Case Study
Software-defined Datacenter for Nordics-based Payment Service Provider
Client
With 50+ years of service, the client provides payment services to over 300,000 merchants throughout the Nordic region – from large corporations to smaller enterprises and micro-merchants.

Challenges
• Need for modernization due to regulatory compliance demands
• Seamless migration of mission-critical infrastructure
• High operational cost
• Drive up experience of the already digital-native target audience

SDI Design and Deployment

• Datacenter interconnectivity (L3 VPNs, VXLAN)
• Inside the DC (legacy to ACI switching, routing)
• New Fabric (EPG-based) extended to the old datacenter (STP-based) allowing for phased migration of 80+ applications
Application Migration

• Migration of 65 applications as-is (1:1 VLAN to EPG mapping)
• Migration of 15 applications after redesign (inter-subnet and inter-VLAN communication rules tweaked)
• Performed service migrations (live vMotion)
• 80+ enterprise applications migrated in four months

Business Benefits

• Accelerated migration of all enterprise applications
• Seamless migration from Legacy DC to SDDC in phased manner without business impacts
• Smooth migration to new DC allowing usage of existing VLAN/IP schema leading to negligible downtime and ensuring continuation in business operations

Technologies Used

Cisco ACI, Cisco UCS, FirePower, VMware DVS, RapidAdopt