MY API STORY

tmforum

ENABLING A MAJOR TRANSFORMATION PROGRAM

" Open standards and APIs can result in rapid time-to-value and dramatically reduced capital costs. "

Pierre Robitaille, *System Architect – Integration and Open API Program Lead,* **Videotron**

Tell us about yourself and your job.

I am in charge of the detailed design of the Open APIs for the Helix program in Videotron.

Why do you believe in TM Forum's Open API program?

Our experience participating in TM Forum's Open API program has allowed us to build a foundation for our integration work and for our major transformation program (BSS Helix implementation) on open standards. Also having the TM Forum Chief Architect, Pierre Gauthier, living close by in the province of Quebec, Canada, allows us to have many conversations on this subject and keep us honest on how to implement these standards.

To learn more about Videotron visit:
www.videotron.com

What TM Forum Open APIs are most valuable to your company?

At the beginning of the Helix project we implemented the following Open APIs:

- Product Offering Qualification
- Product Ordering
- Product Inventory Management
- Service Qualification
- Service Activation and Configuration
- Resource Inventory Management
- Privacy Management
- Party Management
- Party Role Management
- Appointment
- Geographic Address Management
- Communication
- Document Management
- User Roles & Permission

In order to complete the project we needed to create new Open APIs, which we decided to contribute to the TM Forum community as a way to give back to the industry:

- Work Order Management
- Product Stock Management
- Product Stock Qualification
- Product Stock Reservation
- Shipment Specification Management
- Shipment Qualification Management
- Shipment Ordering Management
- Shipment Inventory Management
- Resource Reservation Management
- Warranty Management

Why did you choose to highlight those APIs?

In August 2019, Videotron launched Helix, a new technology platform to revolutionize entertainment. Prior to starting the Helix project we undertook a major Enterprise Architecture project to define the target architecture. The decision was made to follow industry standards; an open architecture and APIs; and integrated models and views (Frameworx). Those APIs were part of the initial scope of the Helix project and demonstrated how open standards and APIs can result in rapid time-to-value and dramatically reduced capital costs.

How do you use those APIs?

We fully integrated Open API Swagger files into Videotron's Enteprise Architecture tool (Sparx AE) and made Videotron-specific API extensions. We are currently working with the TM Forum Open API team and chief architect to extend our use of Open APIs. By integrating the Open APIs into our tooling we can easily evolve these APIs as the BSS projects need it. By using standard Open APIs we are able to use the same Open API between different BSS systems (Fizz and Helix).

How have you benefited from using these APIs?

The benefits of using the Open APIs for Videotron are :

1. Facilitate integration with external partners;
2. Standardize the integration patterns between the new BSS and Core systems
3. Accelerate the development process via Open APIs
4. Keep software vendors honest by using industry standards

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