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Potenciando la Innovación en la Nube con "Platform Engineering"



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Cloud Platform, the new *must have*

What are the Gartner Top 10 Strategic Technology Trends for 2023?

1. **Digital Immune System**
2. **Applied Observability**
3. **AI Trust, Risk and Security Management (AI TRISM)**
4. **Industry Cloud Platforms**
5. **Platform Engineering**

→ <https://www.gartner.com/en/articles/what-is-platform-engineering>

Develop a platform team to cover all functional layers.

After more than a decade and a half of cloud growth, organizations are still facing a talent shortage for all cloud-related skills. Differences in cloud technologies lead to further complexity in developing expertise and team structures in multicloud environments. Organizations are exploring multiple organic ways to address this issue, particularly by building cloud platform teams that operationalize and execute on security, governance and controls, policies and frameworks, internal trainings, cloud certifications, and more across the organization. They are finding that culture is equally important as training, and efforts to develop skills will not be as effective without a supportive learning culture.

→ <https://hashi.co/3zuHYg5>

Platform engineering is an emerging technology approach that can accelerate the delivery of applications and the pace at which they produce business value.

Platform engineering improves developer experience and productivity by providing self-service capabilities with automated infrastructure operations. Platform engineering is trending because of its promise to optimize the developer experience and accelerate product teams' delivery of customer value.

"Platform engineering emerged in response to the increasing complexity of modern software architectures. Today, non-expert end users are often asked to operate an assembly of complicated arcane services," says Paul Delory, VP Analyst at Gartner. "To help end users, and reduce friction for the valuable work they do, forward-thinking companies have begun to build operating platforms that sit between the end user and the backing services on which they rely."

Download Now: [Your Detailed Guide to Gartner Top 10 Strategic Technology Trends 2023](#)

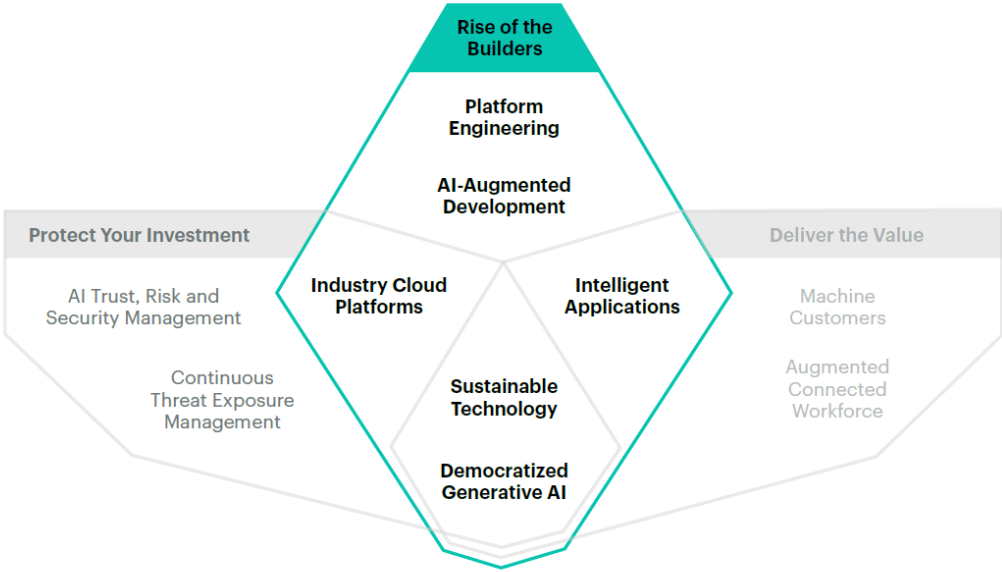
Gartner expects that by 2026, 80% of software engineering organizations will establish platform teams as internal providers of reusable services, components and tools for application delivery. Platform engineering will ultimately solve the central problem of cooperation between software developers and operators.

Cloud Platform, the new *must have*

Gartner Top Strategic Technology Trends 2024

Rise of the builders

Empower your people and developers to build solutions using the right technology for each function.



What to do

- ✓ Use technology **benefitting YOU** (and your specialists).
- ✓ Develop a roadmap for allowing **nonspecialists to create**, as well.
- ✓ Work closely with business stakeholders to **determine scope and capability**.

