aws marketplace

Upbound Crossplane

Reviews, tips, and advice from real users






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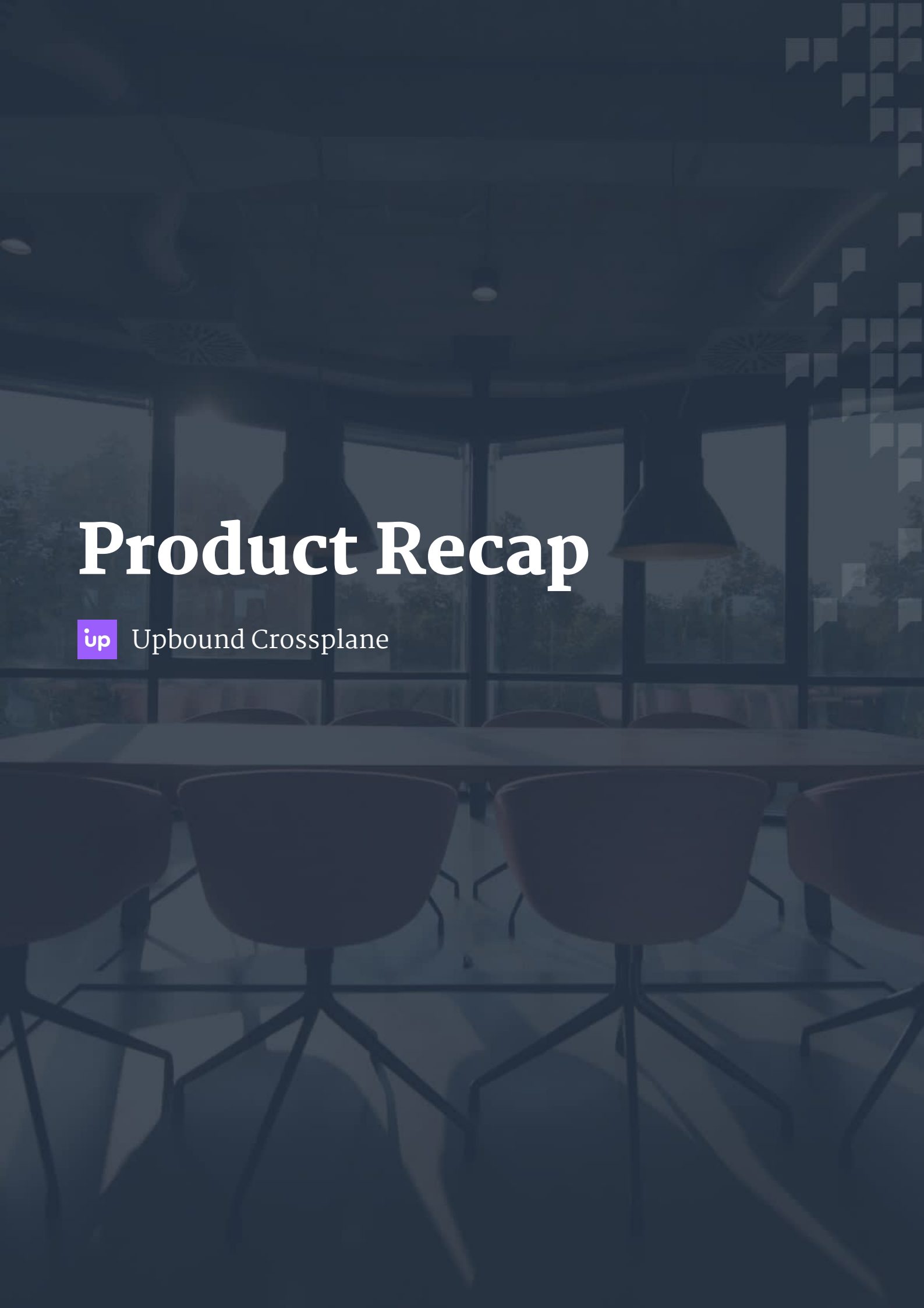

Product Recap

Upbound Crossplane

Upbound Crossplane Recap

Upbound Crossplane is a powerful open-source tool for infrastructure management, offering a universal control plane that helps automate provisioning and governance across multiple cloud providers.

