

Teams app的Infra架构和合规性



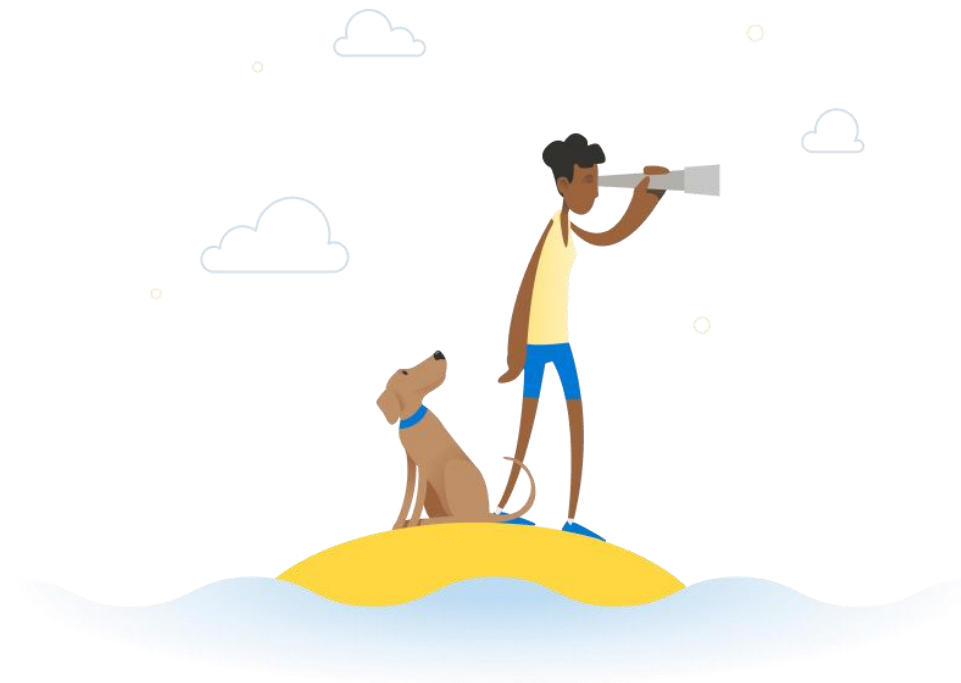
Jiongxian Xia
Microsoft MVP

Teams用户遍布全世界

- Teams App的挑战
 - 不同语言
 - 不同时区
 - 不同文化
 - 不同合规性要求

开始之前

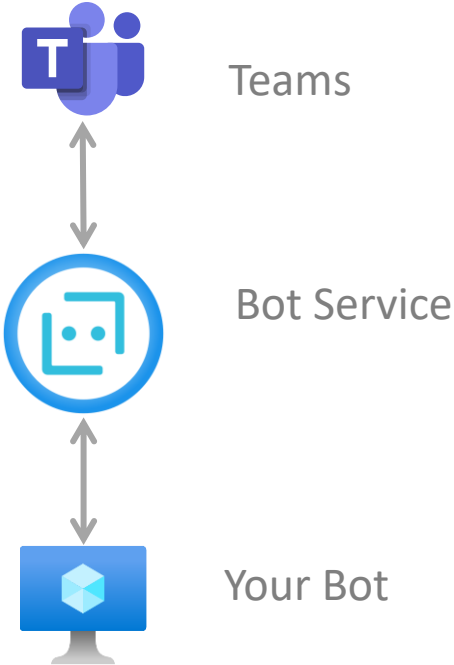
- Teams Toolkit 的使用
- Teams C# SDK 的使用
- Azure 的使用



