



December 2018

AUTOMATING ENTERPRISE GOVERNANCE WITH INDUSTRIAL CI/CD PIPELINES

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Public

AGENDA

1. How we deliver and govern today
2. Kubernetes and the cloud as the catalyst for organisational agility and scale
3. Applying Governance-as-code using Grafeas/Kritis
4. ***** PRAY TO THE DEMO GOD... A DEMO! *****



<https://hippy.io>



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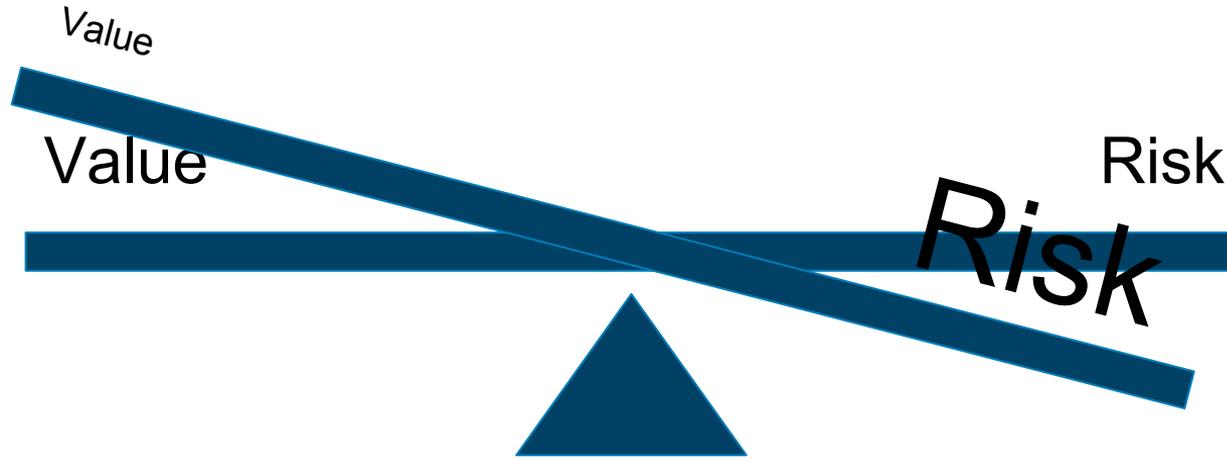


**WE'RE
HIRING!**

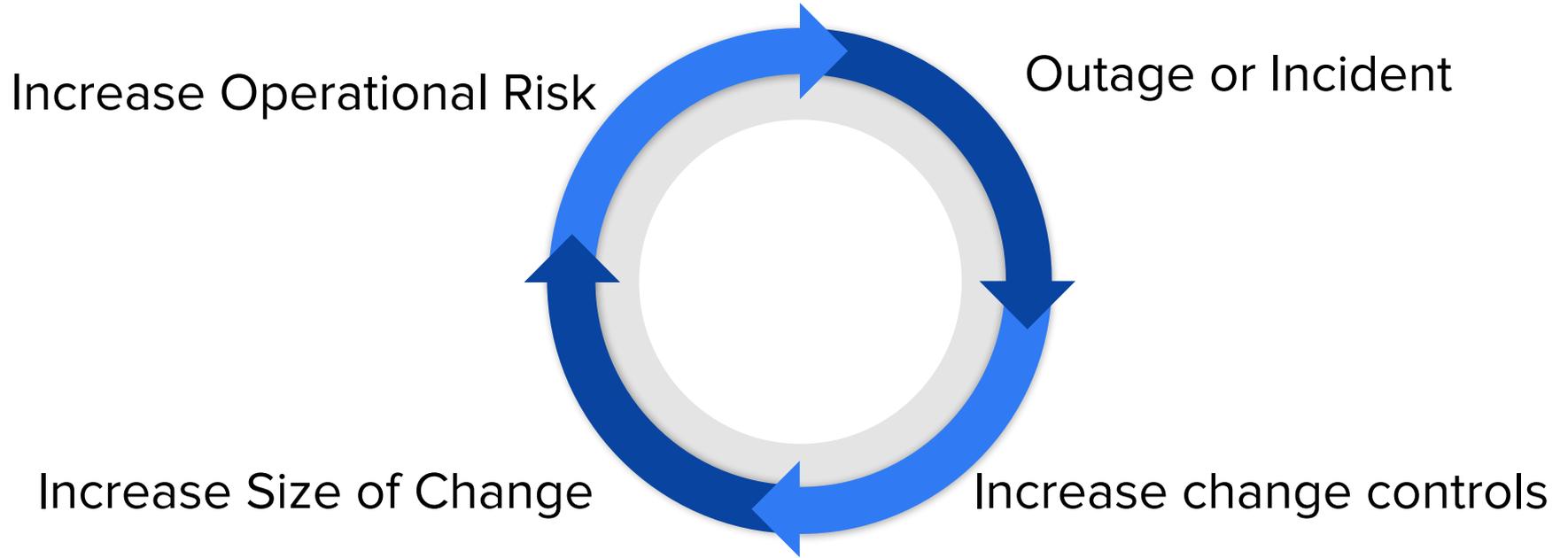
From how we deliver software **today...**



