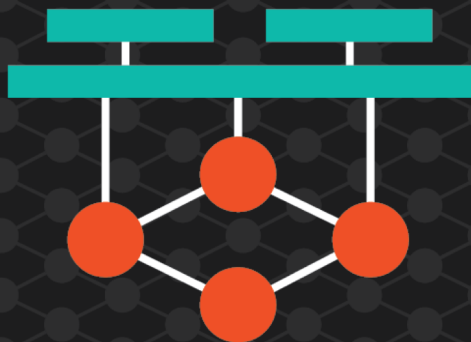


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An OpenDaylight Story: One Customer's Journey





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Abstract

At Lumina Networks, we believe the future is open network programmability, driven by innovation born from community centric development, used to control the most demanding network services. Join us as we share a customer story, how an OpenDaylight based solution created positive business outcomes, including shrinking time to revenue for a network service, giving a US based service provider a technical advantage in a very competitive market. Technologists will learn how the abstraction of service creation can create a base network controller, simplifying orchestration. Developers will hear about the real world challenges facing production deployments of open software. Executives will see how both operational and capital savings can be realized from a SDN network transformation project.



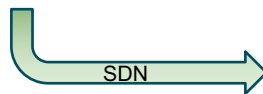


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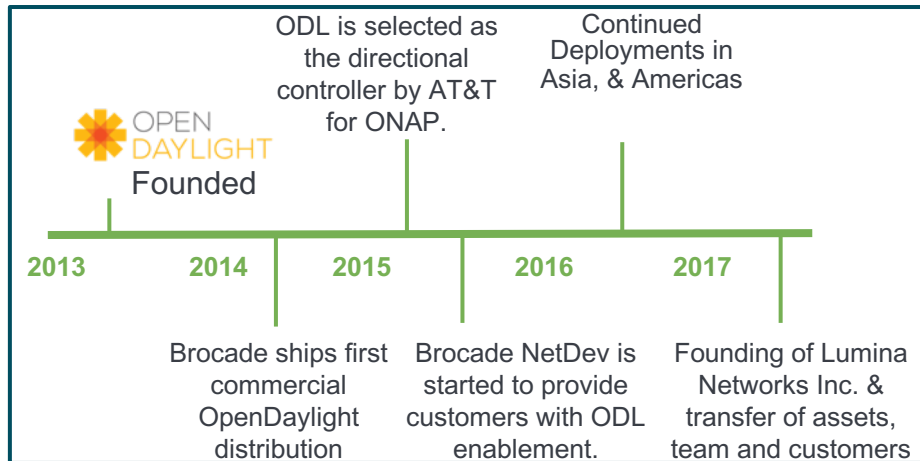
Lumina Intro

- Founded April 2017, as a spin-out from Brocade SDN BU, with offices in the US, UK, Australia and India.
- Active OpenDaylight contributor and community leader, trusted by our customers to deliver a vendor-neutral distribution.
- Advocates for adoption of open software and open networking concepts into service providers.