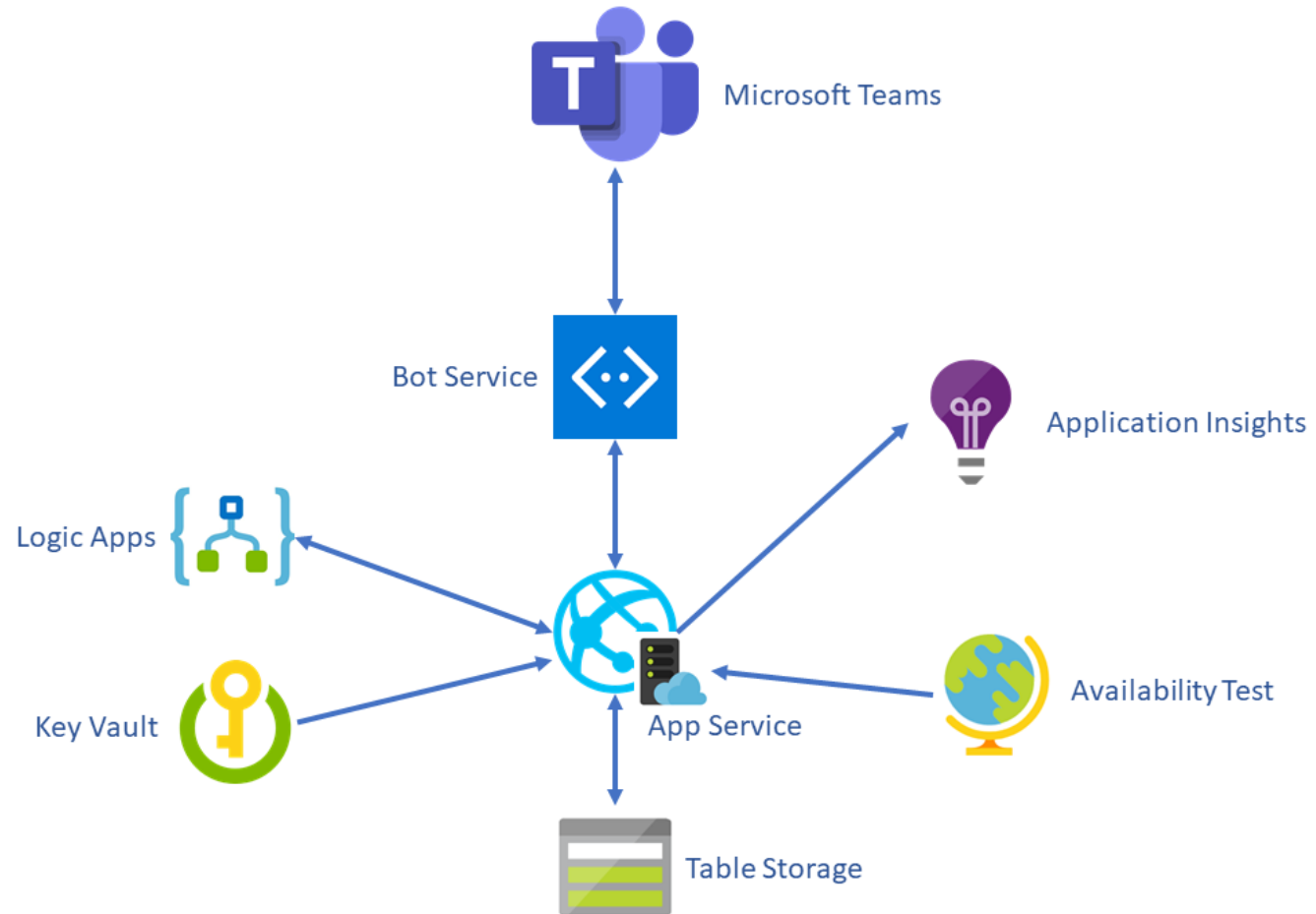
A photograph of a server room with rows of server racks. The racks are filled with server units, and there are many cables connected to them. The lighting is blue, and the perspective is looking down a long aisle between the racks.

