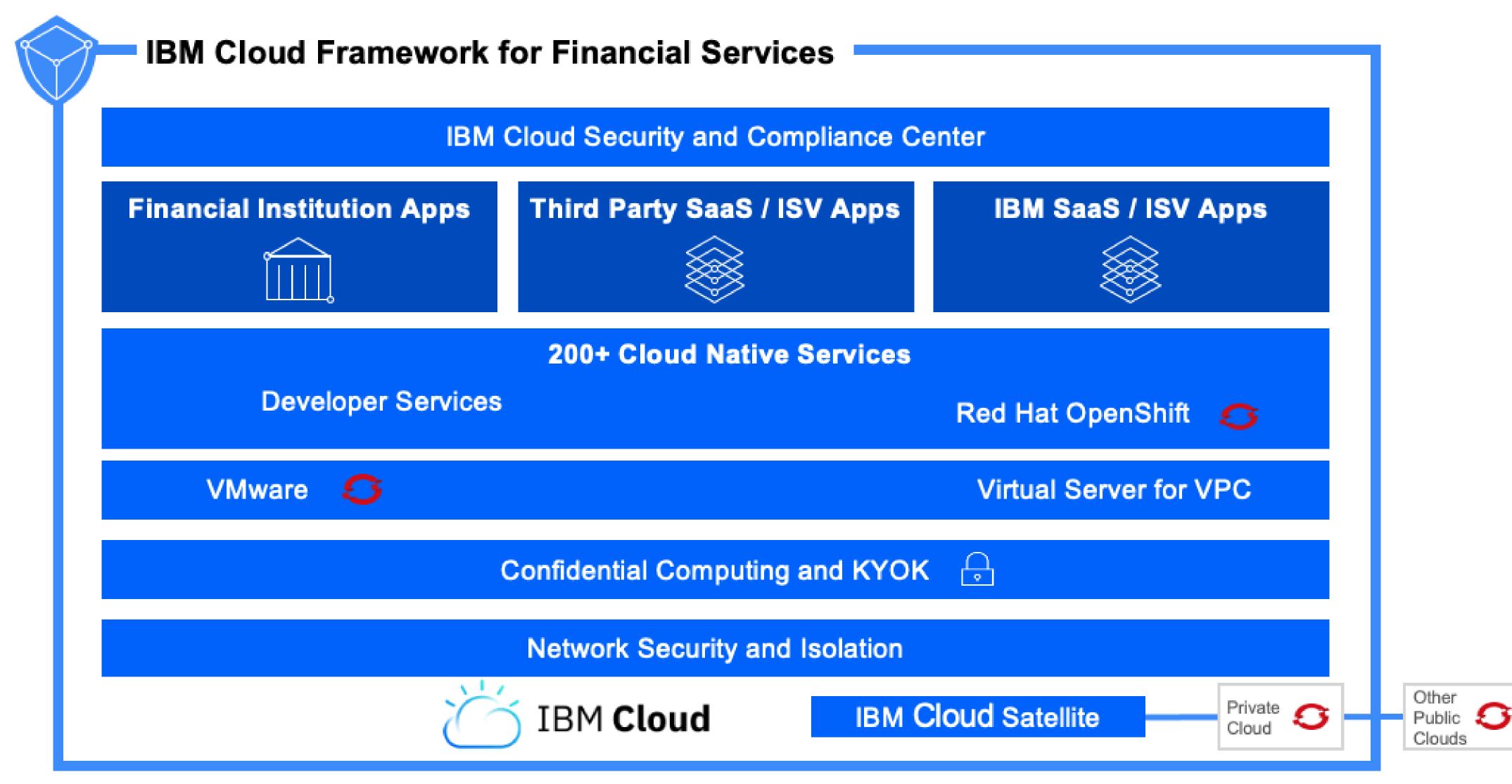






## IBM Cloud for Financial Services<sup>™</sup> Reference Architectures

Three reference architectures for different requirements



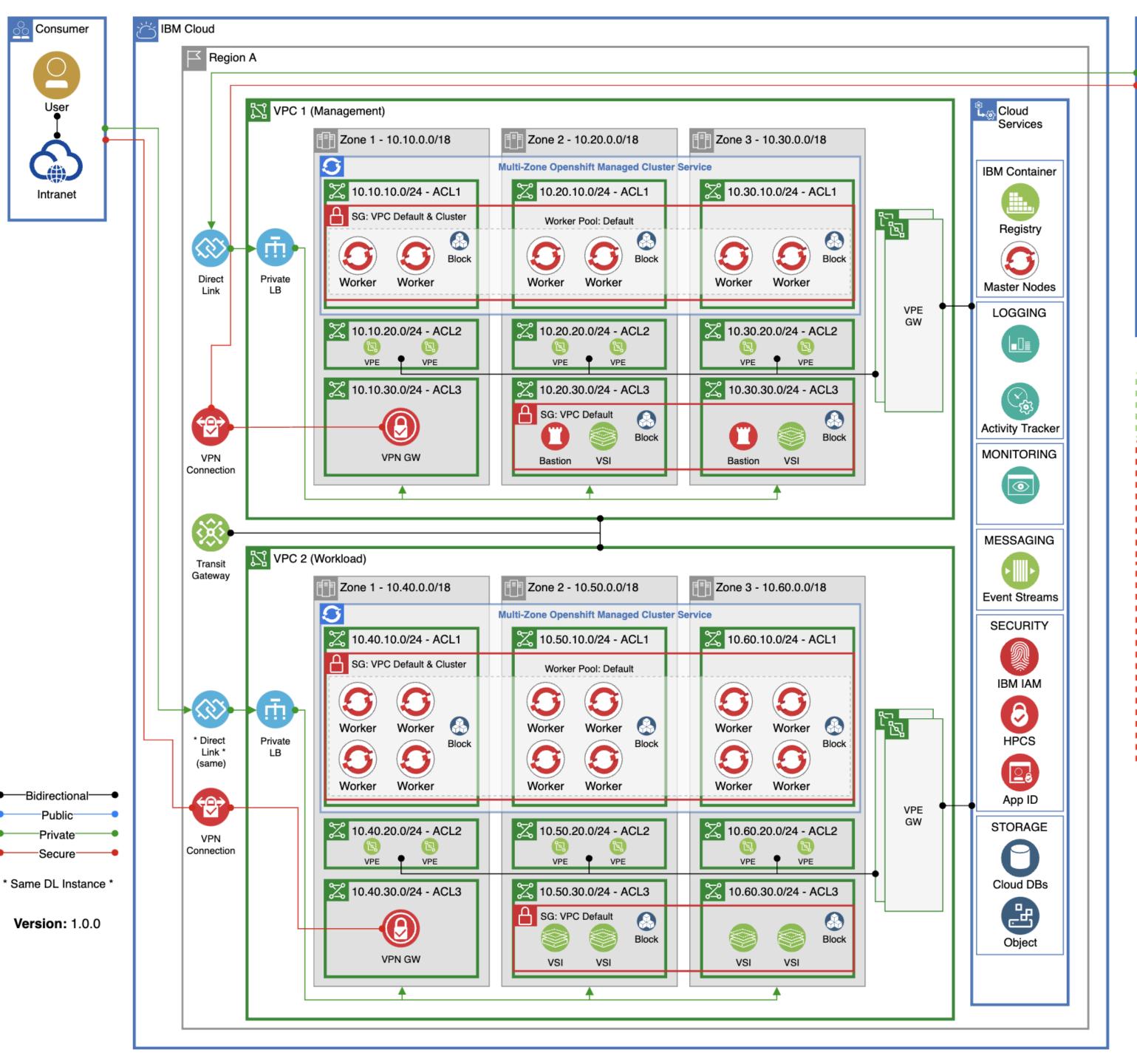
IBM Cloud / © 2021 IBM Corporation

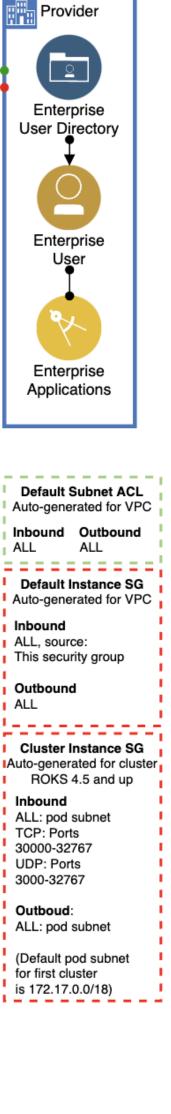
IBM Cloud for Financial Services<sup>™</sup>





Satellite\* architecture with Red Hat **OpenShift on** IBM Financial Services **Cloud (single** location)





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### Introduction to the FS Cloud Controls



IBM GSI Labs