BROCADE

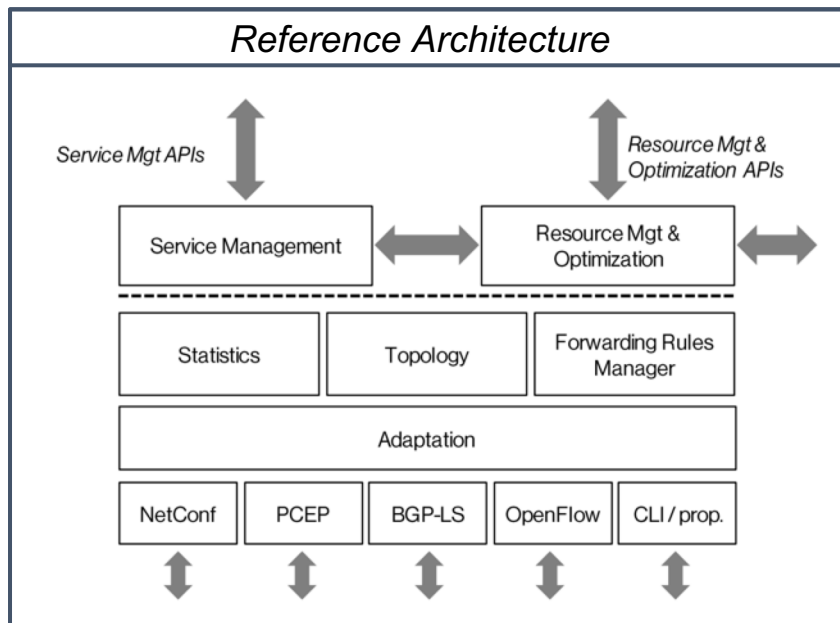


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Customer Profile



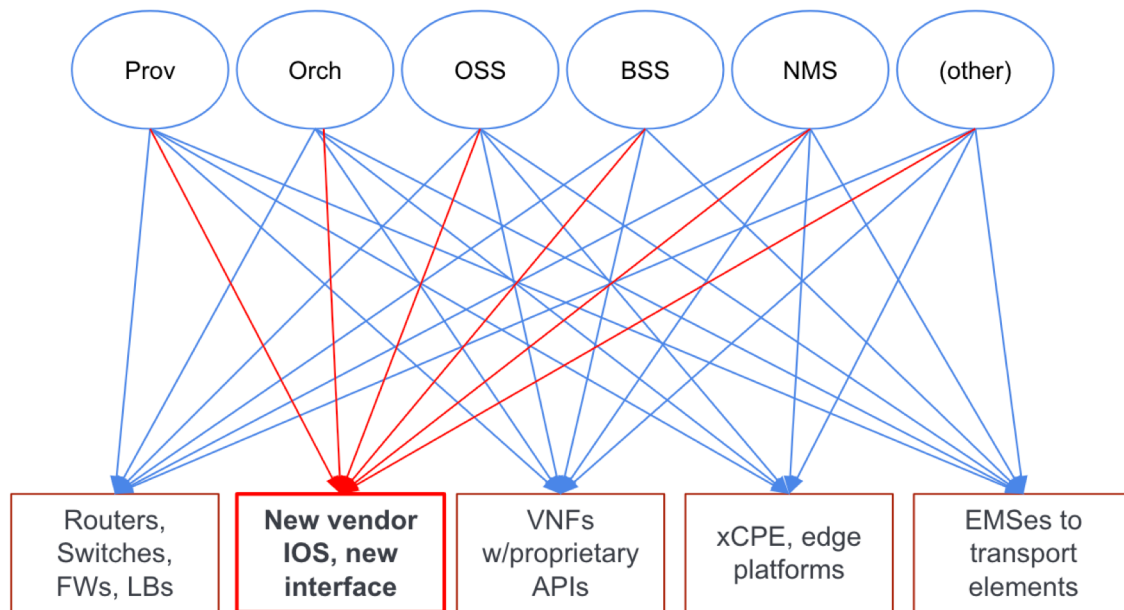
- US based service provider delivering wireless and wireline services over a network of 250K devices spanning optical, IP, MPLS and CPE domains
- Early adopter of NFV and SDN principles, while practitioners of risk management through commercial vendor delivery partnerships.





Problem Statement

- Proprietary solutions create vendor lock-in.
- Multi-vendor solutions drive proliferation and complexity.
- Onboarding suffers long lead times.





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Business Impact

LATE TO MARKET



18 month lead times for new network service deployment.

CLIMBING OPEX



Complexity to enable service across multi-vendor solution.

CLIMBING CAPEX



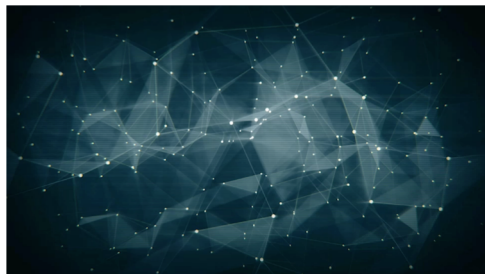
A single-vendor solution not driving price competition.