What is Governance?



Why Governance?





Cliche ridden
Business buzzwords that are begging to be banned
Leadership Lucy Kellaway p19

Amazon effect
Exclusive | US juggernaut to wipe 16pc off retail earnings
Companies p16



On the record
Revealing tapes in Anthony Bell break-up
News p3



THE AUSTRALIAN

FINANCIAL REVIEW



www.afr.com | Tuesday 2 May 2017 \$4 INCL UDF'S GST

► Elliott takes the bank agile ► Hierarchy disappears in favour of scrum coaches, squads and tribes

ANZ blows up bureaucracy

Exclusive

Joanne Gray
BOSS editor

ANZ chief executive Shayne Elliott will take an axe to the bank's hierarchies and bureaucracy and shift the workforce into "agile" teams mimicking the way businesses such as Google, Facebook and Spotify operate, to launch new products faster as the bank grapples with an era of low credit growth.

Senior and middle-management jobs are at risk in the transition, which will start with the Australian division, then spread to New Zealand and the Institutional division. The bank will restructure into teams of about 10, known as "squads" that group into "tribes", replacing managers with coaches and product owners, who will be picked based on their adaptability and capacity to work collaboratively in multidisciplinary teams, rather than their work experience.

Agile is standard operating procedure in technology businesses and is characterised by daily stand-up meetings and six-week project delivery "sprints". The change is aimed at gaining competitive advantage in its payments, mortgage and business banking. Bank branches won't be included in the shift.

"It radically changes the way you assign work, fund work, manage things, what you measure, what you reward and what kind of capabilities people need in order to succeed," Mr Elliott told *The Australian Financial Review*.

Change agents



Shayne Elliott said the senior team knew the traditional siloed approach that relies on handing things one to another wasn't going to work for the bank in the digital age.

Leadership p12

"It's much more collaborative. It's more of a generalist world than a specialist world.

"Hierarchies in a sense disappear. At the highest level, you still have divisions, still have an Australia business and an NZ business, but very quickly the way of work changes. So instead of having departments that are heavily specialised and functions and heads of those things, you organise yourself around customer outcomes. That might be about being the best bank for people who buy and own a home. So what are the skills we need there? So the hierarchy disappears very quickly. That has big implications for how we pay people, how we reward them."

ANZ will offer computer coding training to upskill some employees and will ramp up its efforts to hire software engineers. Jobs will be lost and traditional career paths disrupted in senior and middle-managerial ranks where being a "boss" is no longer relevant.

"If you go back to where your competitive advantage is, coding has to be a core skill in a bank," Mr Elliott said. **Continued p12**



Shayne Elliott and head of agile transformation Katherine Bray. PHOTO: PETER BRAGG

Students get caning in uni budget cuts

University students will be squeezed with a 7.5 per cent tuition fee hike and earlier repayment of government-provided loans, while universities will be hit with a 2.5 per cent efficiency dividend under higher education funding changes announced last night.

