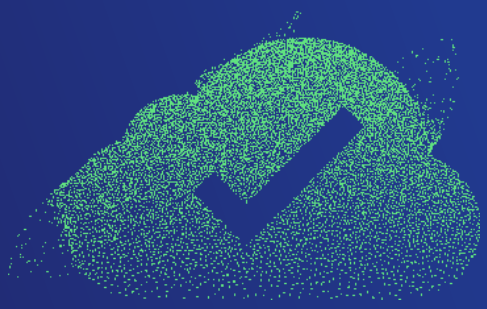
chronosphere

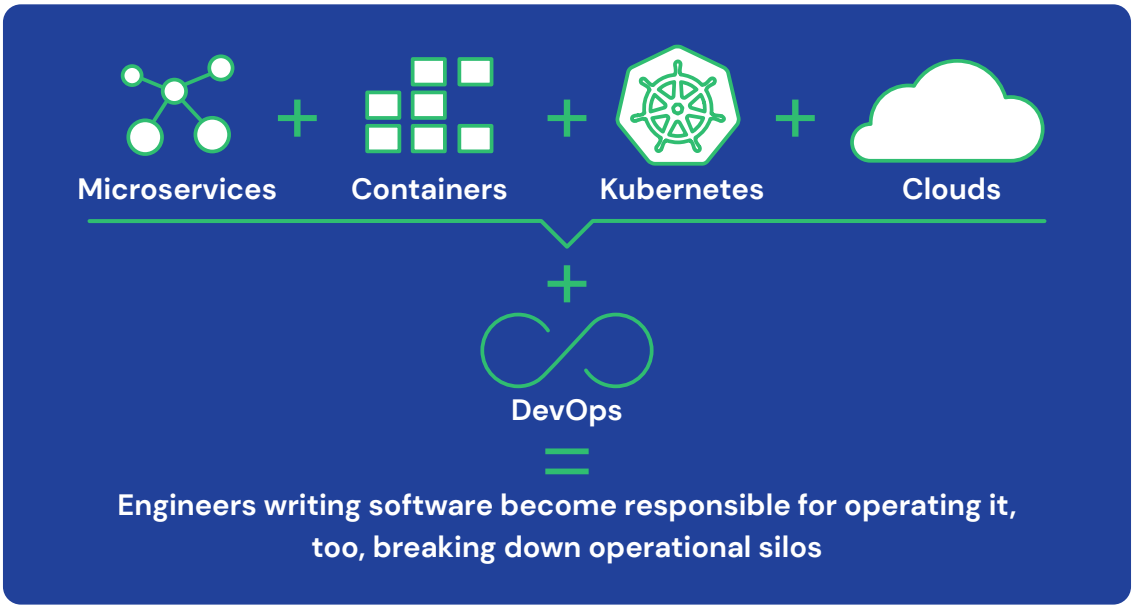
Thinking about going cloud native? Here's a primer



A reliable cloud native environment is essential to compete in a world where nimble companies with modern environments are luring away customers with new features, fast transactions, and always-on service. If you're feeling the heat, here are four things your organization needs to know about getting started with cloud native.

1. What is cloud native?

Ideal for building and deploying modern applications, cloud native architecture incorporates modern technologies and organizational change:



Traditional and modern:

Some key differences between application methodologies

Monoliths	Cloud native
One development team	Independent teams
Code is tightly coupled	Code is loosely coupled with explicitly described dependencies
High costs to maintain and update	Central orchestration of services improve resource use and reduce maintenance costs
Routine, scheduled deployment	Iterative, rapid development
Difficult to scale individual components	Ability to scale up and down dynamically and on demand
Inflexible; difficult to port to new architectures and clouds	Complete flexibility in where code runs
Module errors can lead to whole system failure	Distributed components boost reliability

90%

of companies will be cloud native by 2027

(Gartner. "The CTO's Guide to Containers and Kubernetes," May 2022)