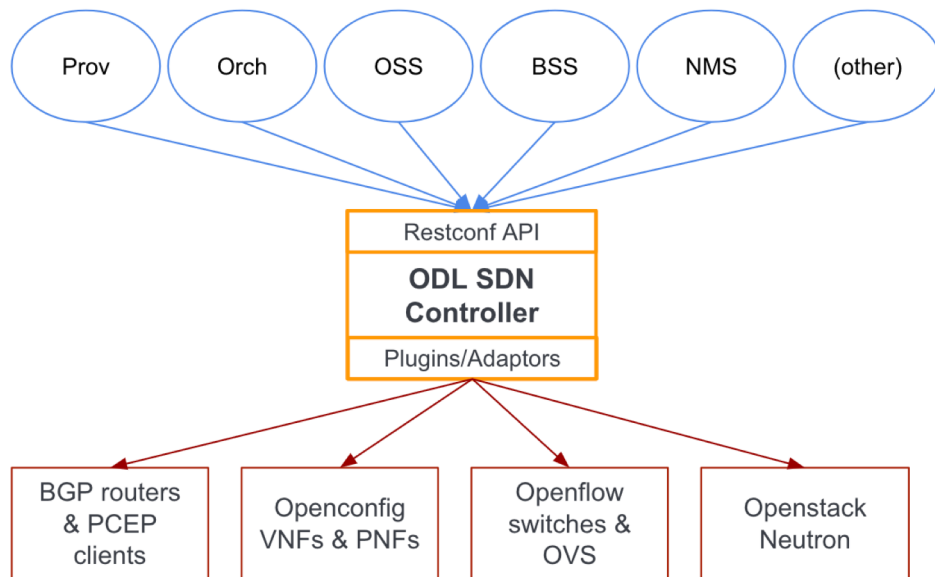


Solution Summary

- Abstraction of service creation and service assurance with Controller.
- Common interfaces for NB system access and SB device ingestion.



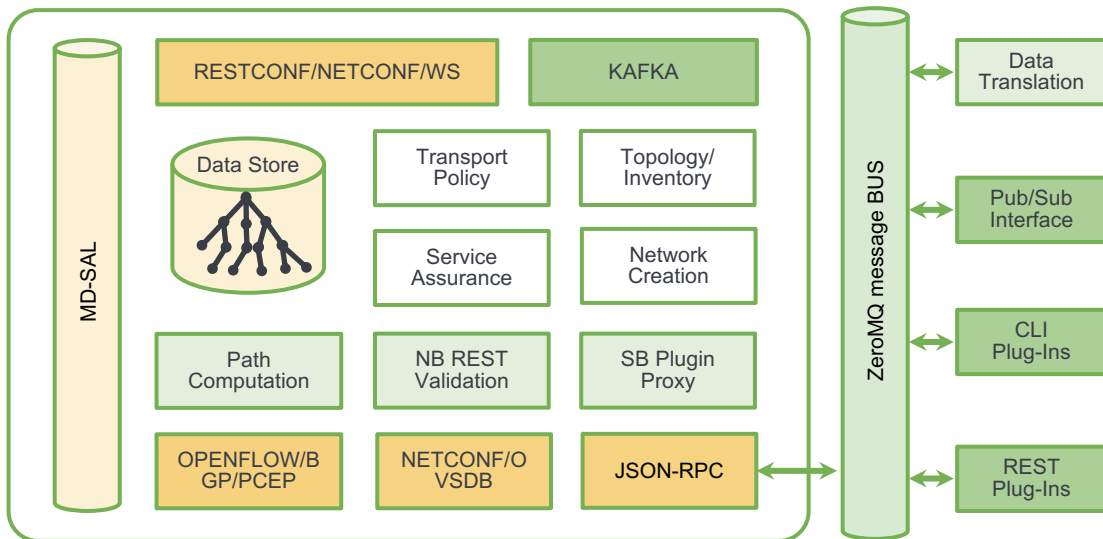
See this video clip at <https://tinyurl.com/y7tmlcfy>





