

BuildingLink

By partnering with nClouds to modernize its application infrastructure and migrate to AWS, BuildingLink successfully overcame challenges and positioned itself for future growth and innovation in the property management industry.

Benefits Summary



Horizontal Scalability



Cost Savings
and Modernized
Technical Footprint



Improved Performance
and Data Sovereignty

Industry

Property Management Technology

Location

New York City, United States

Challenge

Application Modernization, Cloud Migration,
and Scaling

Featured Services

AWS Landing Zone, EKS, API Gateway, RDS,
MSK, ElastiCache, AmazonMQ, DynamoDB,
Network Firewall, Transit Gateway, Security
Hub/GuardDuty, S3

BuildingLink

About BuildingLink

[BuildingLink](#) is a premier provider of property management solutions, offering a comprehensive platform that enhances operational efficiency and tenant satisfaction. With a commitment to innovation, BuildingLink integrates advanced technology to streamline property management tasks for buildings across the world.



CHALLENGES

BuildingLink faced significant challenges with its legacy technology stack, which had been in place for 19 years. The aging infrastructure was not only difficult to maintain but also limited in its ability to scale effectively, hampering BuildingLink's growth potential. The data center environment struggled to support the expanding database, and there were increasing issues with performance and reliability.

The need for application modernization and migration to the cloud became an important priority. BuildingLink's existing setup could not efficiently handle the evolving demands of its customer base, and scaling issues in the data center prevented it from growing its database. The legacy technology also hindered the adoption of new features and improvements, which was crucial for staying competitive in the property management industry.

Why AWS and nClouds

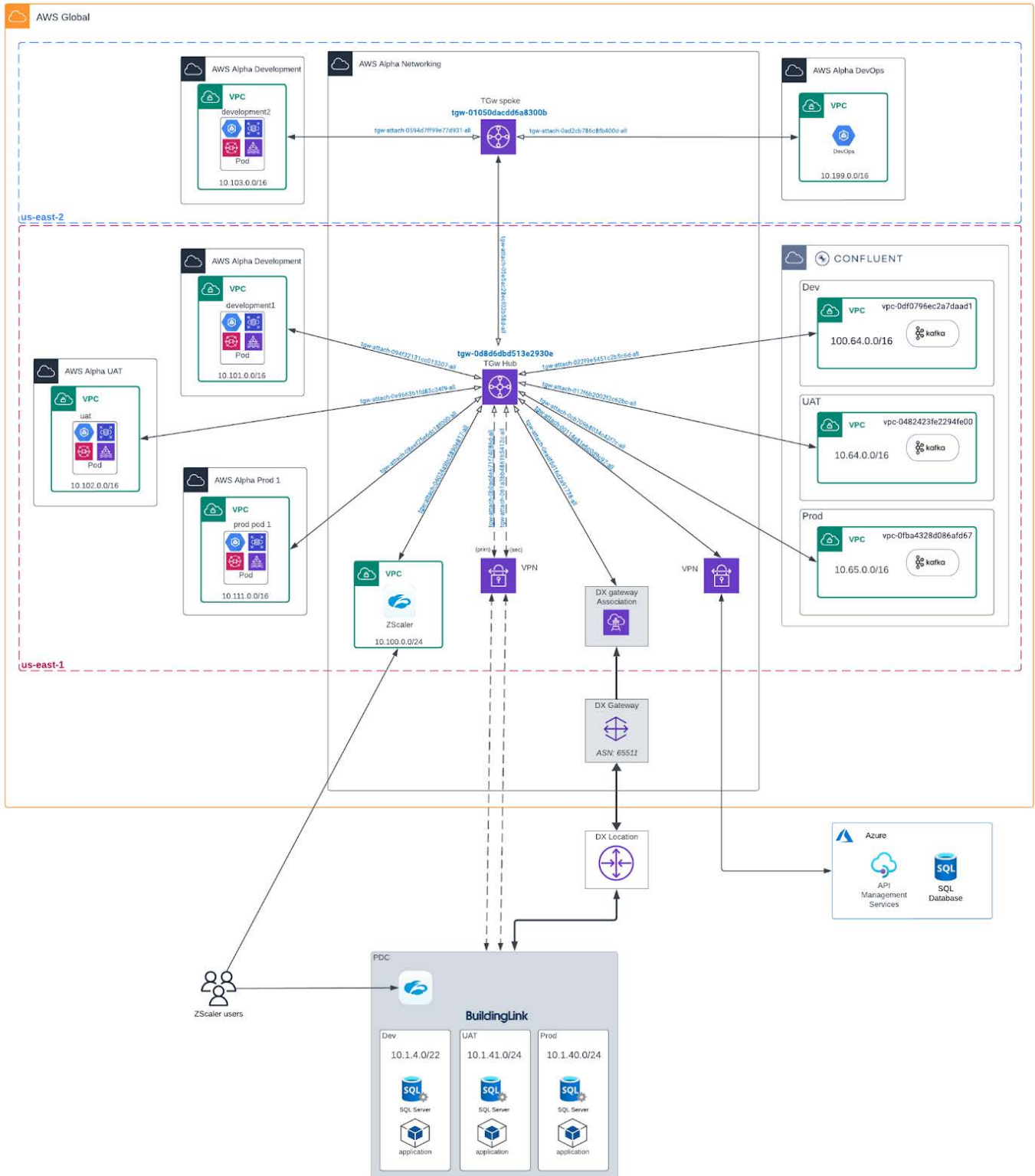
BuildingLink initially considered both AWS and Azure for its cloud migration and application modernization needs. However, AWS emerged as the preferred choice due to several compelling reasons. One of the primary factors was the funding opportunities provided by AWS through the Migration Acceleration Program (MAP). This funding facilitated a cost-effective migration, enabling BuildingLink to allocate resources efficiently and achieve its modernization goals.