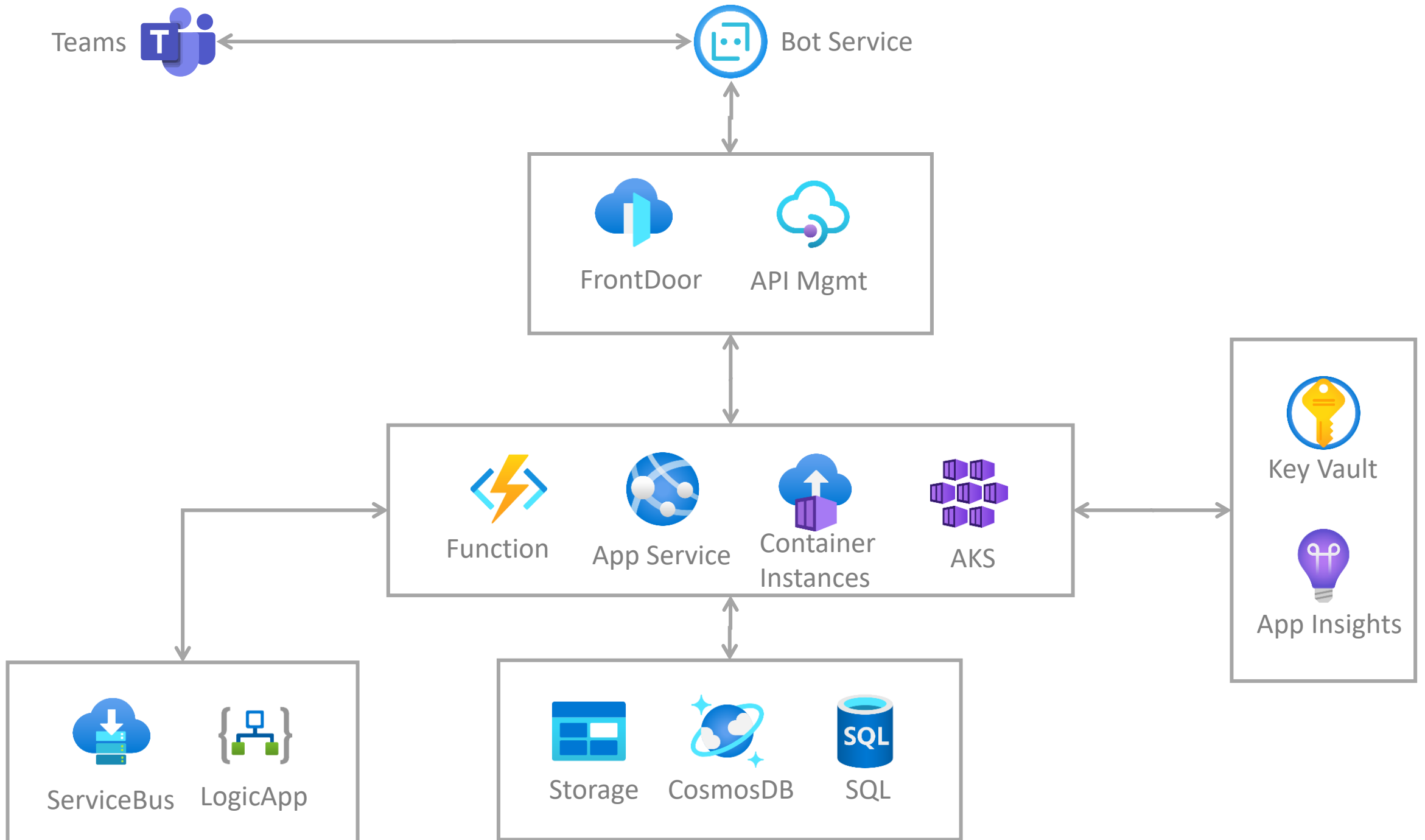
Infra架构

