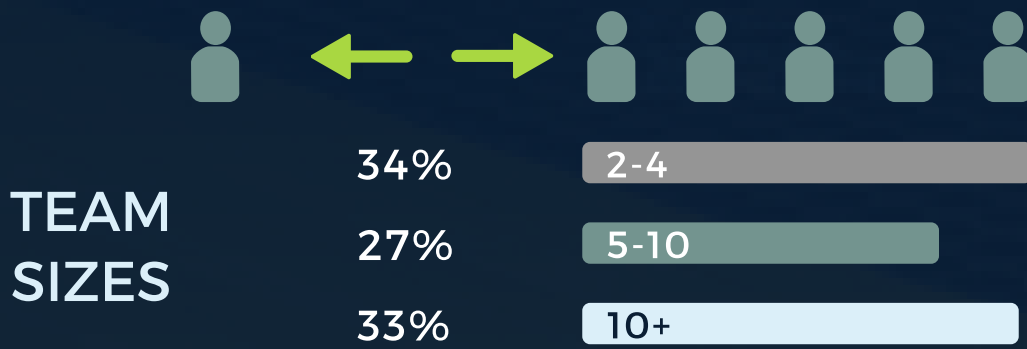


STATE OF INFRASTRUCTURE DRIFT

WHAT WE LEARNED ASKING 200 DEVOPS TEAMS ABOUT INFRASTRUCTURE DRIFT



DEFINITION

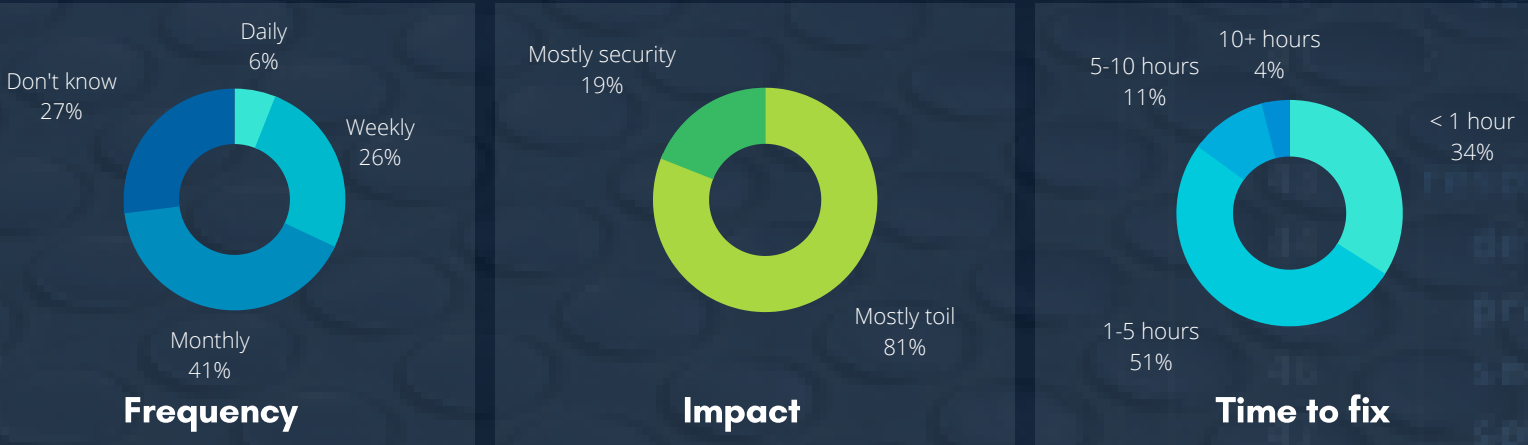
Infrastructure drift is when there is an unwanted delta between the IaC code base and the actual state of the infrastructure.

03 | MAIN CAUSES OF INFRASTRUCTURE DRIFT

MANUAL CHANGES	UNPROPAGATED ACTIONS	APPLICATION & DEPLOYMENT INDUCED DRIFT
96% teams experience drift from manual changes in their cloud consoles or direct updates to infrastructure resources through an application API.	44% experience drift when changes applied to an environment are not propagated to other environments.	50% of teams record drifts due to uncontrolled changes, be it on the applications' side, through the deployment stack and/or on the cloud providers' side.

It took a while to find out that Azure's API and Terraform provider had been updated, and a new "identity" parameter was now required to grant access.

IMPACTS & CONSEQUENCES OF DRIFT



EXISTING SOLUTIONS & LIMITATIONS

	Full GitOps workflow	Terraform plan in cron job	Restricted access to env.
Prevents drift from manual changes	✓	✗	⦿
Prevents API-driven drift	✗	✗	✗
Makes drift visible	✗	⦿	✗



driftctl : open-source CLI that tracks, analyzes, prioritizes, and warns of infrastructure drift

@getdriftctl