Education Minister Simon Birmingham is gearing up for a propaganda war targeting universities' healthy surpluses, lavish new buildings and vice-chancellors' million-dollar salaries to win public support for the \$2.8 billion in budget funding cuts. ► **News p4**

Officeworks valued at up to \$1.5 billion

The days of double-digit growth for Officeworks may be behind it, but the office supplies retailer has been valued at as much as \$1.52 billion. The three sponsor brokers – Macquarie, UBS and JP Morgan – sent detailed pre-IPO marketing reports to fund managers yesterday, as first reported by Street Talk. Macquarie valued the retailer at between \$1.33 billion to \$1.52 billion.

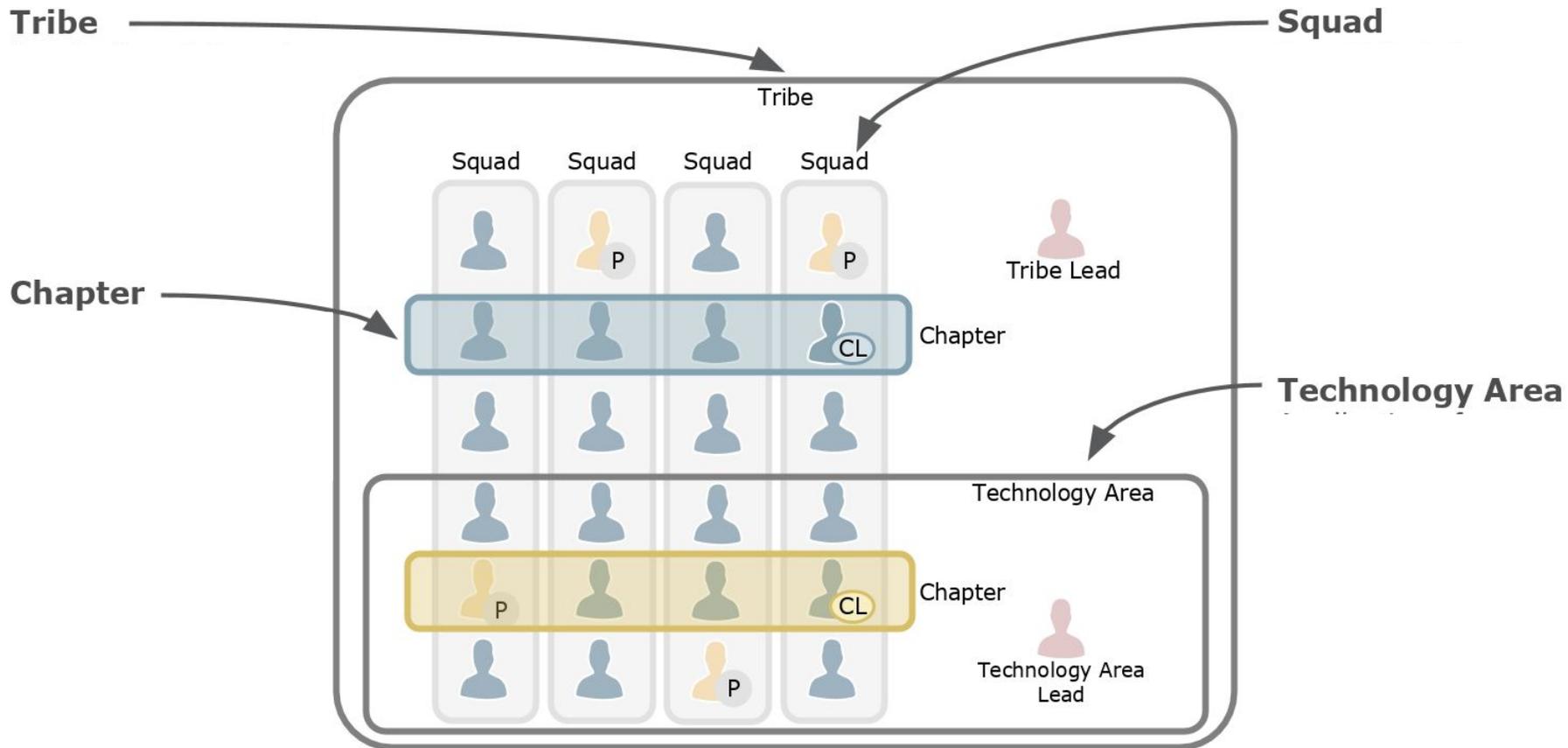
► **Street Talk report p14**
► **Boart block; Allegro digs deep p14**
► **Chanticeer** Value questions **back page**