2. How does my organization benefit?

Applications built using a cloud native architecture offer:

- **Faster time to market** – Component-based development across teams increases engineering independence and productivity as well as code reuse.
- **Increased responsiveness** – Teams that rapidly create and frequently update apps better cater to stakeholders and customers while meeting ever-changing business opportunities.
- **Efficiency** – Smaller development teams working in parallel on a larger application spend less time on management tasks and more time on innovation.
- **Scalability and agility** – Teams can more easily scale different functional areas of an application as needed, for example, to increase seasonal capacity.
- **Reliability and resiliency** – Independent code is less vulnerable to large-scale failure.

69%

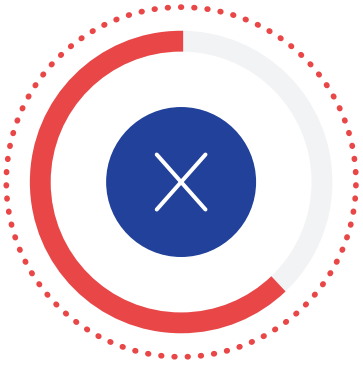
of companies are concerned with the rate of their observability data growth

(ESG. "Distributed Cloud Series: Observability and Demystifying AIOps," April 2023.)

61%

of organizations said reducing observability costs is a very important or extremely important initiative

(Chronosphere. "Enterprise Observability Survey," 2023)



63%

of respondents expressed concern about lack of engineering skills before digital transformation or application modernization

(Chronosphere. "Enterprise Observability Survey," 2023)

3. Can I use my traditional monitoring tools with cloud native?

Good news

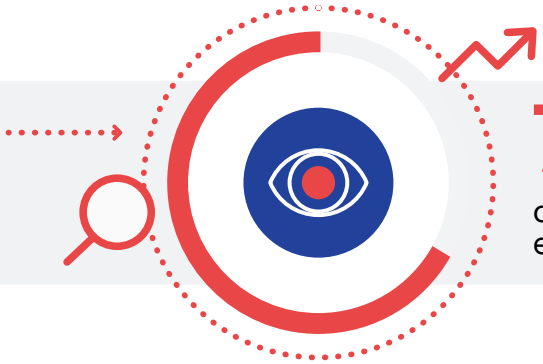
Traditional APM and infrastructure monitoring tools are still good for cloud native workloads that only need access to simple performance and availability data.

Bad news

Traditional APM and infrastructure monitoring tools cannot provide the scalability, reliability, and shared data insights needed to rapidly deliver cloud native applications at scale. Worse – they are also very expensive thanks to complex pricing and unpredictable costs.

4. Why cloud native observability?

- Control costs
- Quickly detect and remediate issues across the environment
- Keep your applications working as expected
- Delight your customers
- Protect your revenue



71%

of engineers say their business can't innovate effectively without good observability

(ESG. "2023 Cloud Native Observability Report: Overcoming Cloud Native Complexity," 2023)

With modern, purpose-built for cloud native observability, your organization can:

- Control data and costs
- Avoid vendor lock-in with open source compatibility
- Maintain availability and reliability
- Predict and resolve customer-facing problems faster
- Promote strong developer productivity from the jump
- Have always-available customer support experts at no additional cost

75%

Improving the reliability of your observability tool has been shown to reduce severe incidents by 75% annually.

(Forrester Research. "Total Economic Impact ™ of Chronosphere study, 2022.)

Chronosphere observability controls costs and boosts cloud native success

Chronosphere delivers an observability platform made for cloud native environments that solves top challenges with unique capabilities such as: control of cost and data growth, reliability and performance at scale, outcome-driven workflows, open source compatibility, world-class support and more.

Quantified benefits of Chronosphere customers. Over a three-year period customers

Realize **$4.9 million**
in cost savings

165% return
on investment

Less than 6 months
average payback period

Download the Getting started with cloud native ebook to learn more

Download Now

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