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Solution Details



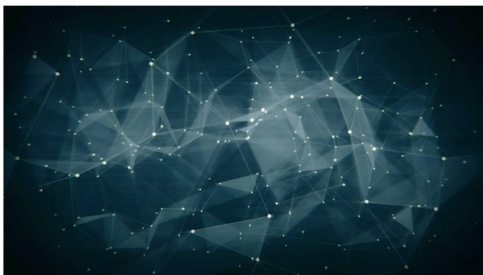
- Leveraging OpenDaylight creates a future proof environment with a community driven roadmap.
- Micro-services framework extends controller functionality via JSON-RPC project.



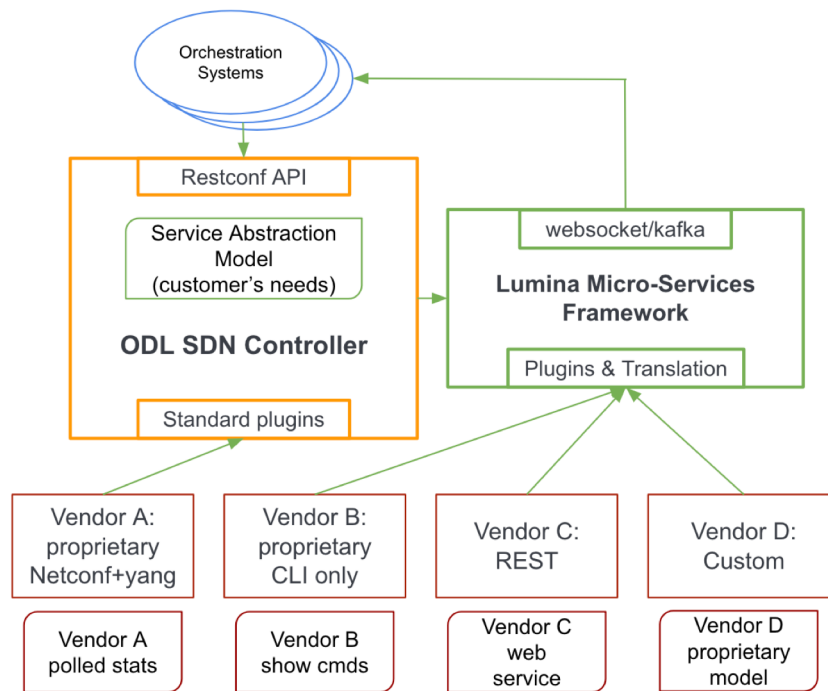


Real World Challenges

- Maintaining compatibility across multi-vendor SBI base.
- Ensuring NBI orchestrator functionality and sync.



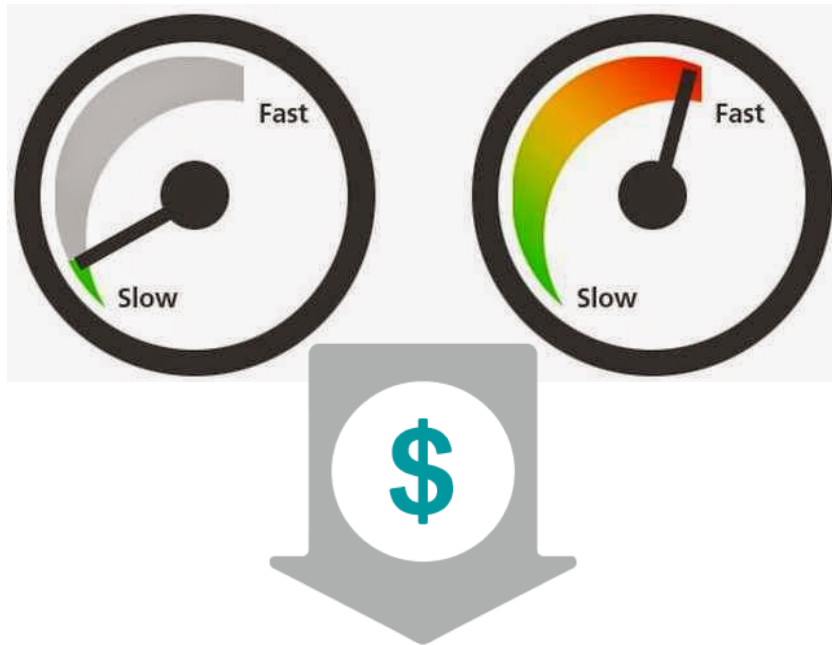
See this video clip at <https://tinyurl.com/yd29ygr7>