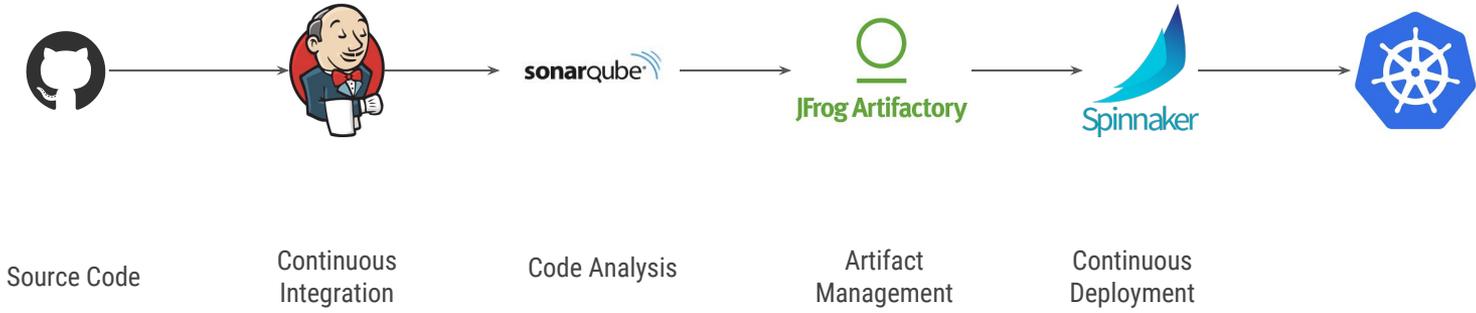
ASX climbs strongly after US Congress deal

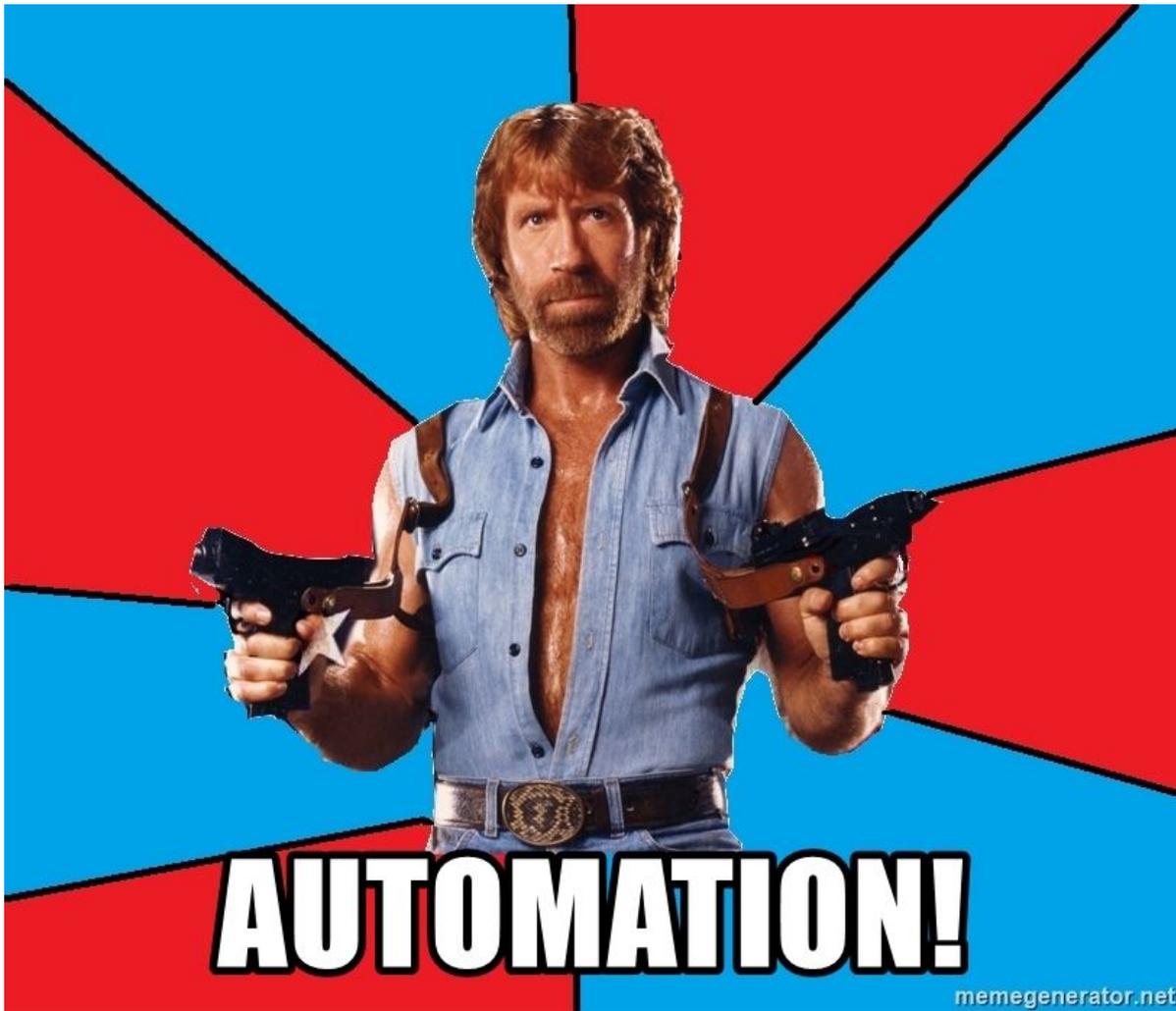
The local sharemarket rose strongly after a deal in the US Congress to avert a government shutdown that sent Wall Street futures solidly higher.