Teams Bot

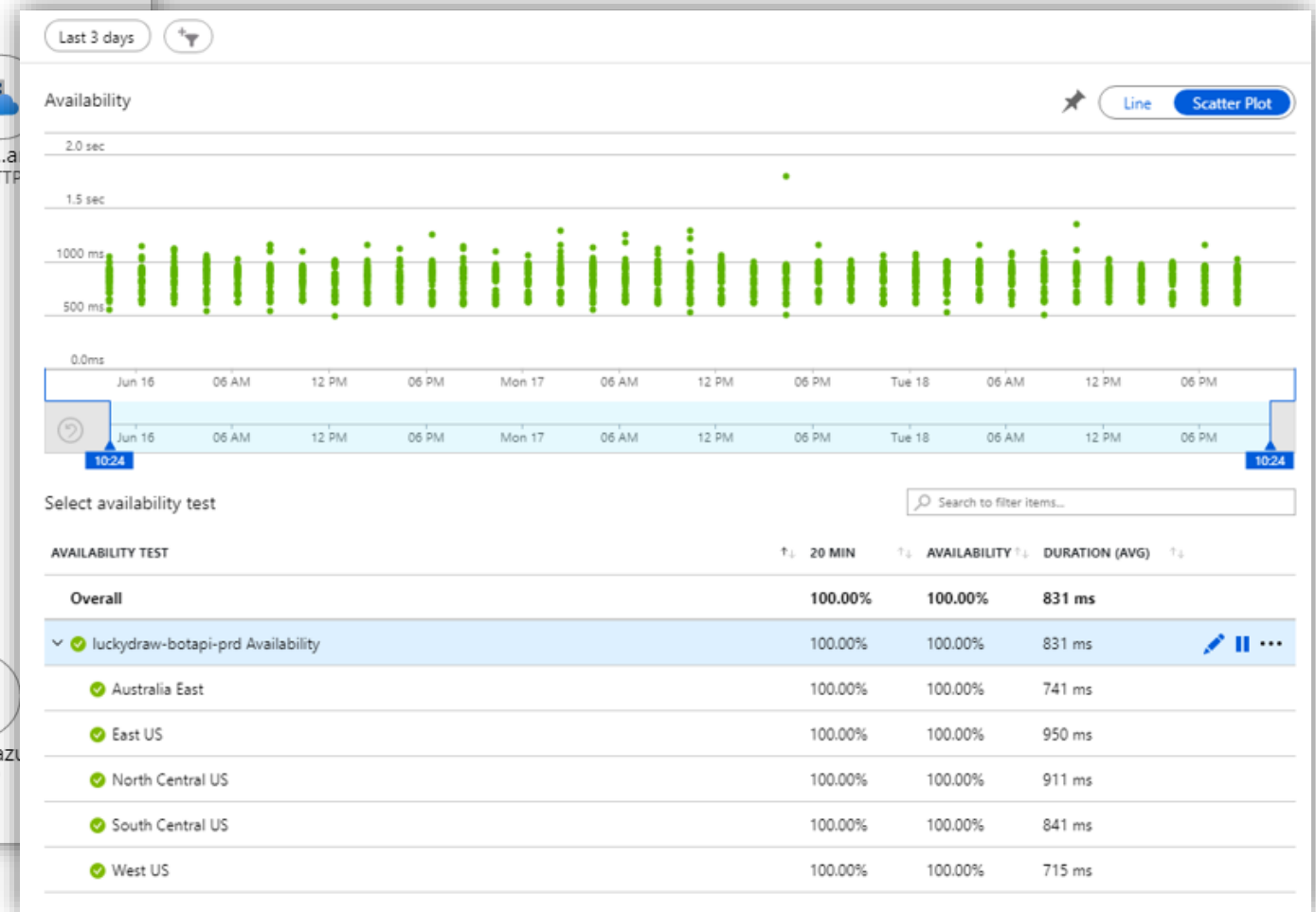