Upbound Crossplane enables organizations to transform how they manage infrastructure by providing an API-driven platform that simplifies the creation and management of cloud infrastructure abstractions. It allows teams to build bespoke infrastructure APIs and manage cloud resources using Kubernetes-native approaches. With a focus on composability, Upbound Crossplane helps in defining reusable infrastructure components, streamlining operations, and enhancing multicloud capabilities.

What are the key features of Upbound Crossplane?

- Kubernetes Integration: Seamlessly integrates with Kubernetes, allowing use of existing skills.
- Multi-Cloud Support: Offers compatibility with major cloud providers, facilitating flexible deployments.
- Custom Resource Definitions: Enables creation of tailored infrastructure APIs to meet unique requirements.
- API Abstraction: Provides a layer of abstraction for managing cloud resources efficiently.

What benefits and ROI can users expect from Upbound Crossplane?

- Operational Efficiency: Reduces manual intervention, freeing up resources for strategic tasks.
- Scalability: Facilitates seamless scaling of infrastructure across cloud environments.
- Cost Optimization: Improves resource utilization, reducing cloud spending.

In industries like finance and healthcare, Upbound Crossplane empowers teams to maintain regulatory compliance while swiftly adapting to technological changes. By integrating into existing Kubernetes environments, it transforms cloud operations, driving innovation and efficiency.

Valuable Features

Excerpts from real customer reviews on PeerSpot:

"Upbound Crossplane has positively impacted our organization by allowing us to reduce our deployment time from three days to three hours for the entire back-end and entire infrastructure."

Diego Paradeda

Senior Software Engineer at Philips

"Upbound Crossplane has impacted our organization positively as it has been a transformative experience because the main thing about transformation is how we were able to make our lives easier as engineers."

RiteshWalia

Senior Specialist at a tech vendor with 10,001+ employees

"When I provisioned PostgreSQL and S3 buckets through Crossplane, I noticed improvements in deployment speed, reliability, and team collaboration."

Akshay Sa

Principal Engineer at a tech vendor with 10,001+ employees

"The best features Upbound Crossplane offers are infrastructure as Kubernetes APIs and self-service infrastructure, where developers can provision resources without cloud credentials, and its strong multi-cloud support that makes it useful in managing AWS, Azure, and GCP from a single control plane with valuable GitOps integration."

Ritik

Platform Engineer at a manufacturing company with 10,001+ employees

What users had to say about valuable features:

"I believe the best features Upbound Crossplane offers are the documentation, which is easy to understand, and the way Upbound Crossplane uses providers to deploy the entire infrastructure we need.

The documentation helps me in my workflow because it is clear regarding what we need to do and what variables and features we can add during the creation of the Helm templates that we use to deploy. Upbound Crossplane provider integration makes things easier for us because it uses simple YAML to deploy, allowing us to deploy the entire provider easily.

Upbound Crossplane has positively impacted our organization by allowing us to reduce our deployment time from three days to three hours for the entire back-end and entire infrastructure.."

Diego Paradeda

Senior Software Engineer at Philips

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"The best features Upbound Crossplane offers include that we have templating all the resources, which is called XCRDs and these are easy to manage. When the resource is created in the Kubernetes cluster itself, it is quite easy to manage through that, and we don't have to track everything on the cloud platform. Everything is in our Git repo which is there as infrastructure as code, wherein our Helm templating is there and Go templating is there, which helps us to create automation for Upbound Crossplane. We have separate clusters for Upbound Crossplane.

"XCRDs and templating have made my workflow easier and more efficient because Upbound Crossplane is a great product to replace Terraform. In our case, we had a lot of drift scenarios with Terraform and it was difficult to manage because in our organization we also have our own native solutions. Those providers are something that helps us automate and set up end-to-end automation for provisioning, whether it is any kind of resource, whether it is a secret or secret replications across different cloud providers.."

RiteshWalia
Senior Specialist at a tech vendor with 10,001+ employees

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"The best features Upbound Crossplane offers are infrastructure as Kubernetes APIs and self-service infrastructure. Developers can provision resources without cloud credentials, which is a significant advantage. Multi-cloud support is also a strong point, as I have seen that it is useful in managing AWS, Azure, and GCP from a single control plane. GitOps integration is another valuable capability.