The benchmark S&P/ASX 200 closed up 32 points, or 0.6 per cent, to 5956.5, with the big four banks rising. Outside the financial sector, yield stocks and utilities performed well as Qantas rose 2.6 per cent to its highest trading level since March 2008 while Transurban, Sydney Airport and Telstra all gained ground.

► **Comminc 29** **World 9**









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CI/CD Pipelines





...to the way
we will deliver
software **tomorrow.**



governance process



developer



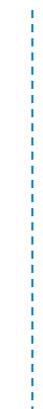
users



Unit testing completed



No known vulnerabilities reported



Staging deployment completed



● Control Point

✓ Evidence

Grafeas



Container Analysis

Kritis



Binary Authorisation

NOTES



OCCURRENCES



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}
```

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```

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```

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ATTESTOR



verified by



ATTESTATION
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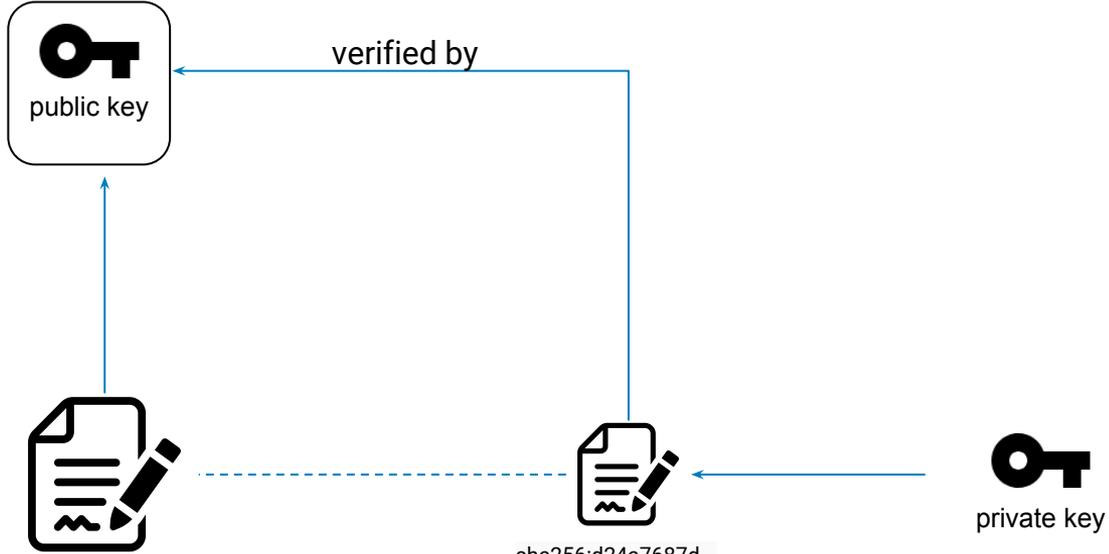


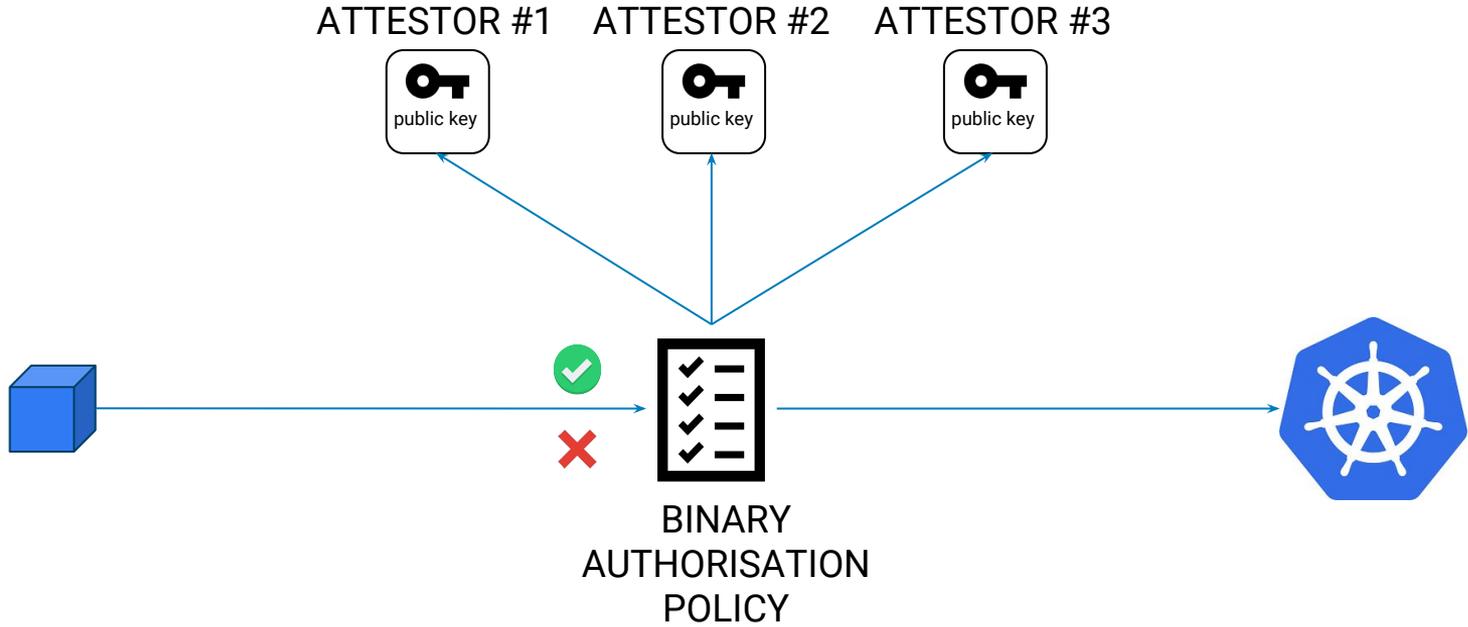
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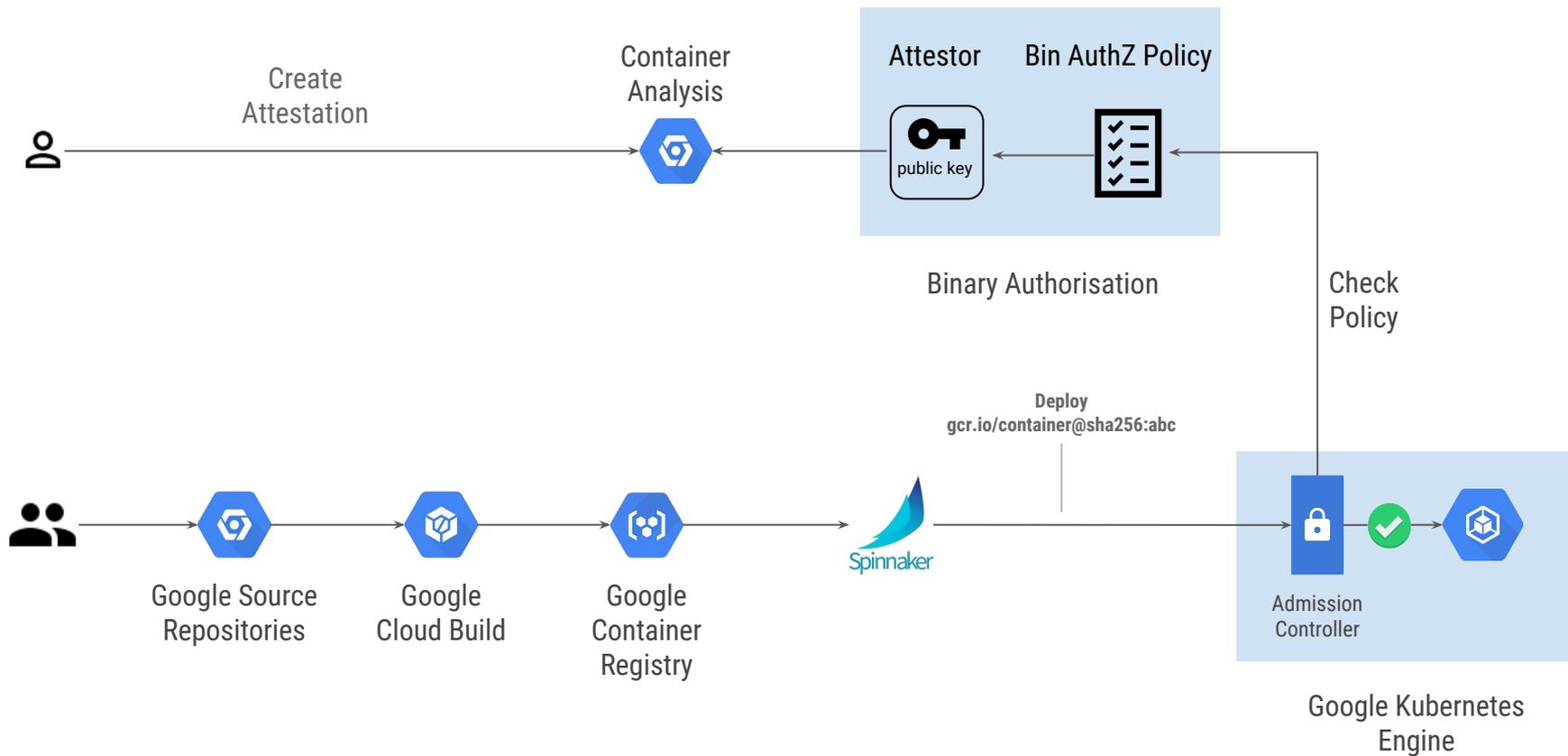
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private key









Conclusion

1. Inefficient governance process can erode speed and scale that managed Kubernetes provides
2. Make it easy to do the right thing. Industrialise capability through automation.
3. For something like banks or heavily regulated industries, Grafeas/Kritis present an elegant and effective way of codifying your governance process.

Standing on the Shoulders of Giants...

- <https://github.com/Shopify/voucher>
- <https://github.com/GoogleCloudPlatform/gke-binary-auth-demo>
- <https://github.com/kelseyhightower/grafeas-tutorial>
- <https://github.com/grafeas/grafeas>
- <https://github.com/grafeas/kritis>
- <https://cloud.withgoogle.com/next18/sf/sessions/session/156125>
-

QUESTIONS?

THANK YOU

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