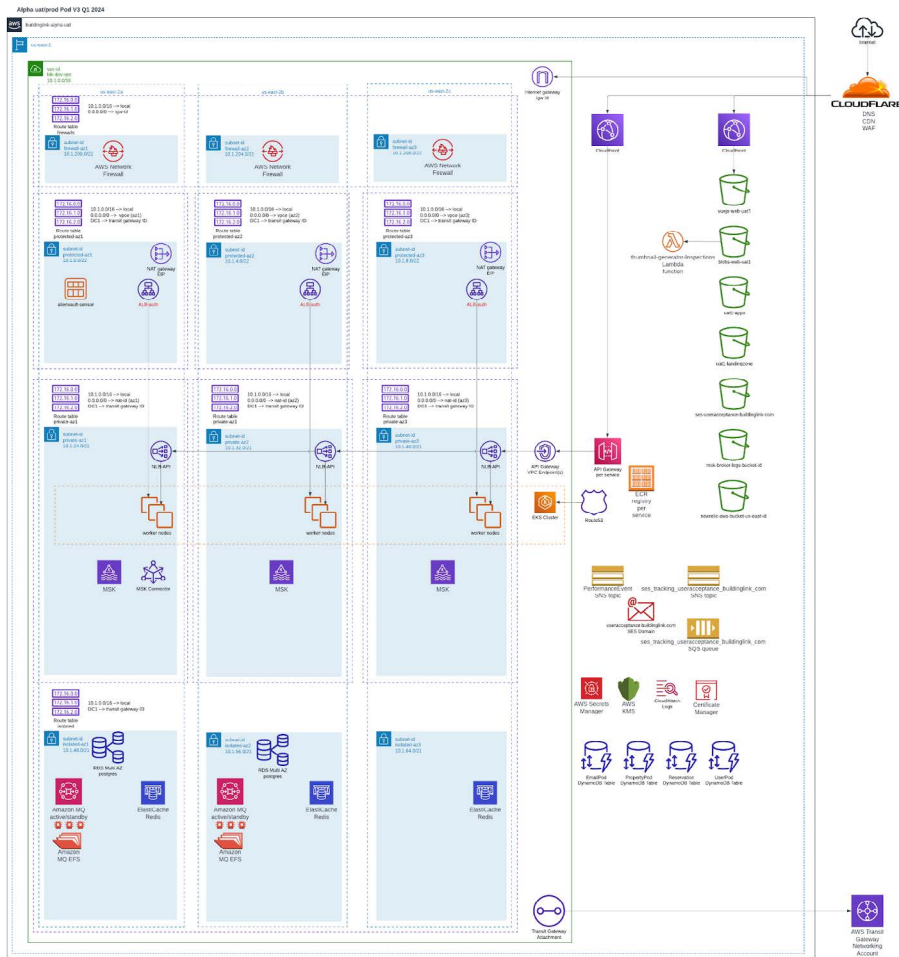
AWS's platform maturity also played a crucial role in the decision-making process. AWS offered a well-established and reliable platform, capable of supporting BuildingLink's complex requirements. The robust ecosystem of services and solutions provided by AWS ensured that BuildingLink could leverage advanced technologies and best practices to enhance its infrastructure and application performance.



