# How Pace Revenue halved compute costs and bolstered its algorithm with Google Cloud

#### PACEREVENUE

Client Industries Technologies Location
Pace Travel and Compute.
Hospitality Kubernetes



Hotels are designed to cater to our desires. From snug beds that seem to make themselves, to ensuite facilities, comfort is king. Consumers spend hours comparing rates and dates via search engines, hunting for the perfect room for their needs. Behind the scenes, hotel operators put just as much effort into getting their room rates right.

Deciding what to charge for a hotel room is a constant balancing set. To maximize revenues, hotel operation need to set the rate of each room at the optimal price for each day, based on peals in demand and other factors that are constantly in flux. In fact, the hospitality market is so that removing that it is impossible for a human to keep their finger on the pulse of these factors. That's where Pace Recovus correst is, with a software that gets the job done almost imprengably,

#### The brief

"What our clients like about our pricing engine is the simplicity," explains Matt. Viue Bennett. Chief Technology Officer at fiber Revenue. The software uses machine learning to automate pricing decisions entirely or provide pricing suggestions, increasing revenues by VIVs on average. They just let our algorithm

#### rooms."

Helping hotels save big with a lean IT crew

For the engine to "do its thing," Rose Revenue needs to continuously run property
management system data through complex machine learning algorithms. To occule
with these data volumes, Pace Revenue learnings a lean infrastructure built
entirely on Google Cloud. "All of our workloads are containerized, and almost
everything runs on Google Kalcernetes Engine", says Matt. This resource-efficient

With less time needed to maintain infrastructure, the team is free to focus on new solutions and optimize the quality of the Pace Revenue pricing engine. This agility drives innovation at Pace Revenue, which has grown steadily since the first client, signed on in 2017, lower put with this success, the Titem often needs to master

#### Checking the stack curbing the spend

Checking the stack, curing the spend "We didn't always have time to establish best practices before we started using cloud solutions, and we wendered if there was untapped savings potential in our stack," says Matt. "And of course, reducing our cloud spend became even more important when COMID-9 Int. That why we approached DoT international."

important when COVID-19 Nr. That's why we approached DoT international." In selecting a partner, Mart had two main criteria: support to big statishable expertise in the company, and affortiability, DoT international surpassed Mart's expectations on both counts. What immediately stood out was DOT's business model." The lays "I've but you critical services through DoT international, and model." The lays "I've but you critical services through DOT international, and and the properties of the company of the c

## What we did

To book working together, Pace Revenue first provided Dolf International with read-only access to its Google Cloud projects configuration. One week later, Math and his team received a comprehensive people highlighting all of the potential sadings in the Pace Revenue IT stack, with detailed interactions on how to implement the changes. DOT International great use in incredibly through review of everything winks doing on Google Cloud." says Matt. "This included one major swings potential in our worl Google Kolements Engine that promise a massive swings potential in our worl Google Kolements Engine that promise a massive swings potential in our worl Google Kolements Engine that promise a massive swings potential in our worl Google Kolements Engine that promise a massive swings potential in our worl Google Kolements Engine that promise a massive swings potential in our worl Google Kolements Engine that promise a massive swings potential in our worl Google Kolements Engine that promise a massive swings when the promise in the contraction of the contract

## impact on our bottom line." Halving compute costs with a few tweaks

To power its pricing engine, Pace Revenue runs workloads on on-demand compute nodes with Google Kubernetes Engine. Dol'T international saw an opportunity to reduce IT overhead with little effort by running these workloads or

Prescribed to Mar defer the same making loss and options as require common inmations and tell of the pill Strum, while second paid as much liver contribution require instances. Do'll returnational throad the Place Remains engineers have recognized the architecture to make it more register and ables for the uses of those more short-friend Mish. In less than a week, the stem that implemented at the appealed inflammation designs, colling to company bits I had immatigated and the contribution of the same and the contribution of the appealed design of the company. The contribution is a second of the contribution of our order and the contribution of the contribution of the contribution of our order and red for prevention of the contribution of the contribution of our order and red for prevention of the contribution of the contribution of our order and red for the contribution of the contribution of our order and order to the contribution of our order and the contribution of t

## Making time for hospital

Instead of spending time and effort researching cloud optimization techniques, the Pace Revenue team can now focus its energy on tasks that directly improve the customer experience. We no longer have to spend time understanding how Google Coot works because BoT International does it for us." explains Matt. "Orchinded with the compast savings, we can use these resources to make our applicit more capable and run it more respensively. And that add effectly to our applicit more capable and run it more respensively. And that add effectly to our

Working with its previous support services. Matt and his team often found it hard to get the point across with their questions, and misunderstandings were common. Today, this is no longer an issue, as Peec Reviewma has a direct line to cloud engineering experts at DoT international for any cloud challenges. With DOT internations, largout ticknet immediately go to reliable subject-matter exports. The team always understands where we're coming from, and highs use deviced international. This creates a level for that the way haven't contained and the properties of the common state of the common s

## elsewhere." An all-inclusive cloud experience

Trust is a key ingredient in the relationship between Pace Revenue and its hospitality clients, and with Doll' international, the beam feels more empowered to make decisions that its clients can rely on. Our customers are early adopters, and they frust our technology to take business critical pricing decisions off their hands, "spikins Matt." Wire able to meet that trust by making smart decisions for our If stack, And preserving with of International has empowered us to

## The result

Besides more profits, clients can also expect more features thanks to Pace Revenue's new analytics platform, built with the help of Doll International. Prowered by Google-EyGuart, it help of boll International. Prowered by Google-EyGuart, and the provider post of postators valuate data to critical edications and strategies. "Standing on the shoulders of Google-Cloud, and knowing that Doll International has our back, we can built better solicitions fast even with our lean IT team," says Matt. "It enables us to leverage technology.

Now that it has quick access to proven cloud expertise whenever needed. Pace Revenue's IT team is ready to meet new challenges head on. "Our clients are a forward thinking-room, and we're always trying to stay at the forefront of technology," says Matt." Our ongoing partnership with DoIT international ensures that we're aware of all the amazing things happening in the cloud, and that we've got the expertise at hand to make that technology work for us."

## Matt Yule-Bennett, Chief Technology Officer, Pace Rever

"We no longer have to spend time understanding how Google Cloud works because DoT international does it for us. Combined with the compute savings, we can use these resources to make our algorithm more capable and run it more frequently. And that adds directly to our customers' bottom line."