

## CASE STUDY

T. ROWE PRICE | 2018



### SUMMARY

*Founded in 1937, Baltimore-based T. Rowe Price (troweprice.com) is a global investment management organization that provides a broad array of mutual funds, sub-advisory services, and separate account management for individual and institutional investors, retirement plans, and financial intermediaries. The organization also offers a variety of sophisticated investment planning and guidance tools. T. Rowe Price's disciplined, risk-aware investment approach focuses on diversification, style consistency, and fundamental research.*

### CHALLENGE

Driven by a corporate initiative, the cybersecurity team at T. Rowe Price (TRP) looked to deploy a cloud identity solution. The goal was to move to the cloud quickly, so timing was critical. The project driver was to create flexibility through an easily modifiable, continuous integration and continuous delivery (CI/CD) pipeline; an automated SecDevOps process. To align with other corporate projects, the security team needed to find and implement a product very quickly that allowed them to also support SAML and OAuth. The project was further complicated because of the need to integrate multiple user directories that included both internal and external users. Ideally, the team wanted a single solution that could address all their needs including managing access for users, devices and application to application calls supporting configurable authorization policies. These stringent requirements limited the number of solutions. Additionally, the TRP team did not have experience with cloud based identity offerings.

While investigating a few products the TRP team met with a Cloudbentity channel partner and learned about the Cloudbentity Security Mesh. The service not only provided the app to app security, easily scalable microservices, access standards and SecDevOps support required, but it could be deployed in the very aggressive timeframe.

### SOLUTION

Once the project began, the TRP team knew they had made the right decision. "Everything worked out of the box, what was guaranteed to work did work" says Blake Kizer, Lead Security Engineer. "This was a refreshing surprise since often vendors have trouble or are unable to deliver on promises". He went on to report that the internal and external directories were unified while being offered "exceptional customer service, making our entire team feel like we were very important".

One challenge that came up during the project was the need for a reverse proxy. As the move to cloud and microservice architecture progressed, communication with legacy services and architecture needed to be maintained. The solution had to address this important communication issue between all services. The Cloudbentity Token Exchange Service provided the support needed to use all services on the network, both old and new, while still successfully managing the architecture migration.

A key component of the project was the Cloudbentity micro-perimeter. This micro-gateway combines the ease and security of legacy perimeter security used for monolithic applications with today's microservices

requirements. The micro-perimeter can be deployed, updated and configured for each microservice as a singular package. An added benefit is that the solution complements TRP's SecDevOps goal of CI/CD. The micro-perimeter also offloads the development requirements for microservice specific security aspects. This is possible because the micro-perimeter creates a single logical security "pod" that is protected by its dedicated API gateway securing the app itself.

Cloudfentity identity microservices provide the identity & access management operations acting as a hosted entity across all business units providing services such as profile management and login while using the existing TRP user interface.

## BENEFITS

The TRP team approached the project concerned they would need a costly custom solution which would take months to implement. The platform accelerated TRP's time to market by months because of the "ready to use" microservices and APIs that handle application to application token management including creation, signatures, verification, and key management. The stability of the stack across environments and capability to rapidly spin up the entire stack in any environment, resulted in a better than expected outcome. Cloudfentity was able to offload the identity and security requirements providing ease of deployment for the T. Rowe Price team.

"The implementation felt easy" says Kizer.

## ABOUT CLOUDENTITY™

Cloudfentity is a leader in providing a real-time self-healing identity and security layer to cloud-native applications by leveraging Identity and Fraud Management and was recently named in Gartner's 2017 "Cool Vendor" report. We unleash organizations to deliver Secure Digital Transformation by delivering dynamic real-time authentication, authorization and management across users, services, and things. Utilizing Identity at the heart of everything we do, we drastically reduce application-owners time to market by offloading cybersecurity and identity requirements allowing developers to focus on game changing business applications in a comprehensive SecDevOps manner.

Cloudfentity is trusted by dozens of customers in Finance, Insurance, Government, Retail, and Healthcare, including leading companies like Blue Cross-Blue Shield, Reliance Industries, PG&E, Crowdstrike, T Rowe Price and Standard Insurance Corp.

Contact the Cloudfentity team today for a demo or download a trial from website [www.cloudfentity.com](http://www.cloudfentity.com)

# CLOUDENTITY™

Cloudfentity  
2815 2nd Ave, Suite 390  
Seattle, WA 98121  
Tel 1-888-796-8341  
[www.cloudfentity.com](http://www.cloudfentity.com)

