Metacert
Case Study

METACERT

"Metacert wanted an infrastructure migration. ClickIT implemented the best cloud solutions for them covered all necessities"

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ClickIT
SMART TECHNOLOGIES

Metacert was founded in 2009, it started as a mobile application for smartphones and tables, which focuses on providing a safer internet environment for kids, blocking inappropriate and harmful content. Nowadays Metacert has over 10 Billion sites on their database, and their services expanded exponentially. They now have multiple apps and plugins, including Android, IOS, Chrome, and Firefox.

Infrastructure migration

Cloud computing

Optimization and security

The Challenge

Metacert, one of the largest and safest internet browsing API provider with over 10 billion sites in their Database, wanted to migrate their infrastructure to a highly scalable, secure and reliable solution in the cloud.

Requirements

- LAMP stack installation.
- Secure Metacert's Server: Firewall, hardening and malware services.
- IDS Tools.
- Servers optimization and speed: Services optimization and caching system.
- External database (RDS and DynamoDB).
- Autoscaling for web server.
- Route 53 management.
- Github management.
- CDN installation.
- Monitoring tools.

Migrate the infrastructure to the cloud

Dynamo DB **Integrate API** **Elastic Beanstalk**
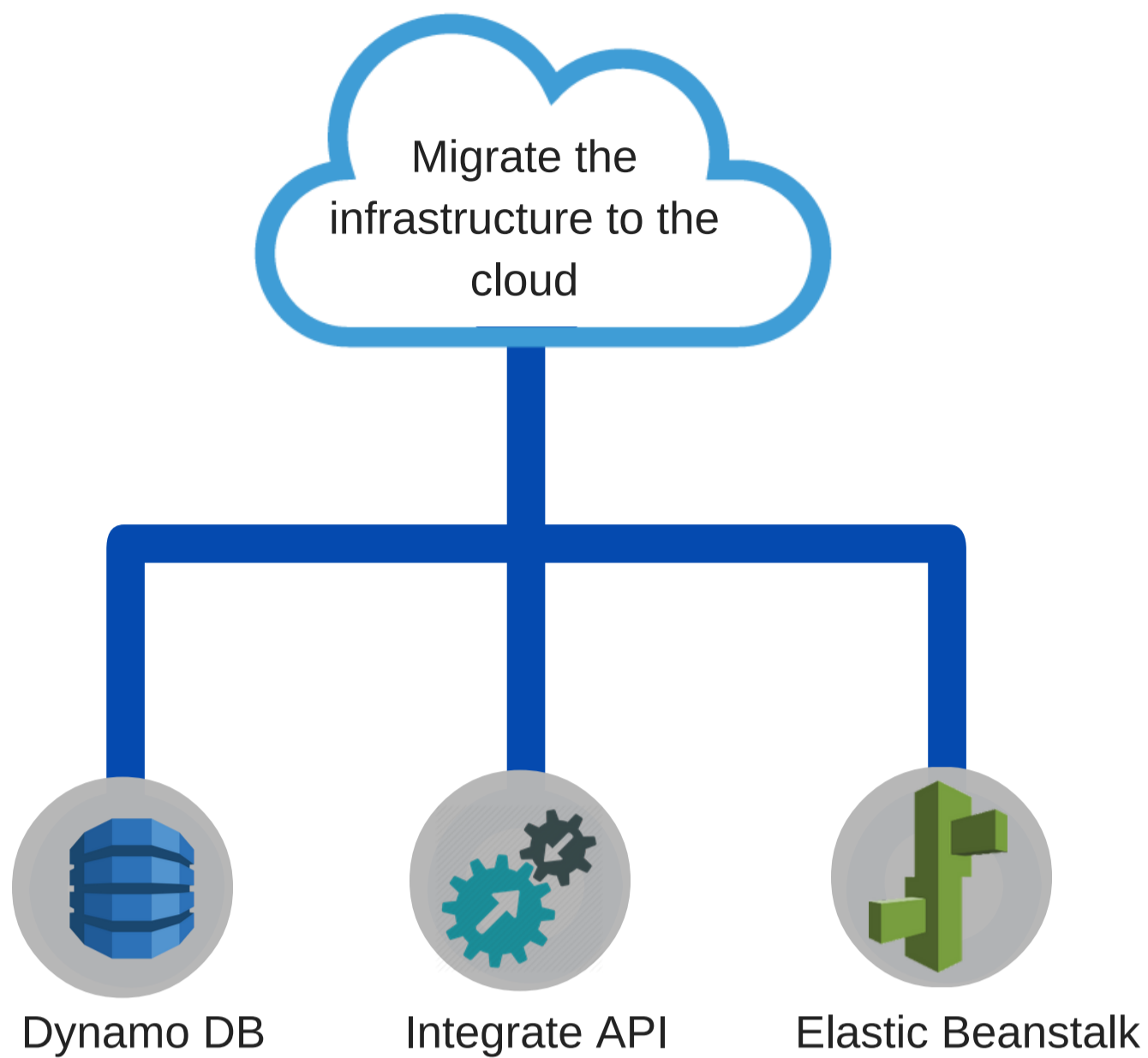
Once everything was stable and productive, ClickIT developed their integrations and updated the current applications to have a new face and security layers. The applications made (and still being developed) are now living in the AWS Cloud, the global leader in the Cloud world with hundreds of thousands of customers.

Technologies

- LoadBalancer.
- Sendgrid.
- CodeDeploy.
- OpsWorks.
- DynamoDB.
- Elasticache

- VPC.
- EC2.
- RDS.
- R53.
- S3

The Process

Metacert needed a team of experts to build an infrastructure capable of scale on demand but without compromising the costs. It also needed a robust security and disaster recovery plan because the hundreds of thousands of clients relying on their service. The development team was necessary to take care and develop their services and integrate them with other ones.

To solve database issues, we decided to go with AWS DynamoDB since we wanted a highly scalable and reliable solution. The next challenge was to integrate the API with the new database because the structure of the API calls were dierent, so we had to rebuild the API that they had. We have to migrate the site itself. Then we went with Elastic Beanstalk so it could scale up and down without compromising the costs.

amazon
web services™

Results

Metacert has become a success in the market, they now have integration with other apps like Hipchat, developer apps, Slack, etc.. The stability and security are our number one priority, that's why Metacert has 100% uptime, it doesn't matter if the traffic is high or low.

About Us

Development
Web and Mobile Development for Ecommerce sites, Startups, Mobile and SaaS applications.
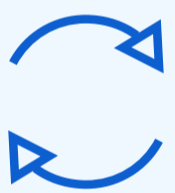
DevOps
Continuous integration and Accelerate your Development productivity with IT automation.

Cloud Computing
Integrate your online business to the cloud today. Get the benefits that cloud computing can give you.

Security
Hardening and malware removal. Ask for a security assessment, ethical hacking and penetration testing.

Migrations
Migrate your aplication to the Cloud, or move your site to the hosting that suits you best.

Optimization
Accelerate your application and CMS using caching layers, CDN technologies and tuning your LEMP services.

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