

Building a SDN Controller with Zero Touch Provisioning Capabilities



Our Client

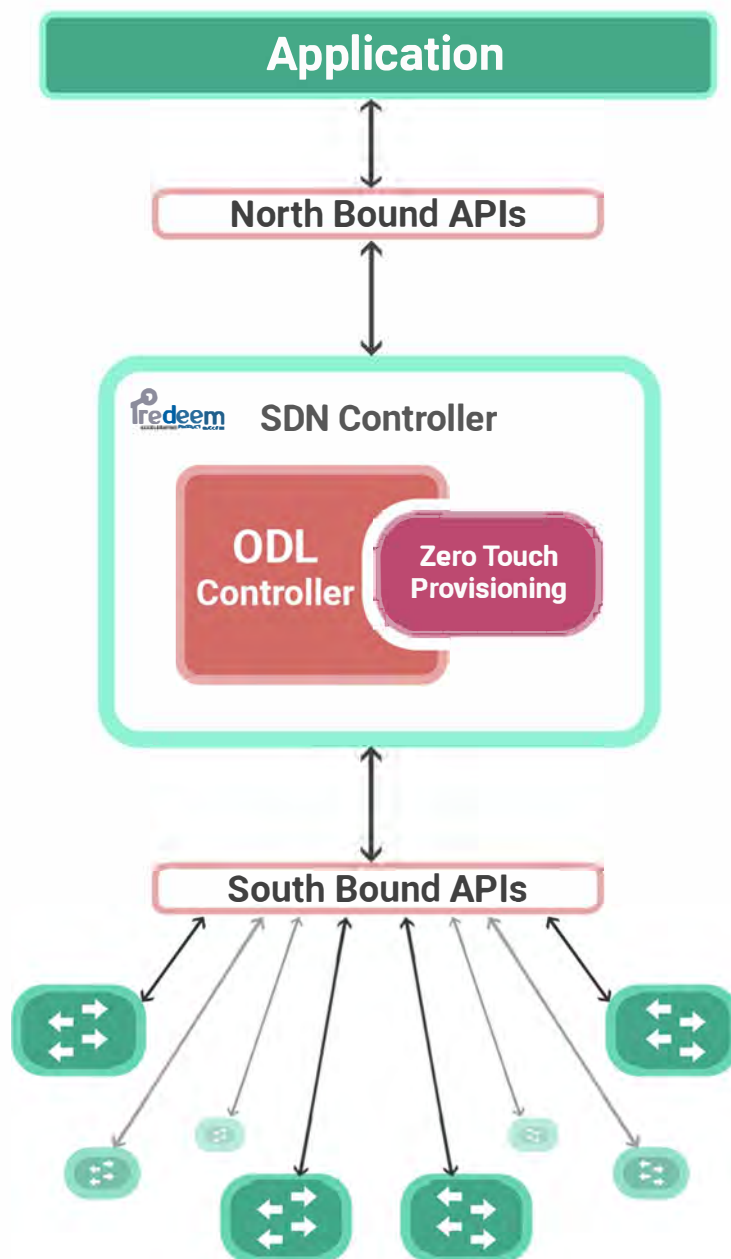
A telecommunications equipment vendor who provide network equipment for data, storage, voice and video services.

Why they needed us

They wanted to provide their users with an easy way to setup new network devices.

What we did

Extend the SDN controller functionality to enable Zero Touch Provisioning. Zero Touch Provisioning is a way through which configuration of any new network device is done automatically.



Customised the SDN Controller so that the user can feed new network device information in the SDN controller. The new device information includes Device ID, Management IP, WAN-IP, BGP configurations, custom configurations, access credentials etc.

Customised the SDN controller so that it can push the corresponding device configuration to the new network device. The controller first does the necessary device input validation once it receives the “I am up” information from the device. After the device is validated the controller pushes the corresponding device configuration to the newly connected device.

How they benefited

More telecommunication service providers started using our client’s SDN controller because their users were now able to connect any network device and start using it right away.

About Redeem Systems

Redeem Systems is a pure-play Engineering and Digital Services Company with focus on mission critical highly engineered + high availability systems. Our global presence spans Asia-Pacific, Middle-east, Europe and North-America.

Our focus verticals include – Tele-communications, Medical Electronics and Aerospace & Strategic Electronics.

Our Product Engineering competencies include Product Design and Development, Verification & Validation, Emerging Markets Strategy and Product Life-Cycle Extension through Value Analysis and Value Engineering

Our Digital competencies are focused on Industrial Internet-of-Things (IIoT), Engineering Big Data Analytics and Software Defined Networking (SDN)/ Network Functions Virtualization (NFV).