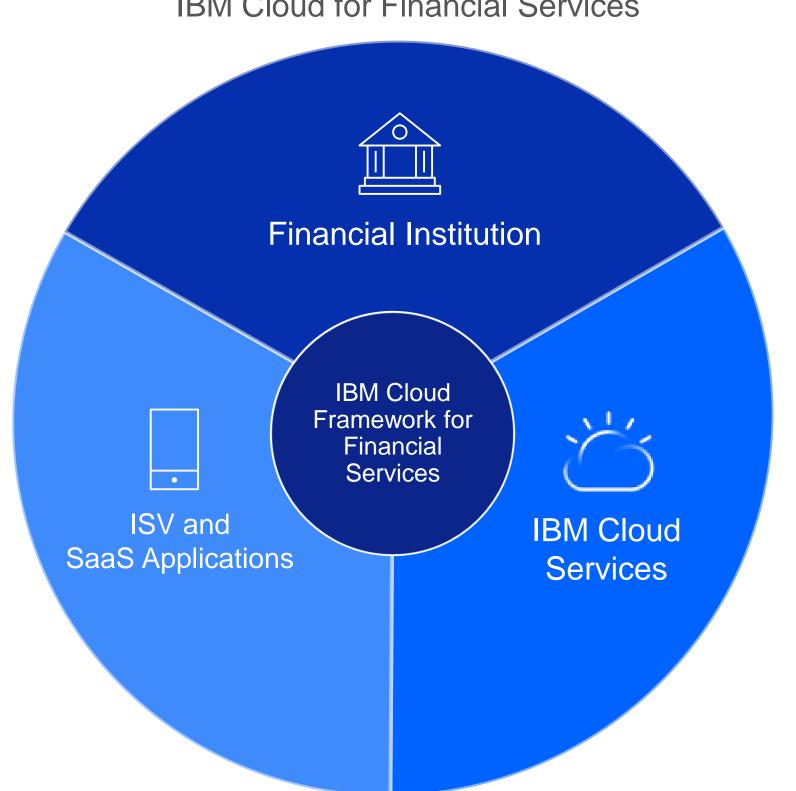




# **IBM Cloud Framework for Financial Services**

Enabling an industry risk-centric controls approach at the intersection of business and technology

- Financial Institution's (FI) risk management and compliance enabled by industry-focused controls, automation and continuous monitoring capabilities
- Digital supply chain partners (ISVs / SaaS) validated for adoption and maintenance of controls
- In-depth assurance for IBM Cloud for Financial Services environment, increasing transparency



### Private cloud security on an enterprise-grade public cloud

A common set of risk-centric controls, adhered to by the entire digital supply chain and ecosystem

### **IBM Cloud for Financial Services**

- Reduces FI's overall risk with automation of controls using curated patterns and profiles
- Enables real-time monitoring and  $\bullet$ continuous compliance using IBM Cloud tools and solutions
- Speeds demonstration of compliance for FI and digital supply chain partners
- Increases allowable sensitivity in data and applications
- Lowers cost and complexity of staying current with regulatory changes



