



# **Cloud-Native Container Deployments: With FusionLayer Infinity, Ansible, and Kubernetes**

---

Evertech Case Study

January 2020

Copyright © 2020 FusionLayer Inc.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior permission of the copyright owners.

Cloud-Native Container Deployments: With FusionLayer Infinity, Ansible, and Kubernetes

by FusionLayer Inc, January 2020

Any comments relating to the material contained in this document may be submitted to:

**FusionLayer Inc**  
**Annankatu 27**  
**00100 Helsinki, Finland.**

or by email at:

**[info@fusionlayer.com](mailto:info@fusionlayer.com)**

# Business Case Study

## Customer Profile

Evertech is a Finnish managed services provider. The company provides managed private and hybrid cloud as well as more traditional hosting and data center services to the Small and Midsized Business market. As the forerunner of commercial container-based data centers with first production rollouts as early as 2015, Evertech allows its SMB customers to take the advantage of digitalization as a service without having to make considerable investments into private business infrastructure.

## The Challenge

Digital Transformation is changing the way in which both large businesses and SMBs conduct business in the 2020s. At the core of these new business models lie the next-generation business infrastructure platforms that power the intelligent and automated business processes of tomorrow. With industry trends such as 5G mobility, Internet of Things (IoT) and Artificial Intelligence (AI) providing a catalyst for the change, business entities from all verticals are looking for ways in which they can harness these new technologies to contribute for the competitive advantage for their business.

To implement an automated business process that seamlessly interoperates across different technology domains, the underlying systems must be capable of communicating with each other. For example, while orchestrators such as Ansible and Kubernetes can interact with each other to deploy microservices used to replace the monolithic business applications dating back to the 2000s and the 2010s, both solutions are limited in the information they have at their disposal about the networks in which the next generation of business applications are to be deployed.

As a complement to the Ansible and the Kubernetes installations already in production, Evertech needed a cloud-native solution in which they could abstract the network information related to their multitenant business infrastructure. By abstracting all network information to a unified layer, Evertech assessed it could gain full visibility across the virtualized tenant networks while being able to automate certain network-related changes that it needed for zero-touch delivery of some of its service offerings.

To simplify its selection criteria, Evertech outlined the following business requirements for the use case:

- Ability to reduce Operating Expense (OPEX) by automating and simplifying network management processes
- Speed up the onboarding process through out-of-the-box integrations with Evertech's existing technology stacks
- Align with compliance requirements through Role-Based Access Control (RBAC) designed for multitenancy

## FusionLayer Infinity - A Perfect Fit for Evertech

When implementing its first Infrastructure-as-a-Service (IaaS) platform in 2014, Evertech selected FusionLayer as its partner for automating the IP assignments as part of the automated service workflows. After a flawless service record during the last five years using NameSurfer – FusionLayer's traditional IPAM solution – Evertech had developed a trusted relationship with FusionLayer's quality software and exceptional support.

After investigating FusionLayer's next-generation Software-Defined IPAM (SD-IPAM) solution carefully, Evertech became convinced that FusionLayer Infinity was an ideal match to accommodate the evolution of the container-based business infrastructure that they had developed. Thanks to its patented solution architecture, FusionLayer's Infinity solution was able to provide Evertech with continuity on their traditional IPAM use cases while providing expanded functionality for new cloud-native use cases such as microservices and edge cloud.

"Having worked with FusionLayer since 2014 when we implemented our first IaaS cloud based on OpenStack, I was already confident about their service level and the ability to help us in service automation," said **Mika Neva**, Director at Evertech. "Given how satisfied we have been with their traditional IPAM technology, I was really pleased to see the next generation FusionLayer infinity solution and the ease at which it integrated with our new Ansible and Kubernetes stacks."

### Advantages of Deploying FusionLayer Infinity at Evertech

- Simple integration with cloud-native service stacks utilizing Ansible and Kubernetes
- Ability to implement a zero-touch business process to reduce OPEX and speed up service activation
- Support for multitenancy through granular Role-Based Access Control (RBAC) and audit trails
- Full visibility into tenant across multiple on-prem and public cloud stacks
- Flexible data structure and solution architecture to accommodate new use cases down the road

## About FusionLayer Inc.

FusionLayer Inc. simplifies cloud application deployment for enterprises and managed service providers who need to automate the IP commissioning process. The company's patented technology easily integrates with existing infrastructure allowing IT departments to manage IP resources in real-time. Nine out of 10 of the world's largest service providers and half of the Fortune 500 companies rely on FusionLayer to improve the manageability of their networks. Visit [www.fusionlayer.com](http://www.fusionlayer.com).