

nClouds | AWS Case Studies

ēdn

How nClouds helps AgTech innovator ēdn maintain its AWS infrastructure's stability, reliability, and availability so that ēdn's engineers have more time to focus on new features.

**Industry**

AgTech, Consumer Electronics, IoT

Location

New York, NY

Challenge

Maintain the stability, reliability, and availability of ēdn's AWS infrastructure.

Featured Services

24/7 Support Services

About ēdn

Founded in 2016, ēdn creates products that enable everyone to grow fresh herbs, vegetables, and flowers indoors at the push of a button. ēdn is on a mission to change the way the world experiences nature. The company combines advanced automation and app control with a deep understanding of horticulture to grow any type of plant year-round with predictable and guaranteed results. To learn more, go to edntech.com

Benefits Summary



Enhanced uptime and reliability of its AWS infrastructure.



Improved focus on product innovation.

Challenge:

Maintain the stability, reliability, and availability of ēdn's AWS infrastructure.

Why AWS and nClouds

ēdn wanted AWS-certified experts as the first point of contact to handle support calls. Their CTO had used nClouds' services when he was at another company. When he moved to ēdn, he contacted nClouds to provide [24/7 Support Services](#) to maintain the uptime and reliability of their AWS infrastructure.

ēdn leverages several Amazon Web Services:

- **Amazon API Gateway (API Gateway)** - Makes it easy for ēdn’s developers to create, publish, maintain, monitor, and secure APIs at any scale.
- **Amazon CloudWatch (CloudWatch)** - Monitors applications, responds to system-wide performance changes, optimizes resource utilization, and provides a unified view of operational health.
- **Amazon DynamoDB** - A key-value and document database that delivers single-digit millisecond performance at any scale.
- **AWS CloudFormation (CloudFormation)** - Allows ēdn to treat its infrastructure as code, automate operations, and bring up new environments.
- **AWS CodePipeline** - A fully managed continuous delivery service that helps ēdn automate the build, test, and deploy phases of release pipelines to rapidly and reliably deliver features and infrastructure updates.
- **AWS Lambda (Lambda)** - Enables ēdn to run code without provisioning or managing servers. Pay only for the compute time consumed — there is no charge when code is not running.
- **AWS IoT Core** - A managed cloud service that lets connected devices easily and securely interact with cloud applications and other devices. It can support billions of devices and trillions of messages, and can process and route those messages to AWS endpoints and to other devices reliably and securely.

ēdn’s solution stack also includes additional, essential third-party tools:

- **CircleCI** - A continuous integration and delivery platform (CI/CD) that makes it easy for ēdn to rapidly build and release quality software at scale.

nClouds' Solution for ēdn

nClouds' 24/7 Support Services team provides ēdn with:

- Management of events, incidents, problems, and assets.
- Event/incident ticket creation and escalation with automated escalation alerts, immediate logging and timestamping of tickets.
- Systems, tools, applications with resource-level controls to monitor the performance of the infrastructure and AWS services to ensure the system remains within policy.
- Runbook updates based on new issues encountered, changes in the infrastructure, or ēdn’s requirements.



I was impressed with nClouds’ capabilities when I had them provide 24/7 Support Services at my previous company. As soon as I joined ēdn, I called them to apply that expertise to keeping our AWS infrastructure running smoothly.”

Aaron Schram, Ph.D.
Chief Technology Officer, ēdn

The Benefits

Teaming with nClouds, ēdn is benefitting from:



Enhanced uptime and reliability of its AWS infrastructure.

nClouds' 24/7 Support Services team provides ēdn with quick response to events affecting their environment to maximize uptime and reliability. Based on real-time environment health insights, nClouds prevents many issues from ever occurring and, when needed, steps in to remediate incidents.



Improved focus on product innovation.

nClouds provides 24/7 on-call support and monitoring so that ēdn's engineers can spend more time building new features instead of providing infrastructure support.

About nClouds

nClouds is a certified, award-winning provider of AWS and DevOps consulting and implementation services. We partner with our customers, as extensions of their teams, to build and manage modern infrastructure solutions that deliver innovation faster. We leap beyond the status quo.

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