Everything-as-Code 10.07.22, 14:06



IMPROVE THIS PRACTICE!

verything-as-Code

everything as code - configuration, infrastructure pipelines

nat Is Everything-as-Code?

thing as Code is the practice of treating all parts of the system as code. neans, storing configuration along with Source Code in a repository such or svn. Storing the configuration from bottom to top (communication nes, bare metal servers, operating systems, build configurations, ation properties and deployment configurations...) as code means they acked and can be recreated at the click of a button.

thing as Code includes system design, also stored as code. In old world IT, ructure required specialised skills and physical hardware and cables to be ed. Systems were precious or were not touched / updated often as the e who created them no longer work for the company. The dawn of cloud uting and cloud native applications has meant it is cheap and easy to spin

Everything-as-Code 10.07.22, 14:06

tual infrastructure. By storing the configuration of virtual environments as they can be life-cycled and recreated whenever needed.

ny Do Everything-as-Code?

raceability - storing your config in git implies controls are in place to track who / /hy a config has changed. Changes can be applied and reverted and are tracked to a ngle user who made the change.

epeatable - moving from one cloud provider to another should be simple in nodern application development. Picking a deployment target should be like hopping around for the best price that week. By storing all things as code, systems an be re-created in moments in various providers.

ested - Infra and code can be rolled out, validated and promoted into production nvironments with confidence and assurance it will behave as expected.

'hoenix server - No more fear of a servers' configuration drifting. If a server needs to e patched or randomly dies, it's OK. Just create it again from the stored onfiguration.

hared understanding - When a cross-functional team is using 'Everything as Code' describe all the parts of the Product they are developing together, they contribute increase the shared understanding between Developers and Operations, they peak same language to describe the state of this Product and they use the same ameworks to accomplish their goals.

w to do Everything-as-Code?

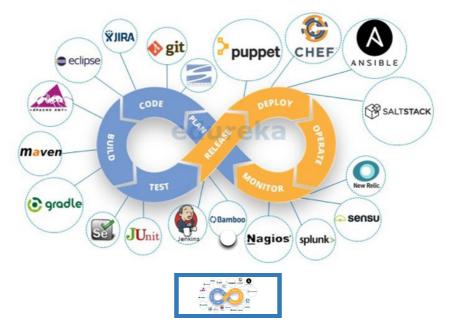
1artin Fowler on Infra as Code.

erraform is an infrastructure as code platform that can provision to AWS, Azure, oogle Cloud, other clouds, or an on-premises datacenter. This infrastructure could include servers, databases, load balancers, caches, firewall settings, SSL certificates, ueues, monitoring, subnet configurations, routing rules, and much more.

Insible is an infrastructure automation tool created by Red Hat, the huge enterprise pen source technology provider.

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Everything-as-Code 10.07.22, 14:06



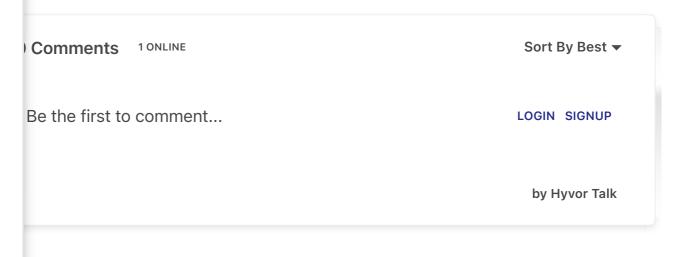
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cout these great links which can help you dive a little deeper into running 'erything-as-Code practice with your team, customers or stakeholders.

1artin Fowler

nsible

cuss with the Community



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