"Apart from the organization, Upbound Crossplane has also positively impacted my personal projects. I am currently learning through personal projects that I have created.

"I can share a specific example of how Upbound Crossplane has impacted my personal projects. I used Upbound Crossplane's multi-cloud support to learn and experiment with provisioning resources for both AWS and GCP using a Kubernetes-based approach. It helped me understand cloud-agnostic infrastructure management without having to learn separate provisioning workflows, and I use that knowledge for cloud automation in my personal projects.."

Ritik
Platform Engineer at a manufacturing company with 10,001+ employees

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"The best features Upbound Crossplane offers include the GitOps approach, which synchronizes Kubernetes platform changes, and I find that very useful compared to Terraform. With Terraform, maintaining the Terraform code is risky, and if any Terraform block breaks, the entire code and Terraform lifecycle breaks. With Crossplane, maintaining individual components and keeping Kubernetes components in sync using Argo CD is more feasible and easy compared to Terraform, which is why we are trying to pivot towards Crossplane from Terraform.

"Upbound Crossplane helps us increase or expand its API capabilities just like Kubernetes APIs, which we are looking forward to. I believe this is GoLang, and we are investigating that approach. Synchronizing the entire infrastructure and provisioning infrastructure using Crossplane is something we are very interested in, and we will try to achieve that as soon as possible.

"Upbound Crossplane has positively impacted our organization so far. I can share specific outcomes such as provisioning a PostgreSQL database, an S3 bucket, and an EC2 instance from Crossplane using the GitOps approach, which has worked very well. We are trying to expand the same towards the entire Kubernetes native capabilities as well, and that is our current goal.

"When I provisioned PostgreSQL and S3 buckets through Crossplane, I noticed improvements in deployment speed, reliability, and team collaboration. Since this works solely on the GitOps approach, whenever we use Crossplane to provision any PostgreSQL or other cloud resources, we can see the entire logs using that specific Argo CD application sets. If something breaks, we can immediately look into the Argo CD app and its logs to determine exactly where the problem is coming from. The deployment happens in a matter of seconds, not in minutes, compared to Terraform, and that is what has impressed us with Crossplane so far.."

Akshay Sa
Principal Engineer at a tech vendor with 10,001+ employees

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Other Solutions Considered

"I have not previously used a different solution before Upbound Crossplane. This is my first time using such a solution. I am more focused on my personal projects, so I do not use Upbound Crossplane extensively in my organization. However, I use it to learn, and I believe it will be great in the upcoming years.."

Ritik
Platform Engineer at a manufacturing company with 10,001+ employees

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"I previously used Terraform, but Terraform native was creating a lot of drift errors and inconsistency because the engineers were not maintaining it properly. That drift was something which was not working for us, so that is where we moved to Upbound Crossplane.."

RiteshWalia
Senior Specialist at a tech vendor with 10,001+ employees

Read full review

"Before choosing Upbound Crossplane, we did not evaluate other options. It was something which was launched new and we had a good interest in it only because it creates a number of XCRDs and then the components that we create and claims that we deploy. We really liked the process of Upbound Crossplane.."

RiteshWalia
Senior Specialist at a tech vendor with 10,001+ employees

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"Previously, we were using application deployments through GitHub Actions integrated with Argo CD, and we were deploying applications using Helm charts from our GitHub repositories, while the target environment was a Kubernetes cluster managed by Terraform. Since we are working 100% on the Kubernetes native platform, we are trying to shift from Terraform.."

Akshay Sa
Principal Engineer at a tech vendor with 10,001+ employees

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Use Case

"My main use case for Upbound Crossplane is for platform engineering and infrastructure automation, as I use Upbound Crossplane to provision and manage cloud resources, such as databases, storage, clusters, and networking, through Kubernetes APIs, enabling self-service infrastructure for development teams.

"Currently, I use Upbound Crossplane primarily to see which clusters and nodes are operational and which are not.."

Ritik
Platform Engineer at a manufacturing company with 10,001+ employees

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"My main use case for Upbound Crossplane is that initially we were frustrated with using Terraform, and right now all the infrastructure provisioning and infrastructure automation we are doing is through Crossplane.