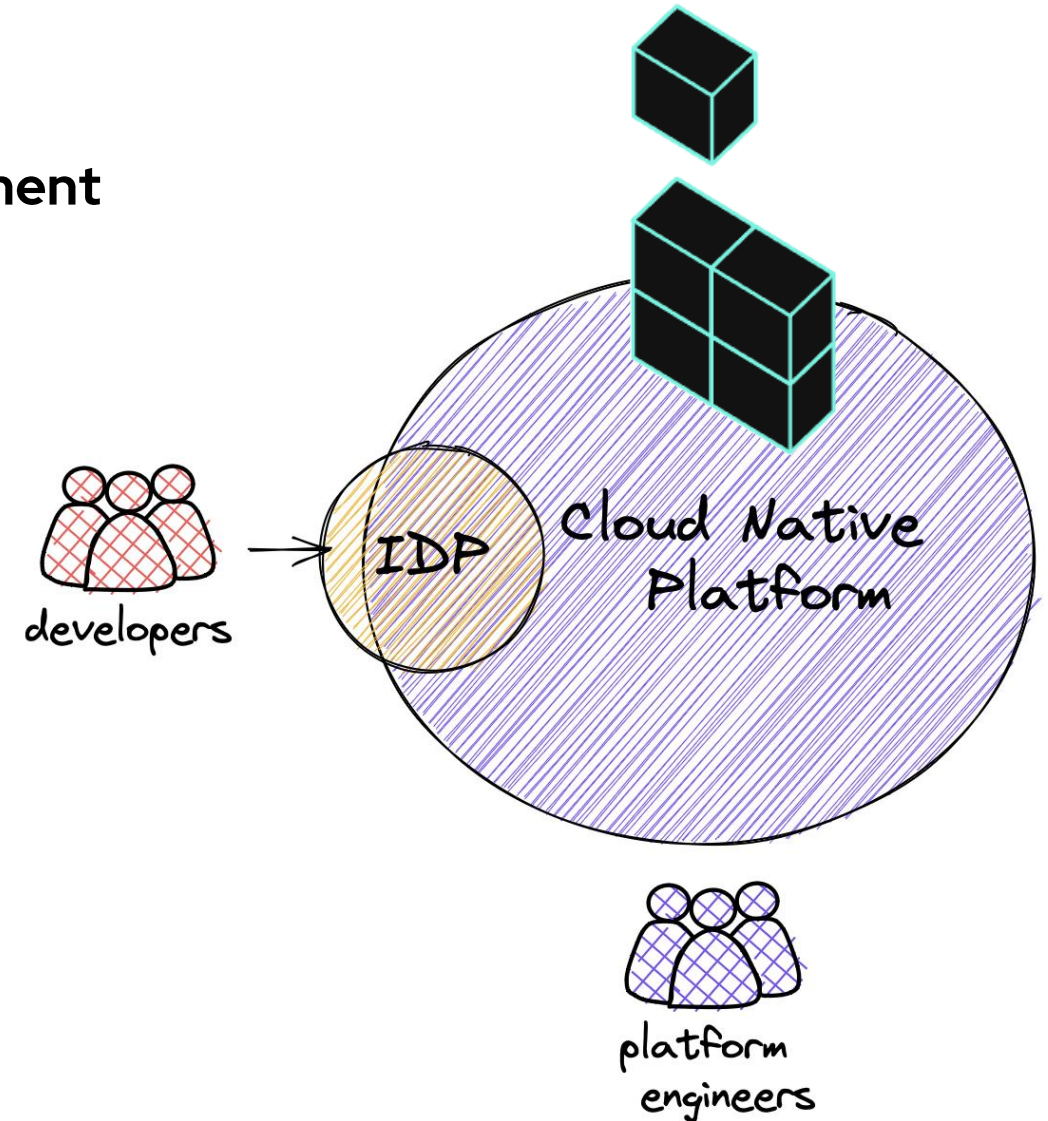
In Action: Platform Engineering

BP has enabled its employees to create their own solutions with limited involvement from IT. BP developed a broad portfolio of digital platforms to match its users' capabilities and needs. It automated security testing, component scanning and licensing, and release automation.