### The Framework enables continuous compliance Staying informed and current with the complex and ever-changing global, industry and regulatory requirements

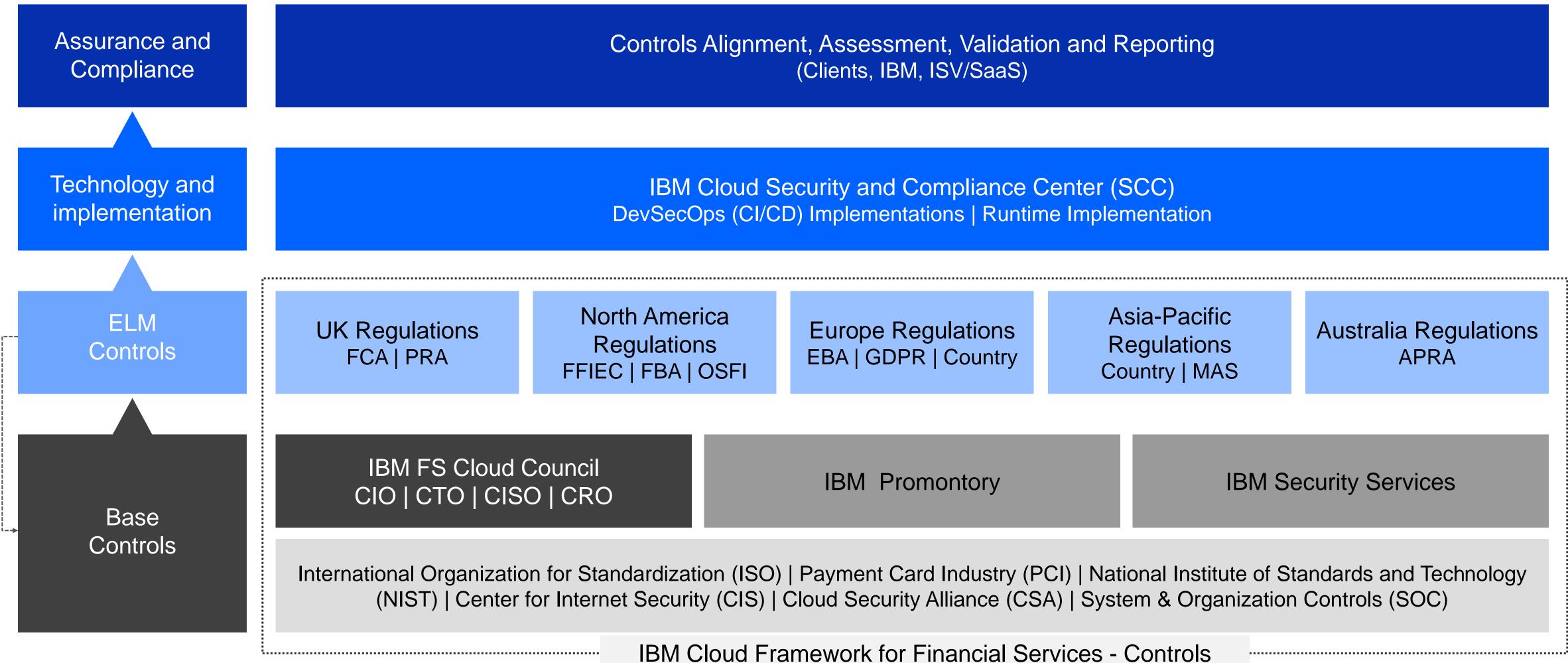


Note: Representative regulatory, industry and global standards that are referenced, as driven by program roadmap.



