



Introduction to Chaos Engineering



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Hey everyone!

- ISC 2007
- Former architect @ Atlassian, Software Engineer @ Azure.
- Co-founder of Okteto.
- @rberrelleza in most places.



Hey everyone!

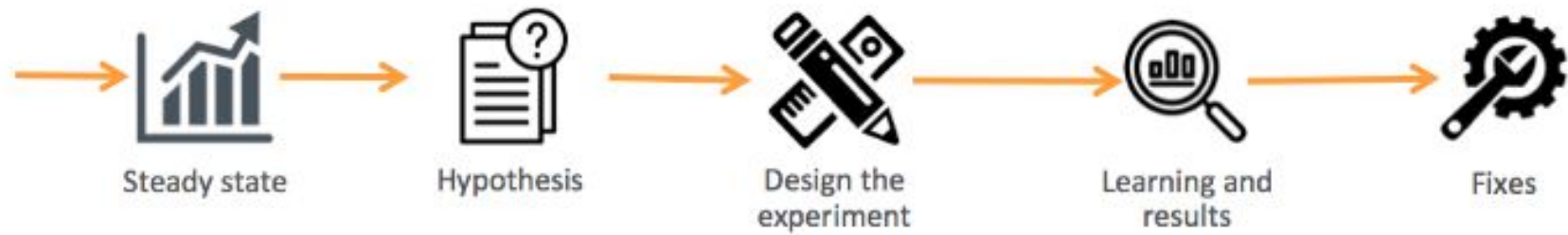
- What is Chaos Engineering?
- Demo
- Learn More & Contribute

**Chaos Engineering is the
discipline of experimenting on a
system in order to build
confidence in the system's
capability to withstand turbulent
conditions in production**



**Sometimes something will fail.
Even with the best systems.**

Inject failures on purpose before they happen unexpectedly. Find the weaknesses and fix them.



Demo time!

Summary of Experiments

- Upstream service not available
- Upstream service times out
- Bad Certificate
- Delete Kubernetes pod

Conclusions

Chaos Engineering

- Be pragmatic about the scope
- Start with the easy scenarios
- Automate
- Test often

Testing is all about defense in depth, every type of test has its place and value.

**If you don't test, your customers
will test it for you 🤔.**

Learn More / Contribute!

- Chaos Toolkit

<https://github.com/chaostoolkit/chaostoolkit>

- Litmus Chaos

<https://github.com/litmuschaos/litmus>

- Chaos Monkey

<https://github.com/netflix/chaosmonkey>



Thank you!



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