Cloud Platform Benefits

Platforms accelerate cloud native apps development

- **Standardized framework**
- **Reduction of cognitive load** from non-core activities (Security, Observability, DevOps, Infrastructure, ...).
- **Improvement of time-to-market** by implementing a self-service model. Reduction of time & development costs.
- **Visibility** over the inventory of software.
- **Focus on the developer experience.** Philosophy of 'convince, not conquer'.
- Maximization of **automation & reuse.**



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Backstage


```
9 lines (9 sloc) 182 Bytes
1 apiVersion: backstage.io/v1alpha1
2 kind: Component
3 metadata:
4   name: podcast-api
5   description: Podcast API
6 spec:
7   type: service
8   lifecycle: experimental
9   owner: tools@example
```

NAME	OWNER	LIFECYCLE	DESCRIPTION	ACTIONS
podcast-api	tools@example.com	production	Podcast API	🔍 ⚙️ 🗑️
podcast-api	tools@example.com	production	Podcast API	🔍 ⚙️ 🗑️
podcast-api	tools@example.com	production	Podcast API	🔍 ⚙️ 🗑️

SERVICE DEFINITIONS

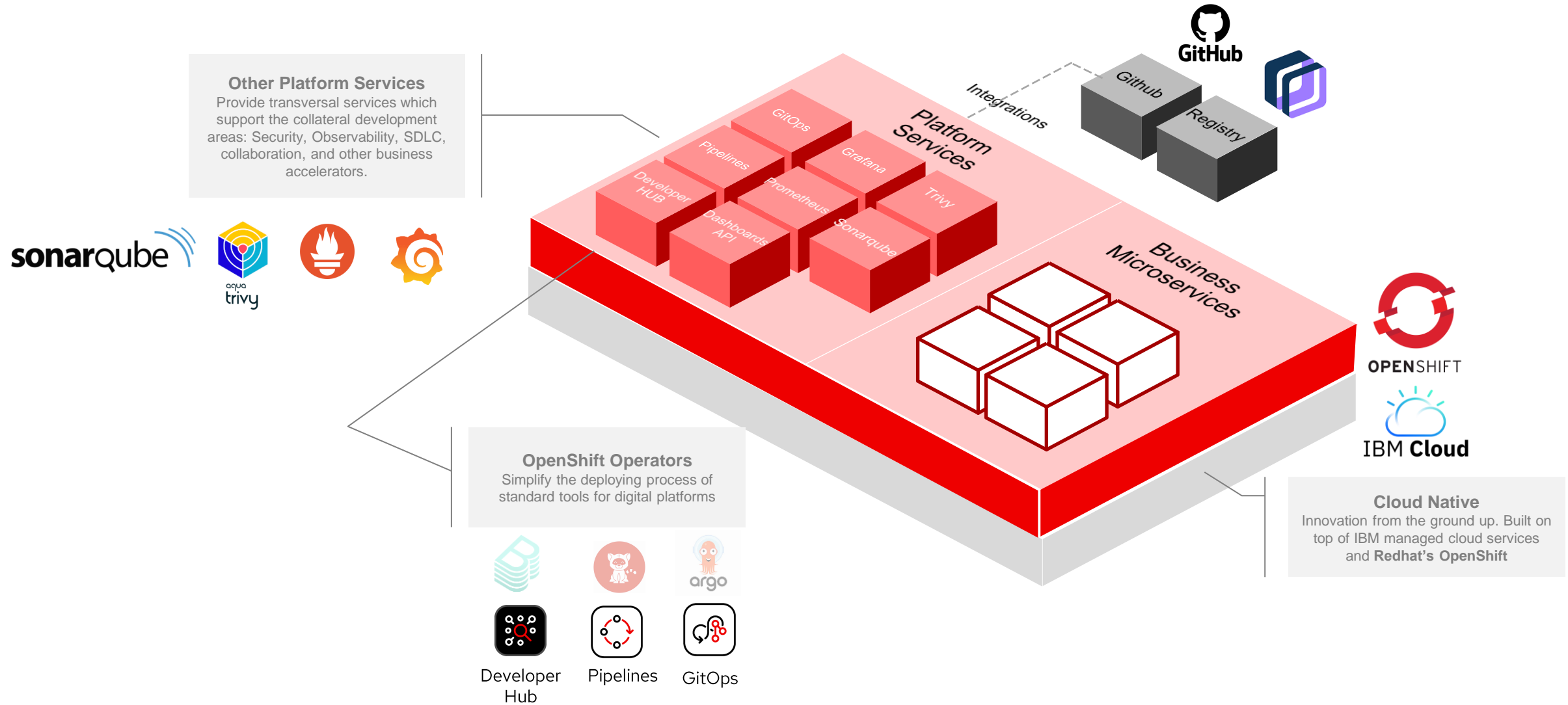
BACKSTAGE SERVICE CATALOG

INTEGRATED TOOLING VIA PLUGINS

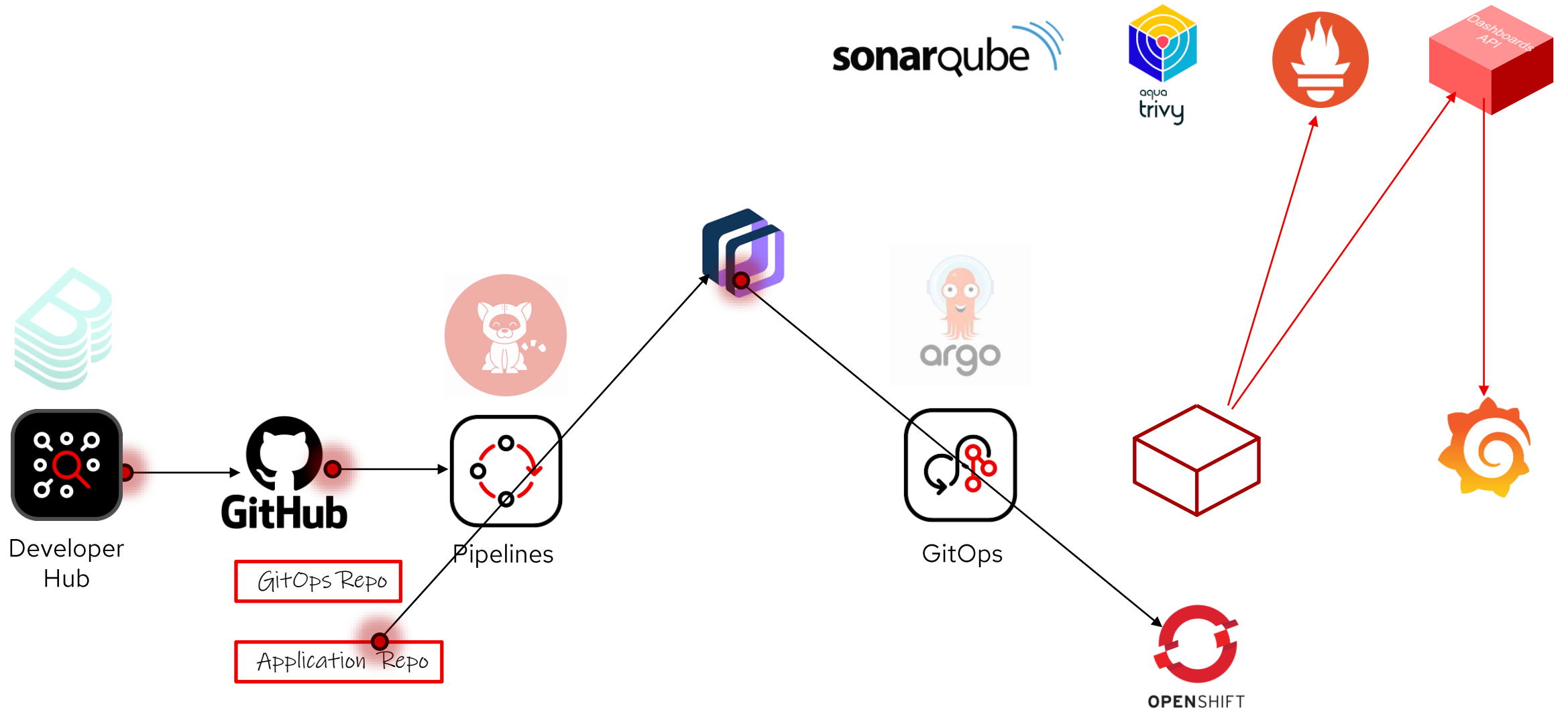


Backstage is an open source framework for building developer portals.

Demo Environment



Integration Flow



DXC's value proposition



- **We've experience.** More than two years developing the practice.
- **We've created an specific organization.** With folks of three different service lines: Cloud, Apps & Security.
- **We've a proven framework called KUBIX.** Which we're already implemented into production on several clients.
- **We've recognized by the market as best Cloud integrator** for Cloud Capabilities in the ERANEOS report last 4 consecutive years.

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