



CHEF

# Chef Survey 2017: Community Metrics



We received more than 1500 survey responses from global IT practitioners and decision-makers on the pursuit of the Continuous Enterprise and trends in their productivity, workforce roles, and technology adoption. Here's what we found about the challenges most directly impacting the Chef community.

## The changing role of IT organizations



DevOps practices are driving IT organizations into reshaping the way their teams operate

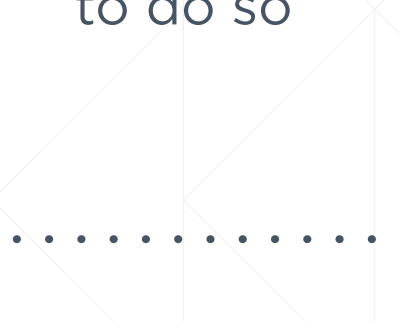
Respondents by team:



Cross-functional teams are:



17% more likely than application teams to release changes to production on an on-demand basis



23% more likely than infrastructure teams to do so



24% more likely than security teams to do so

Cross-functional teams are most likely to reduce the time it takes from initial software commit to running that software commit

## THE USE OF AUTOMATION IS ON THE RISE, WITH MORE ESTABLISHED TECHNOLOGIES SEEING WIDER ADOPTION

Estate coverage:



61% Infrastructure automation

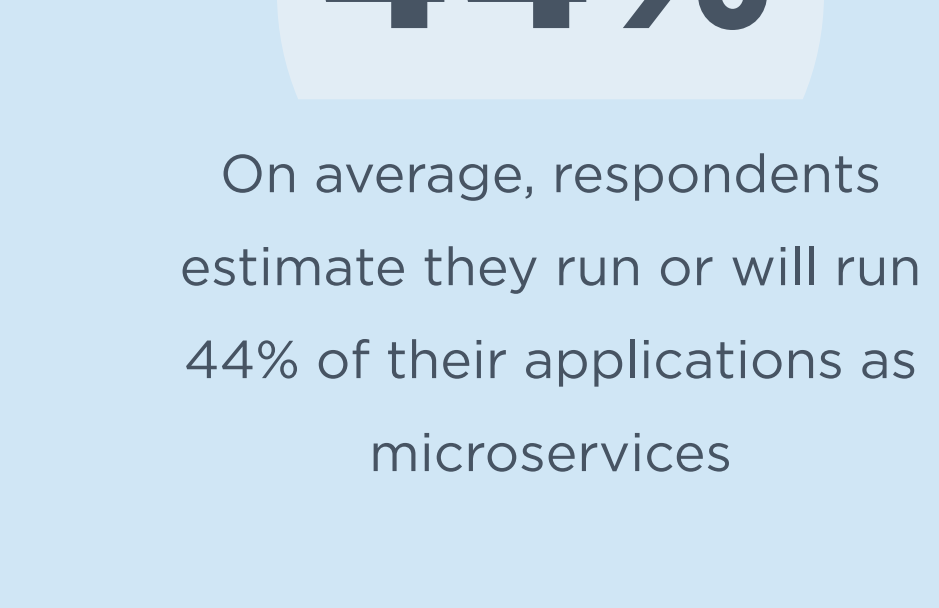


30% Compliance automation



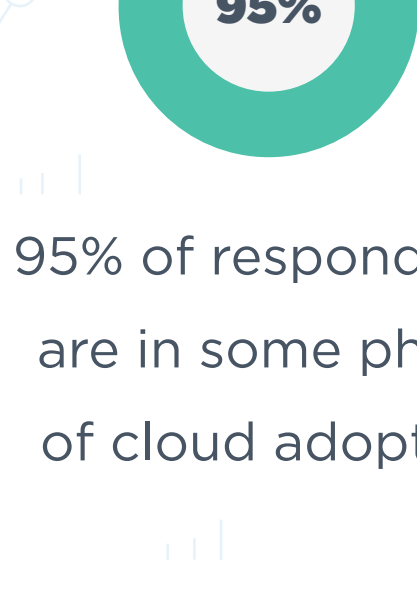
27% Container management solutions

## Hybrid is the new operating model

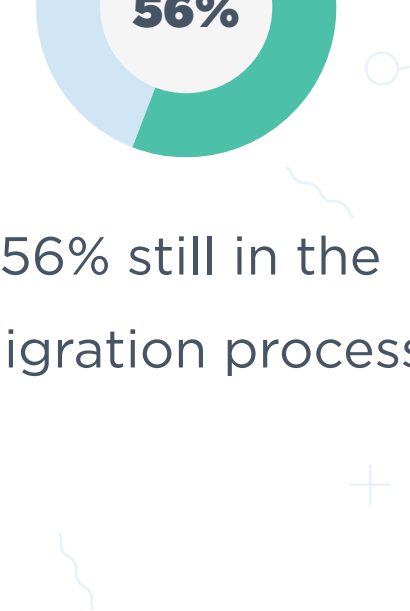


The majority of users will be living in some form of hybrid operating model for the foreseeable future

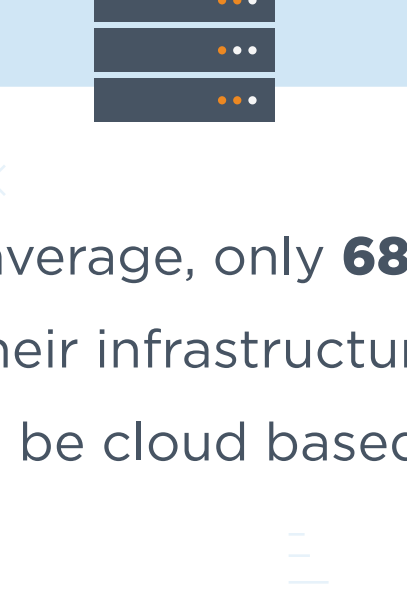
Containers and Microservices:



67% of respondents are in some phase of container adoption



On average, respondents estimate they run or will run 44% of their applications as microservices



67% of respondents have re-architected monolithic applications into microservices or plan to do so

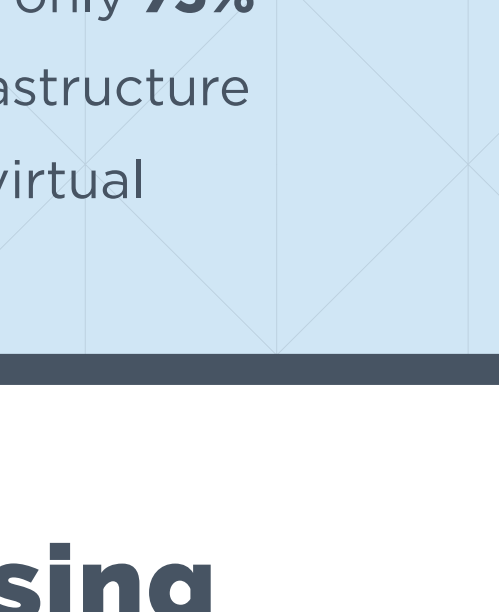
Cloud adoption:



95% of respondents are in some phase of cloud adoption

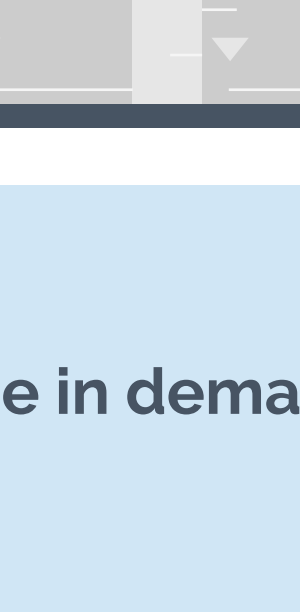


56% still in the migration process

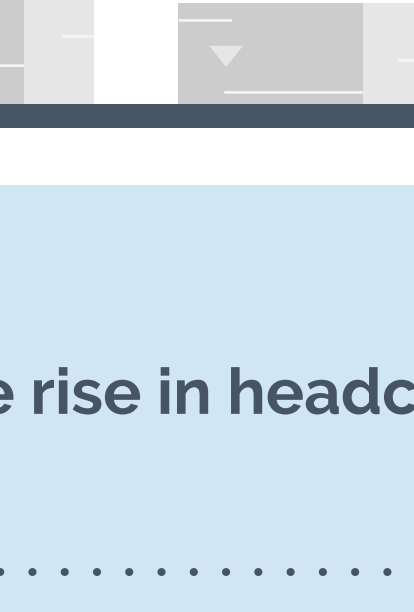


On average, only 68% of their infrastructure will be cloud based

Physical machines to virtual:



39% of respondents are still managing a migration to virtual

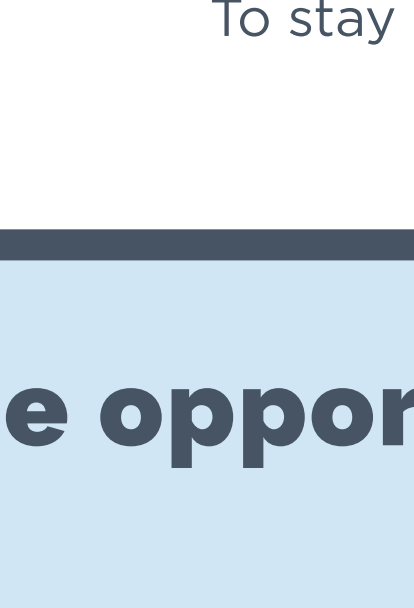


On average, only 75% of their infrastructure will be virtual

## Workloads are increasing faster than headcount



The rise in demands is outpacing the rise in headcount



63% of respondents see their workloads increasing



Only 44% expect to see an increase in the size of their development teams



Only 33% expect to see an increase in the size of their operations teams

More than a third expect to see the size of their teams remaining stable or decreasing

On average, unplanned work accounts for about 20% of the work week—an approximate industry standard for decades, but many of today's reasons are avoidable



42% spent dealing with deployment failures



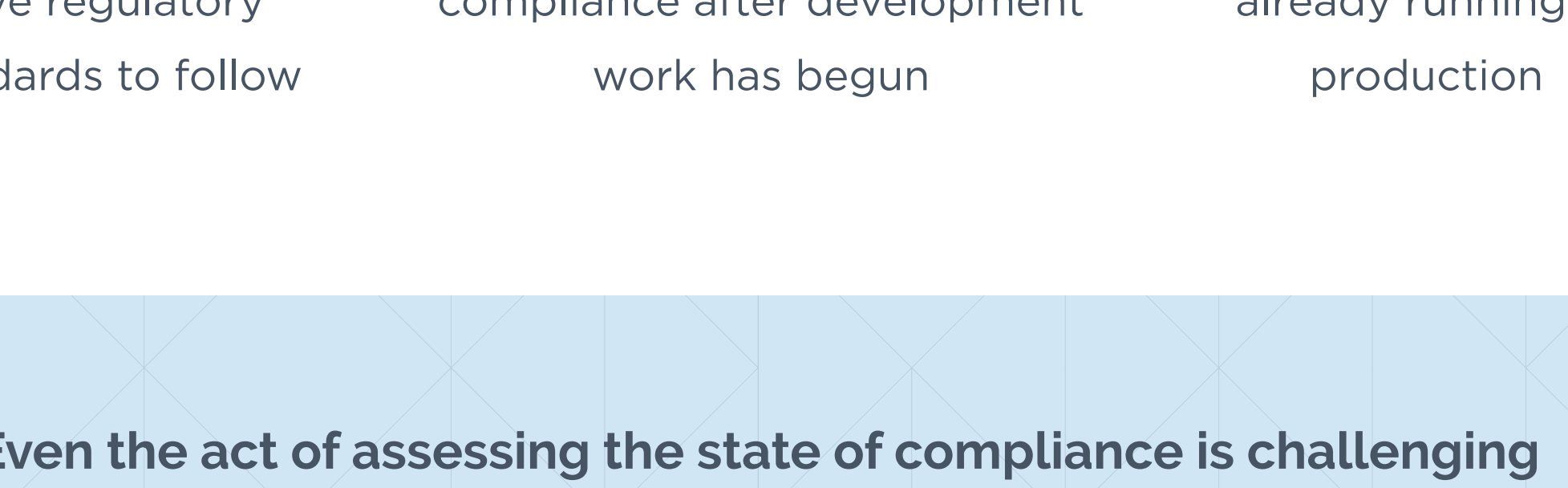
32% spent dealing with damage from unmanaged change