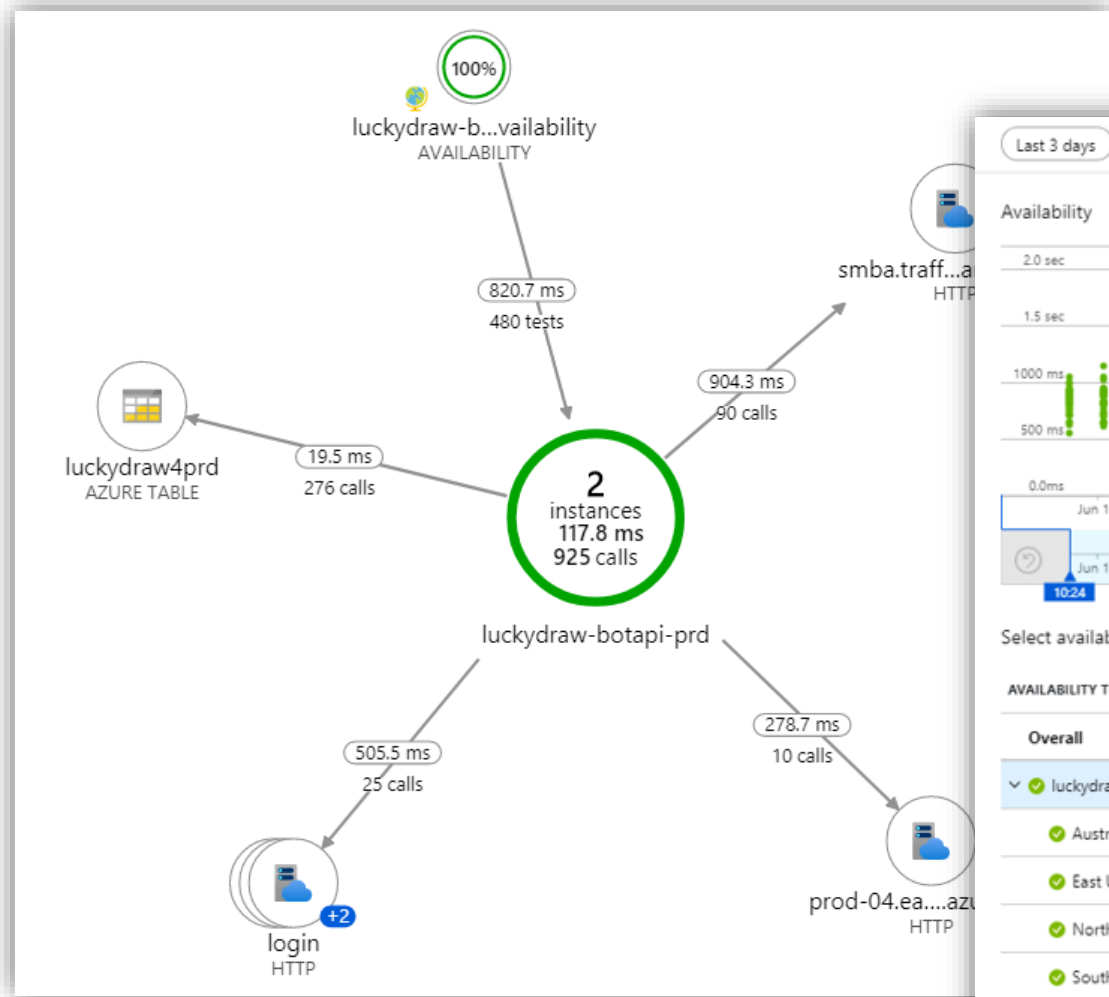