"A specific example of how I'm using Upbound Crossplane for infrastructure provisioning and automation is that currently, for our platform, we have a cloud native GenAI platform, and for that platform, we have to provision various services in three hyperscalers: AWS, Azure, and GCP Cloud, so across all three major cloud platforms, we have to provision our resources using Upbound Crossplane and it is easy to manage them.."

RiteshWalia
Senior Specialist at a tech vendor with 10,001+ employees

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"Our main use case for Upbound Crossplane at Carbon International involves maintaining our Kubernetes environments, which is entirely run using Terraform in the background. We considered using Crossplane along with Terraform to have all Kubernetes objects up to date, and we are still in the POC phase and have yet to bring it to production.

"There are a couple of surprises regarding the integration between Crossplane and Terraform. Managing the state files of Terraform and Crossplane is challenging because if both are working on the same platform component, synchronizing between the two state files is risky at this time. However, if we focus Crossplane towards one Kubernetes platform and Terraform towards another platform, we believe that would solve this issue, and my team and I are still investigating this approach.

"We are still exploring how we can utilize Crossplane to manage our infrastructure completely. We are trying to replace Terraform with Crossplane, but we are still in the POC and R&D phase.."

Akshay Sa
Principal Engineer at a tech vendor with 10,001+ employees

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Setup

The setup process involves configuring and preparing the product or service for use, which may include tasks such as installation, account creation, initial configuration, and troubleshooting any issues that may arise. Below you can find real user quotes about the setup process.

"Integrating Upbound Crossplane with our existing systems and workflows was initially difficult because this tool was new to the market just two to three years ago. However, now that we have completed the setup, it is going very with integrating all the providers because the best thing is that Upbound Crossplane provides inbuilt providers which are available in open source and those are reusable. We don't have to do anything from scratch, and there are a lot of providers available that can be utilized for our work environment. This existing workflow really helped.."

RiteshWalia

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Senior Specialist at a tech vendor with 10,001+ employees

Other Advice

"My advice to others looking into using Upbound Crossplane is that they should try it once, and then they will understand what I am referring to. It is a great solution. I would rate my overall experience with Upbound Crossplane as eight out of ten.."

Ritik
Platform Engineer at a manufacturing company with 10,001+ employees

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"My advice to others looking into using Upbound Crossplane is that if they have any legacy systems or if they are deploying applications on virtual machines, I would suggest they stay away from Crossplane because it is strictly bound to a Kubernetes-native GitOps approach. However, if they are deploying their applications on Kubernetes, then I would suggest they consider it. I would rate this product a 6 out of 10.."

Akshay Sa
Principal Engineer at a tech vendor with 10,001+ employees

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"I rate Upbound Crossplane a 10 on a scale of 1 to 10. I choose 10 because it is easy to work with. Regarding Upbound Crossplane's AI capabilities, I do not know much because I did not use it with AI. I did not use the AI features, so I cannot comment on its accuracy and reliability of output. My advice for others looking into using Upbound Crossplane is to read the documentation, as it is simple and easy to understand. My overall review rating for Upbound Crossplane is 10.."

Diego Paradeda
Senior Software Engineer at Philips

Read full review

"My advice to others looking into using Upbound Crossplane is that this is definitely a transforming tool if you are looking for a next-gen infrastructure solution. At the same time, for people who don't know Kubernetes in depth and who don't have much cloud native knowledge, it can be a bit difficult to start. I would say that people should first have in-depth knowledge of cloud native toolsets and then they should start using Upbound Crossplane. I have rated this product a 9 out of 10.."

RiteshWalia
Senior Specialist at a tech vendor with 10,001+ employees

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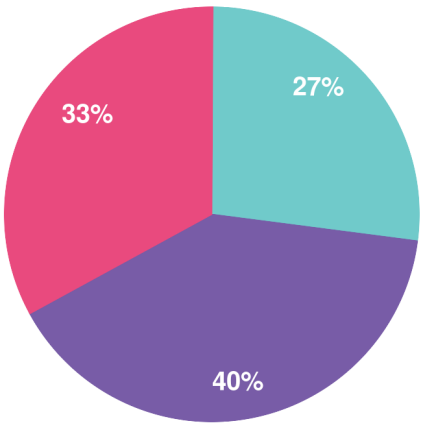

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