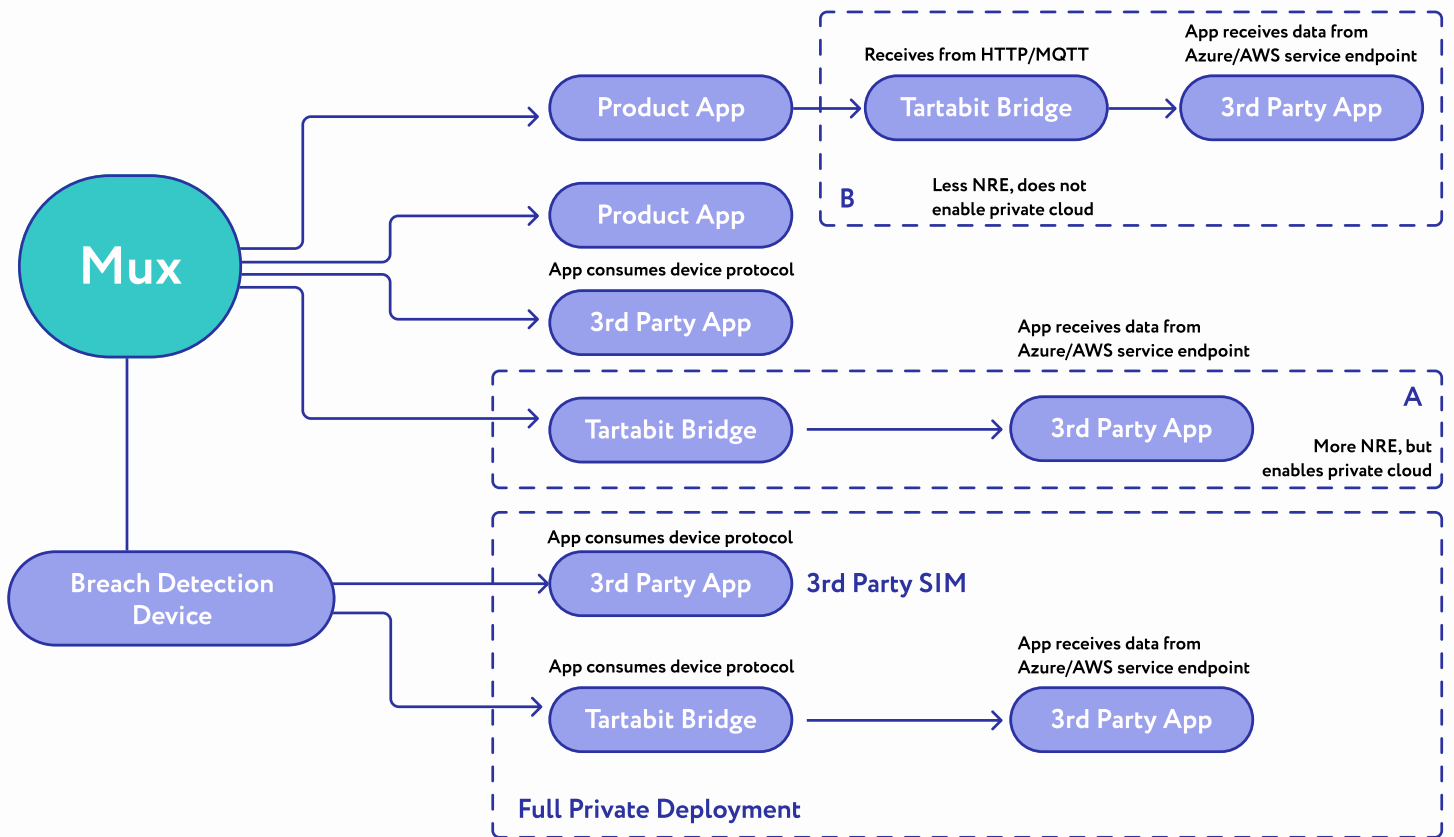


# SIMPLIFIED DEPLOYMENT OF SHIPPING CONTAINER MONITORING PRODUCT

Datasheet

# Project objective

Create a PoC application of a multiplexer that can receive all communications from breach detection devices mounted in shipping containers, and route the connections to different servers. This would help the client maintain the integrity of the server protocol and get rid of specific provisioning in every device.



# Result

The delivered multiplexer demonstrates the transfer of complete data from breach detection devices to multiple servers using the server communication protocol. The solution contributes to data integrity by utilizing the unified protocol, and allows for facilitation of the deployment by excluding the need for unique provisioning in every device to particular server. The client rapidly evaluated the PoC and leveraged it for investigation and testing of integration capabilities.

## Scope of work

- ❖ Modification of the existing product architecture in Azure by fitting the mux. Adding the option to connect the private cloud
- ❖ Source code development in view of limited app functionality to work with existing stateful and sequential TCP service, inherited from the previous vendor
- ❖ Manual testing of basic functionality

## Activities

- ❖ Requirements development
- ❖ Infrastructure set-up
- ❖ Architecture design
- ❖ Software development
- ❖ Functional testing

# About the project

## Technologies

- ❖ MS Azure cloud services
- ❖ .NET
- ❖ TCP/IP stack

## Platforms

- ❖ Cloud



## Project size

- ❖ 1 person

## Duration



October, 2022 – February, 2023