## IBM Cloud Framework for Financial Services - Methodology

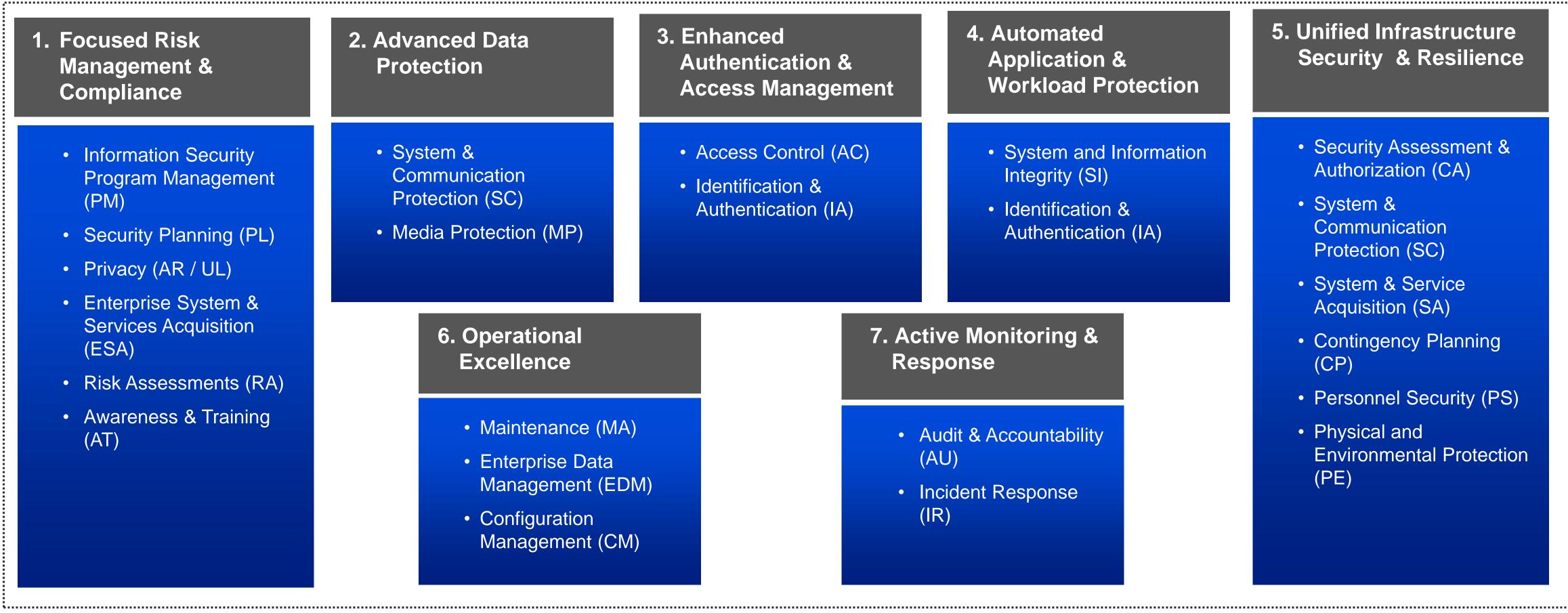
Methodology drives the security and risk architecture



Note: Representative list of standards, regulations and solutions based on offering roadmap | ELM Contr

d Framework for Financial Services - Controls	
ols: Enhanced Local Market Controls	

### IBM Cloud Framework for Financial Services Focus Areas and Control Alignment Seven focus areas, 21 unique control families, ~280 controls



### Authentication & **Access Management**

Access Control (AC)

 Identification & Authentication (IA)

### 4. Automated Application & **Workload Protection**

- System and Information Integrity (SI)
- Identification & Authentication (IA)

### 7. Active Monitoring & Response

- Audit & Accountability (AU)
- Incident Response (IR)

### **5. Unified Infrastructure Security & Resilience**

- Security Assessment & Authorization (CA)
- System & Communication Protection (SC)
- System & Service Acquisition (SA)
- Contingency Planning (CP)
- Personnel Security (PS)
- Physical and **Environmental Protection** (PE)