SOLUTION

nClouds brought extensive expertise in cloud engineering, cloud migration, and application architecture, which was instrumental in ensuring a smooth and successful transition to AWS. With a proven track record of delivering optimized solutions, nClouds guided BuildingLink through each phase of the migration and modernization process. This collaboration between AWS and nClouds provided BuildingLink with a comprehensive and reliable solution, addressing its technical challenges and positioning it for sustained growth and innovation in the property management industry.





nClouds' Solution for BuildingLink Included These Essential AWS Services

nClouds leveraged AWS to deliver a robust and scalable solution for BuildingLink. The implementation involved setting up an AWS Landing Zone to establish a secure and compliant multi-account AWS environment. Key AWS services used included the following:

- **Amazon Elastic Kubernetes Service (EKS)** facilitated container orchestration and management, enabling microservices architecture and improving deployment agility.
- **Amazon API Gateway** provided a secure and scalable entry point for BuildingLink's APIs, enhancing communication between services.
- **Amazon RDS (Relational Database Service)** offered scalable and managed database solutions to support BuildingLink's data needs.
- **Amazon Managed Streaming for Apache Kafka (MSK)** ensured reliable and scalable event streaming for real-time data processing.
- **Amazon ElastiCache** improved application performance by enabling fast, in-memory caching.
- **AmazonMQ** facilitated message brokering to ensure reliable communication between distributed systems.
- **Amazon DynamoDB** supported high-performance, scalable NoSQL database needs.
- **AWS Network Firewall and AWS Transit Gateway** enhanced security and networking capabilities, ensuring secure and efficient data flow.
- **AWS Security Hub/GuardDuty** strengthened security posture with continuous monitoring and threat detection.

nClouds' Solution for BuildingLink Also Included These Essential Third-Party Services



Zscaler was integrated to provide advanced security features, including secure web gateways and cloud firewall services.



