Home Network Management (HNM) Legacy Modernization to AWS Cloud

With rapid growth witnessed in Fiber to home high-speed broadband services, client was looking to modernize their Home Network Management (HNM) legacy application that would enable scaling up to demand and also efficiently manage customer premise equipment like Router and Set-Top box.

The Big Picture

As Telcos embrace oncoming changes, those that make bold and quick investments will lead the pack and buck the trend. A lot of the new money flowing into digital investments has meant upgrading and modernizing legacy systems for Telcos to be better equipped to deliver on the Digital promise.

Our client sought a reliable partner who would not just execute its modernization programs, but also be focused on the business outcomes with a mix of cross functional capabilities.

Business Problem

HNM application is responsible for managing home devices like routers, STB for customer FiOS services. HNM is an inventory system, storing inventory data of all home network equipment. HNM application codes are written in C++, with some Java based. All applications were running their own hardware and software, and separate application environments. Client wanted to move all these to a common stack on AWS Cloud to meet key business objectives.

Key Challenges

Key complexities involved were:

- High volume of customer and device data.

- Applications involved were mission critical that demanded High Availability.

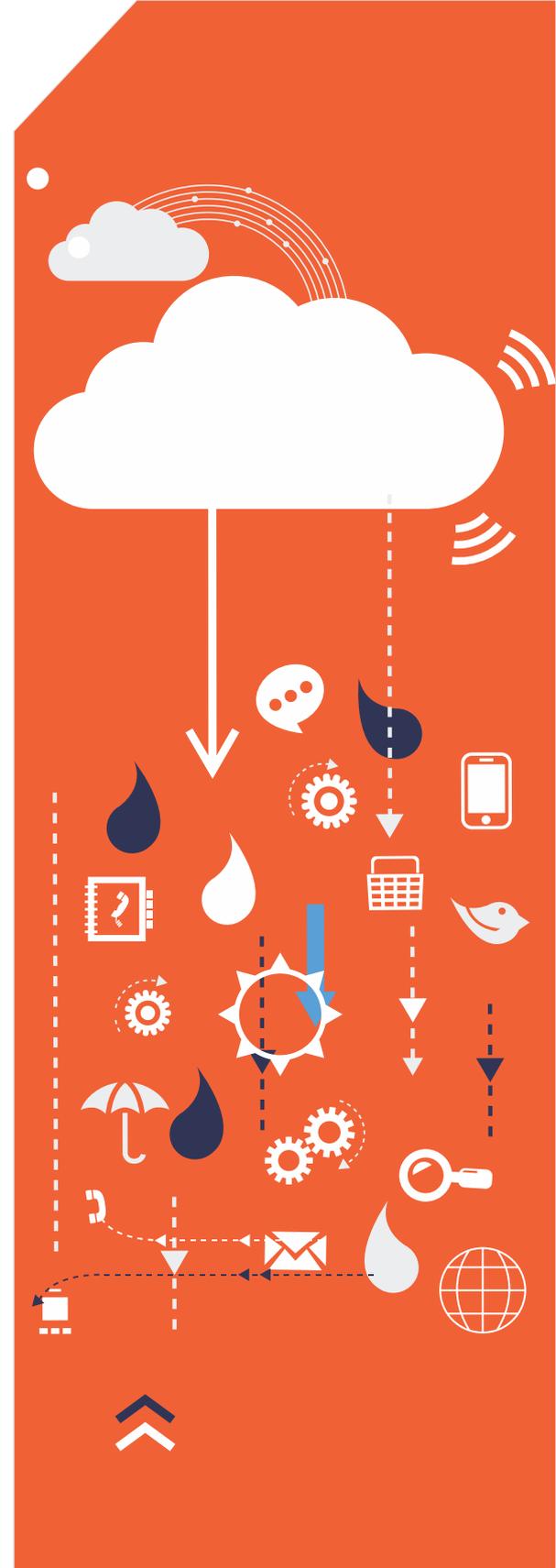- Avoiding any disruption in service during and post migration.

Our Solution

Detailed assessment of the situation, and implementation:

- AWS infrastructure and deployment setup.

- DB2 to Postgres migration.

- Informix/Oracle to Postgres migration.

- Microservices Development ©++ to Java).

- GUI Modernization.

- Test environment setup and testing, UAT and production deployment.

Business Impact

- Entire system migration led to cost benefits of up to 30%.

- Zero downtime through out the migration process through proactive service & performance monitoring.

About Incedo

Incedo is a digital transformation expert empowering companies to realize sustainable business impact from their digital investments. Our integrated services and platforms that connect strategy and execution, are built on the foundation of Design, AI, Data, and strong engineering capabilities blended with our deep domain expertise from digital natives.

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