

Evolving with SRE – The Game Plan



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The Outline

Get the basics aligned

- Why do we need to evolve?

Visualizing the transformation

- How will the dots connect?

- Refining the Metrices

The Game Plan

Mapping Capabilities Identifying the Velocity • Scoping the lens of Release Roadmap

The Road Ahead

- Have we structurally aligned the goal

Aligning the Basics





Common Goal – Create a highly scalable & reliable ecosystem of delivering & maintaining software

Scaling up is chaotic, it needs standardization, forming a process

Site Reliability Engineering

Evolve by measurement Reduce toil, improve efficiency • Failure is good (if it is detected &

Stabilizes Delivery

Visualizing the Need



You can put all your money to build the best app in the world, but if it is not up – it's all in vain!

- What all do we need?
- Why do we need something new?
- How will the dots connect?

The Game Plan



- Refining the Metrices
- Mapping Capabilities
- Identifying the Velocity
- Scoping the lens of Release Roadmap

The Road Ahead



Time & effort of SREs should be channelized into capability development such as enhancing observability, predictive healing, automation etc.

> (Tech Stack) > (Complexity Cost)

While these technologies solve some problems, they create an additional complexity cost. The developer would need to understand all those technologies and services in addition to the core technologies (e.g., languages) the application uses



"SLIs drive SLOs which inform SLAs"

Define SLA with Error Budgets with data backed evidences, Have clear numerical indicators. **Note** - If you're trying to increase your SLO's way too much, you end to delaying your release to features

- Have we structurally aligned the goal with the journey?
- Are we really disruptors or evolvers?
- What lies ahead...



Start Incentivizing. Both the SREs and developers have a strong incentive to work together to minimize the number of errors. Create a self-policing system where developers get rewarded with more teammates for writing better performing code

Food for Thought

"Do not emulate Google, They have a completely different structural case of having SRE in the first place. You will need to build reliability engineering constructs to refine your needs!"





For all of us, the reliability engineers – a key question should always be clear "We train & prepare ourselves for years just to be ready to fight something which has the power to lead to a chaos in minutes". The key lies in, "how much ready will we ever be!"

Thank You