Cloud Native - Azure

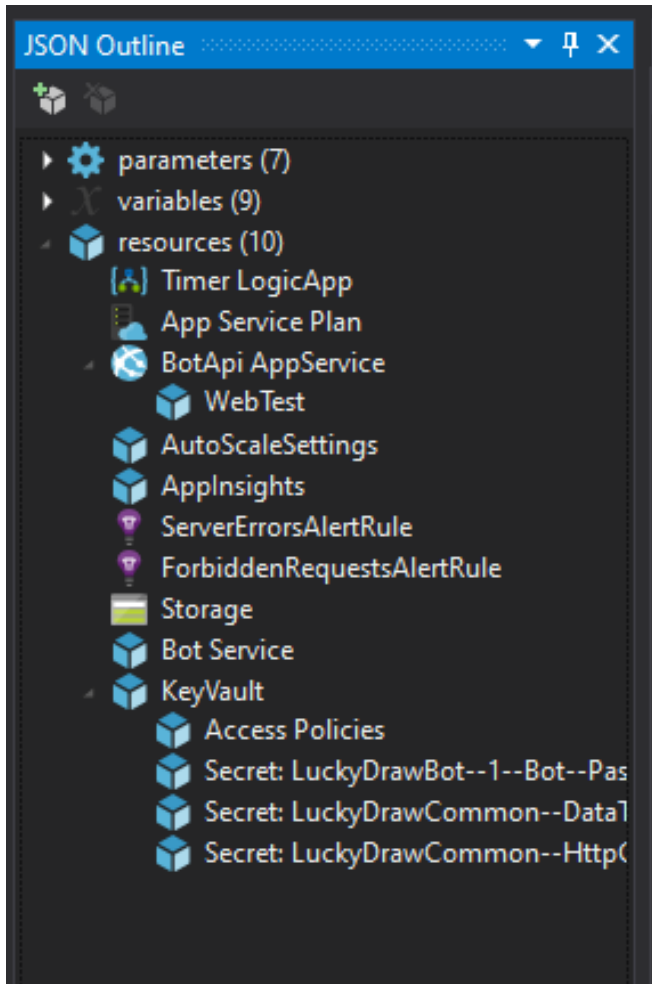












Monitor



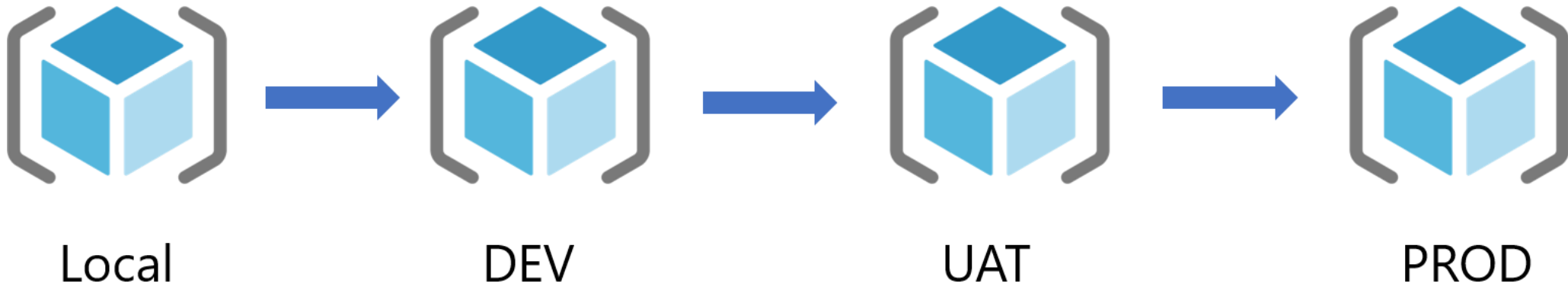
IaC (Infrastructure as Code)



<input type="checkbox"/>	Name ↑↓	Type ↑↓	Location ↑↓
<input type="checkbox"/>	 luckydraw-appinsights-prd	Application Insights	East US
<input type="checkbox"/>	 luckydraw-appplan-prd	App Service plan	East Asia
<input type="checkbox"/>	 luckydraw-bot-prd	Bot Channels Registration	global
<input type="checkbox"/>	 luckydraw-botapi-prd	App Service	East Asia
<input type="checkbox"/>	 luckydraw-botapi-prd-webtest	Availability test	East US
<input type="checkbox"/>	 luckydraw-keyvault-prd	Key vault	East Asia
<input type="checkbox"/>	 luckydraw-timer-prd	Logic app	East Asia
<input type="checkbox"/>	 luckydraw4prd	Storage account	East Asia