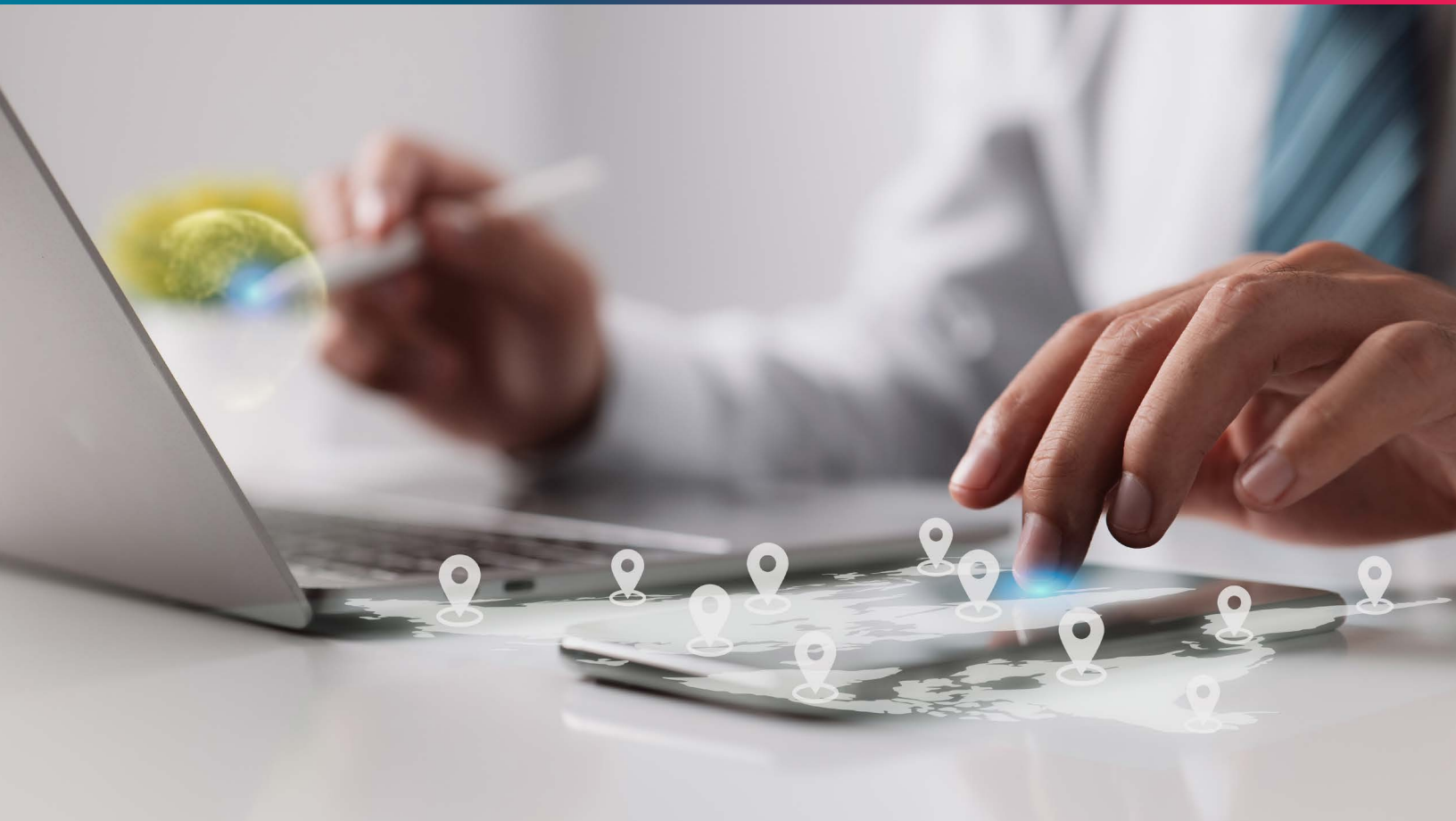
Argo CD was implemented to streamline and automate the deployment process.



AlienVault was utilized for its security information and event management (SIEM), which includes event collection, normalization, and correlation.



GitHub Actions was leveraged to automate CI/CD workflows.



BENEFITS



Horizontal Scalability

The new architecture enabled BuildingLink to achieve horizontal scalability, allowing it to support a growing customer base more effectively. By adopting a microservices approach and leveraging AWS's scalable infrastructure, BuildingLink can now seamlessly add resources and expand its services without significant overhead. This scalability ensures that BuildingLink can continue to grow and meet increasing demand without compromising performance or reliability.



Improved Performance and Data Sovereignty

By regionalizing its solution and deploying closer-to-end users, BuildingLink saw a significant improvement in performance, particularly for users in distant locations like Australia. This geographic optimization reduced latency and enhanced user experience, leading to higher satisfaction levels among customers. Additionally, the new architecture enabled BuildingLink to implement data sovereignty measures, ensuring compliance with regional data protection regulations and maintaining control over data storage and access.



Cost Savings and Modernized Technical Footprint

The migration to AWS and the adoption of a microservices architecture resulted in substantial cost savings for BuildingLink. The pay-as-you-go model of AWS services allowed BuildingLink to optimize its resource usage and reduce operational costs. Furthermore, the modernized technical footprint attracted better talent, as developers and engineers are more inclined to work with cutting-edge technologies. This modernization not only reduced costs but also facilitated further innovation, positioning BuildingLink for long-term success in the property management industry.

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.