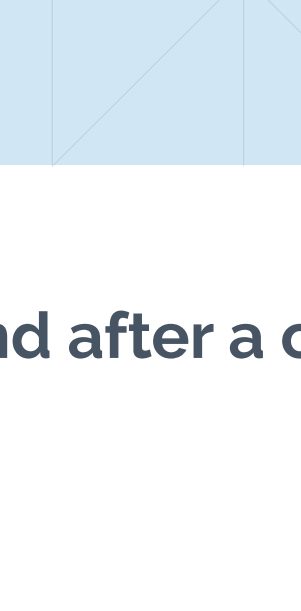
21% spent re-architecting change to meet Information Security standards

To stay ahead of rising workloads, teams will have to get more efficient with the resources they already have

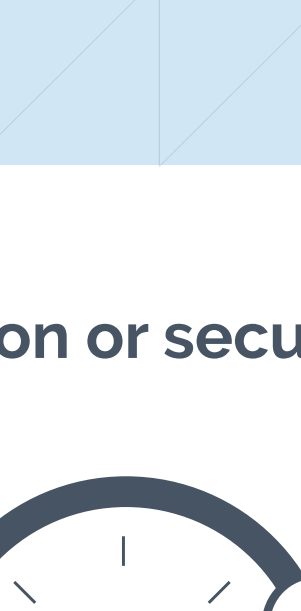
## The opportunity of compliance automation



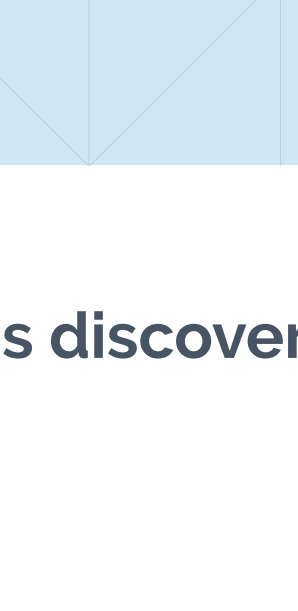
Much of the community faces a significant burden of work when it comes to compliance solutions



64% of respondents have regulatory standards to follow

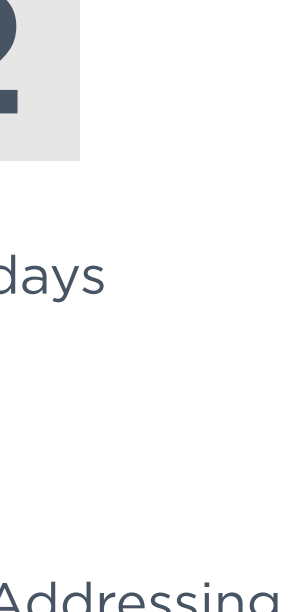


Of those, 73% wait to assess compliance after development work has begun

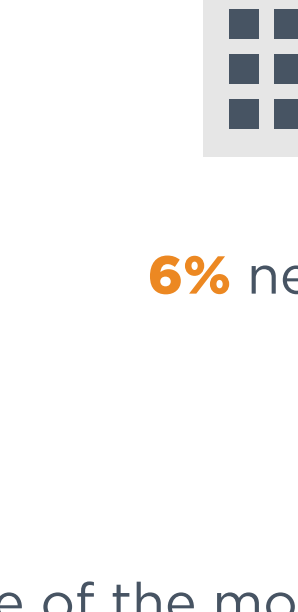


59% assess code that is already running in production

Even the act of assessing the state of compliance is challenging

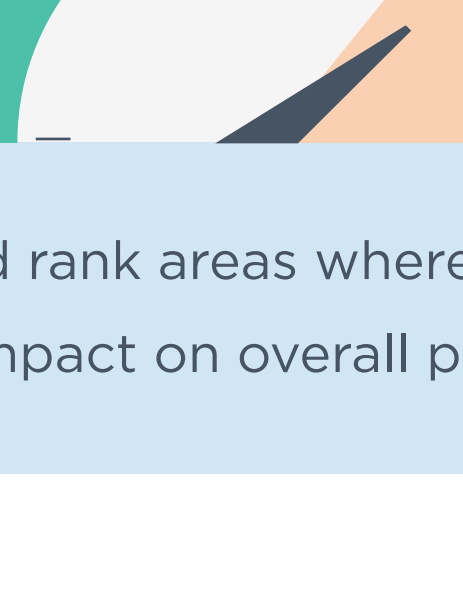


22% of respondents assess inconsistently



23% don't assess at all

And after a compliance violation or security vulnerability is discovered:



15% of respondents need hours to remediate



30% need days



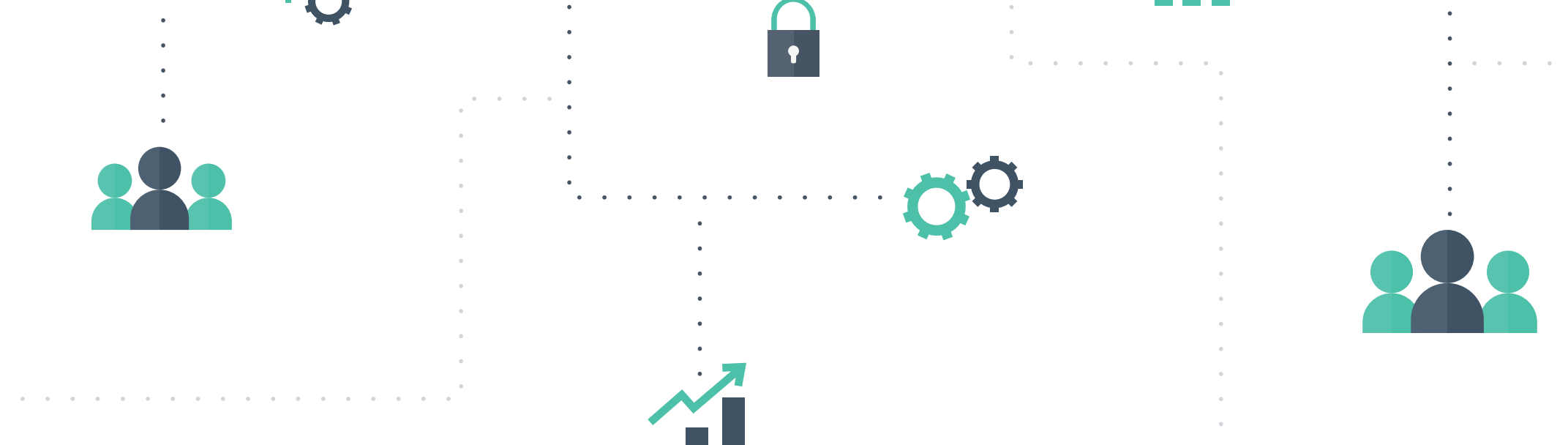
22% need weeks



6% need months

Addressing these challenges may be one of the most effective ways to manage increasing workload demands

## Continuous improvement

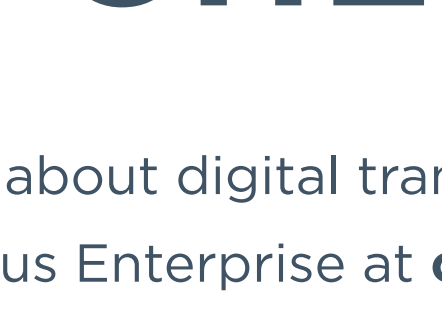


We asked users to identify and rank areas where improvements would make the biggest impact on overall performance

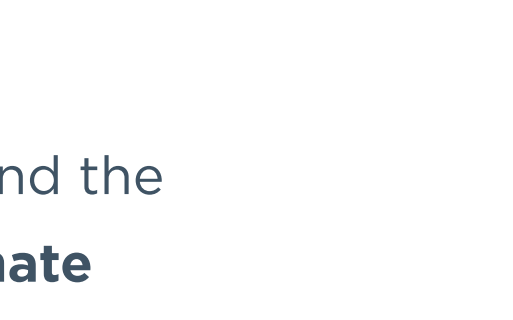
Top priorities:



1 Faster deployment speed



2 Faster time to resolve service failures



3 Lower failure rate when deploying change



4 More frequent deployments

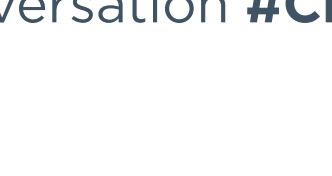


5 Involving InfoSec earlier in the development process



6 Ability to deploy compliance remediations faster

THE RESULTS SUGGEST THAT RECOVERING FROM FAILURE QUICKLY IS MORE IMPORTANT TO OUR USERS THAN PREVENTING FAILURES ALTOGETHER



CHEF

Learn more about digital transformation and the Continuous Enterprise at [chef.io/automate](https://chef.io/automate)

Join the conversation [#ChefSurvey2017](https://twitter.com/ChefSurvey2017)