CI/CD

- Environments

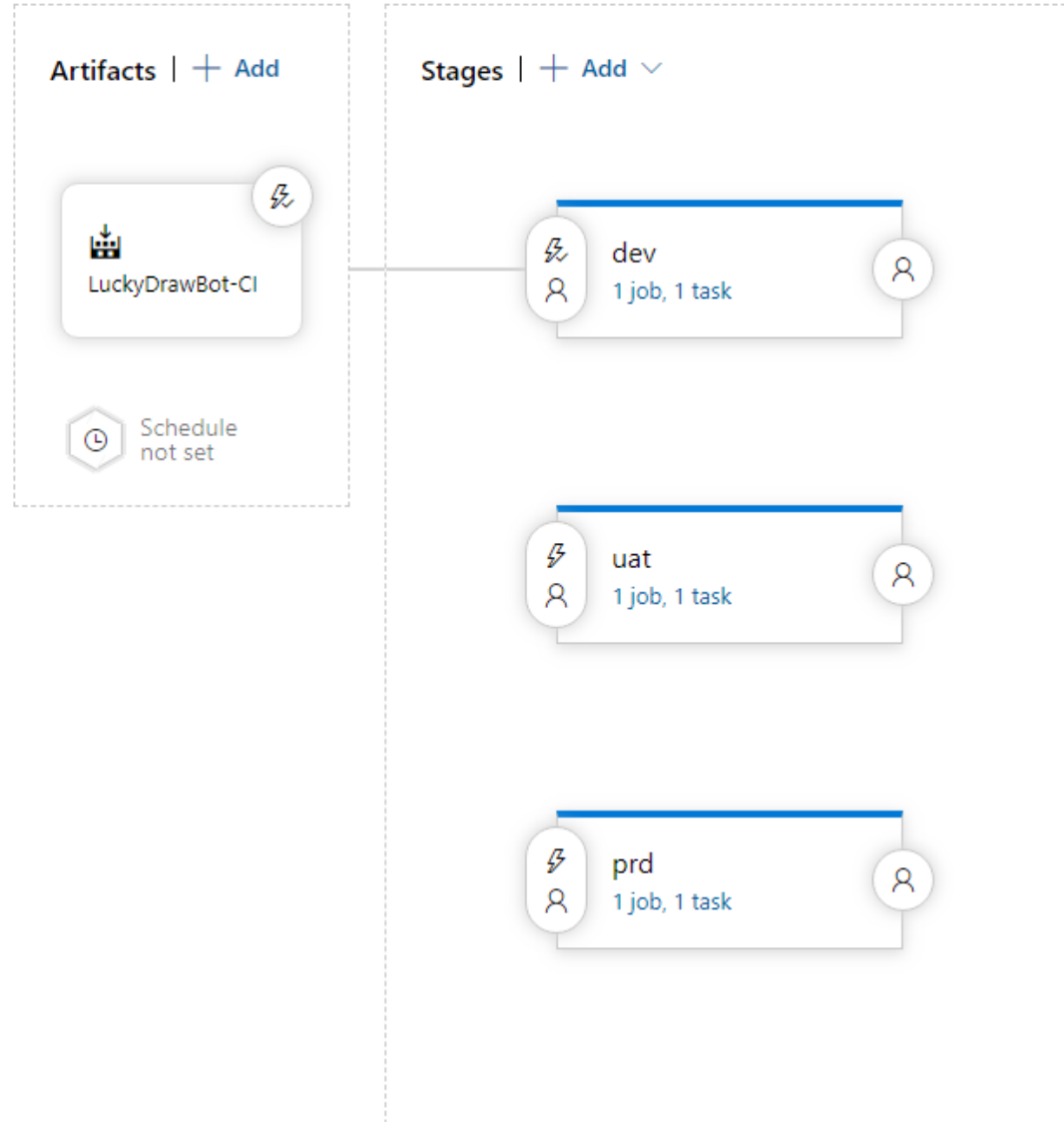


CI/CD

- Azure DevOps

All pipelines > LuckyDrawBot-CD

Pipeline Tasks Variables Retention Options History



合规性



GDPR

- Understanding the rights of individuals
 - Right to be informed
 - Right to restrict processing
 - Right to rectification
 - Right of access
 - Right to data portability
 - Right to object
 - Rights in relation to automated decision making and profiling
 - Right to erasure/to be forgotten





Global	Government	Industry	Regional
CIS Benchmark	FedRAMP	23 NYCRR Part 500	BIR 2012 (Netherlands)
CSA Cloud Control Matrix	FIPS 140-2	APRA (Australia)	CCSL/IRAP (Australia)
CSA-STAR-Self-Assessment	NIST Cybersecurity Framework (CSF)	FDA CFR Title 21 Part 11	CS Gold Mark (Japan)
ISO 27001	Section 508 VPATS	FERPA	EN 301 549 (EU)
ISO 27017	UK G-Cloud	FFIEC (US)	ENS (Spain)
ISO 27018		FISC (Japan)	ENISA IAF (EU)
SOC 1		GLBA	EU-Model-Clauses
SOC 2		GxP	EU-U.S. Privacy Shield
WCAG 2.1		HIPAA/HITECH	GDPR (EU)
		HITRUST	LOPD (Spain)
		NEN-7510 (Netherlands)	MTCS (Singapore)
		SOX	My Number (Japan)
		TISAX (Germany)	NZ CC Framework (New Zealand)
		TruSight	PDPA (Argentina)
			PIPEDA (Canada)