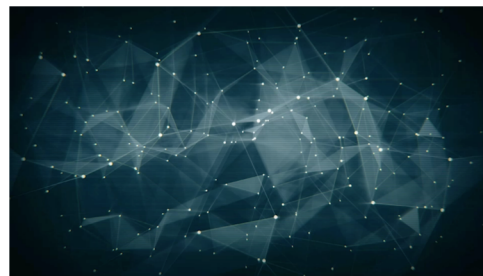


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Positive Business Outcomes



- Realized time to revenue decrease for FOA service deployment.
- Decrease in OpEx, via staff reduction, and CapEx, via pricing.



See this video clip at <https://tinyurl.com/yclr627x>





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In Closing...





Maturity Roadmap

1

REST drives a practical DevOps approach.

2

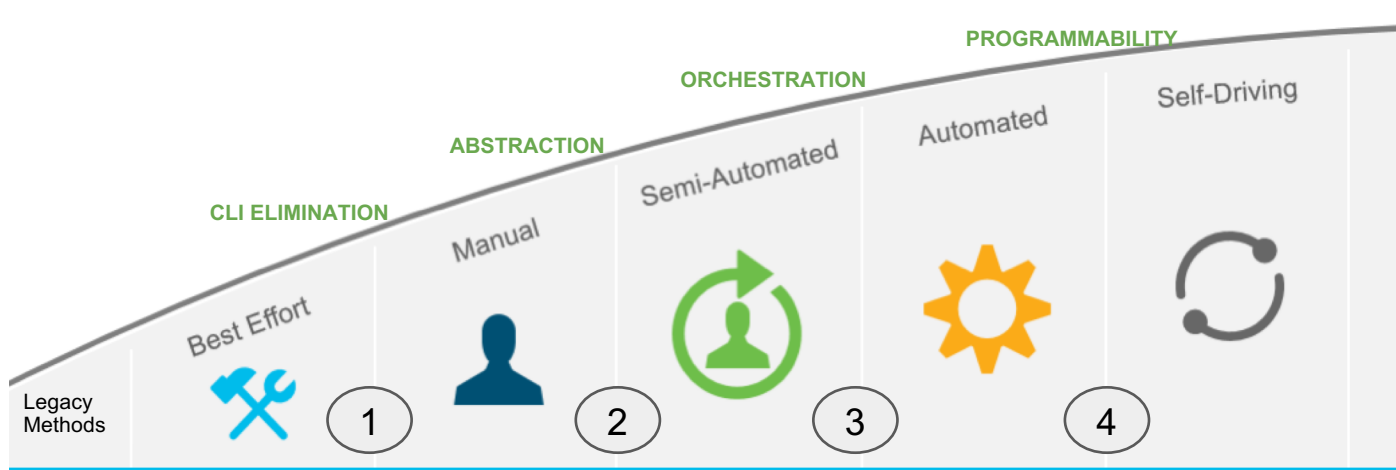
Abstraction lowers automation complexity.

3

End to end orchestration closed loop.

4

SD-Control transforms network decisions





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Thanks!

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