Compliance Conflict

- European Union: GDPR
- Australia: Assistance and Access Act 2018



Azure

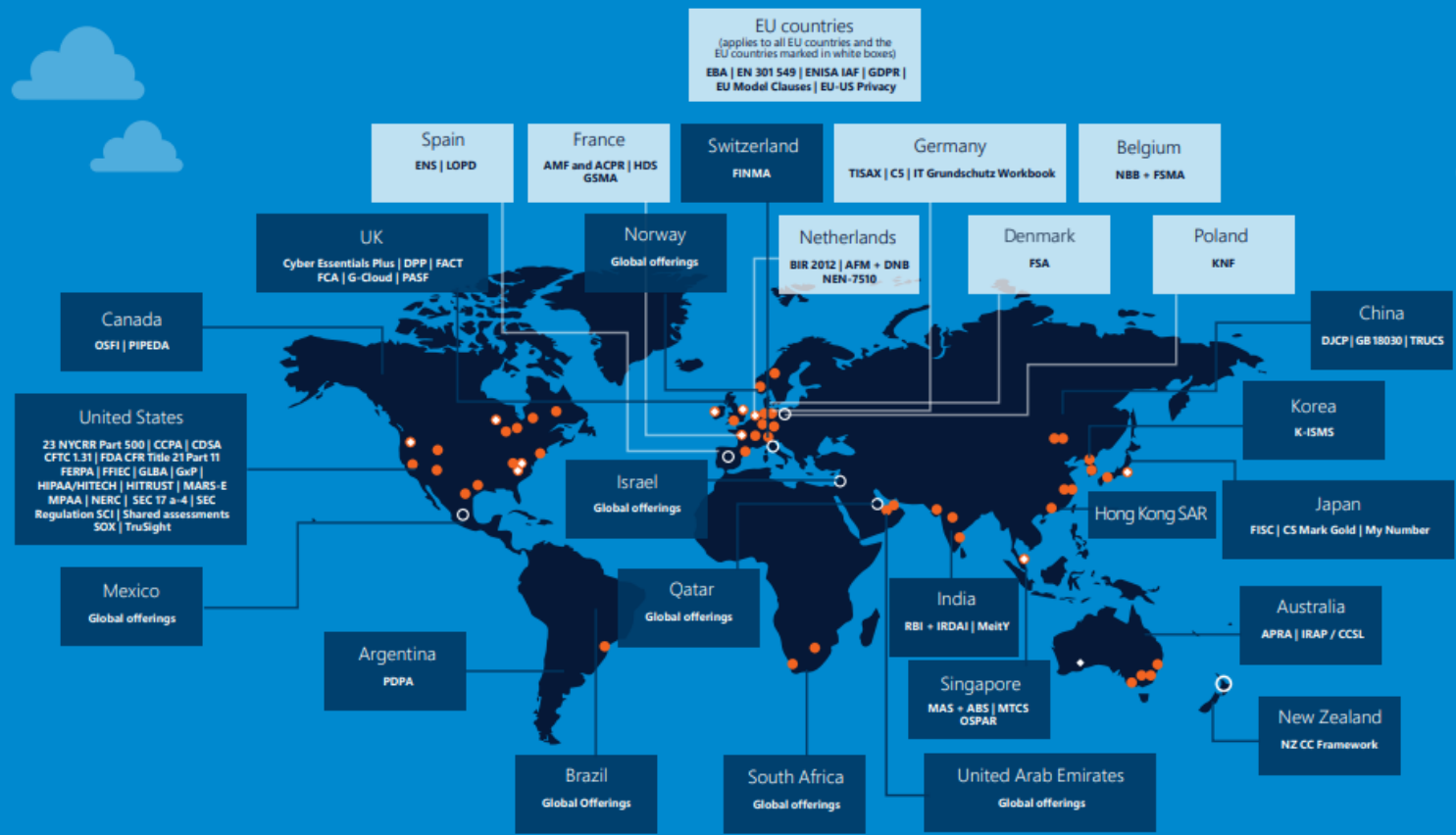
- Global data location, Multi-Geo
 - Performance optimization
 - Meet data residency requirements
- Azure Regions
 - <https://azure.microsoft.com/en-us/global-infrastructure/global-network/>

Azure global compliance



The following compliance standards apply globally

CIS Benchmark | CSA-STAR attestation | CSA-STAR certification | CSA-STAR self-assessment
 ISO 20000-1:2011 | ISO 22301 | ISO 27001 | ISO 27017 | ISO 27018 | ISO 27701 | ISO 9001
 PCI DSS | SOC | WCAG | CDSA | PCI DSS | Shared Assessments | TruSight



Azure regions

Azure has more global regions than any other cloud provider—offering the scale needed to bring applications closer to users around the world, preserving data residency, and offering comprehensive compliance and resiliency options for customers.

over **60** regions worldwide | **140** available in 140 countries

- Available region
- Announced region
- ◆ Availability zones

Growth Mindset

“We need to be always learning and insatiably curious. We need to be willing to lean into uncertainty, take risks and move quickly when we make mistakes, recognizing failure happens along the way to mastery.”

- Satya Nadella



Thanks

