

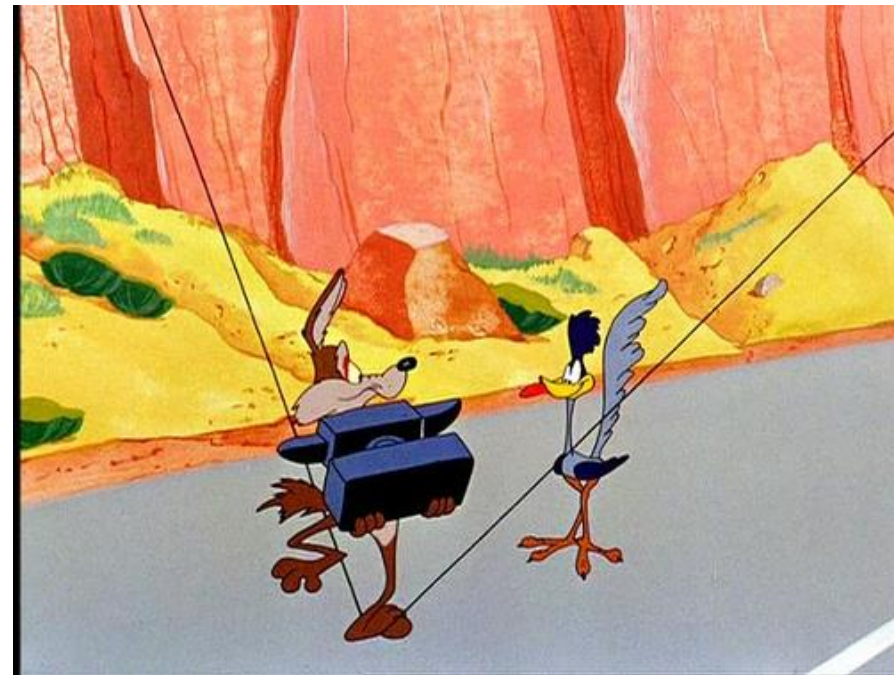
Microservices and the OSA



Open
Services
Alliance
for Media

“It’s no longer the big beating the small, but the fast beating the slow.”

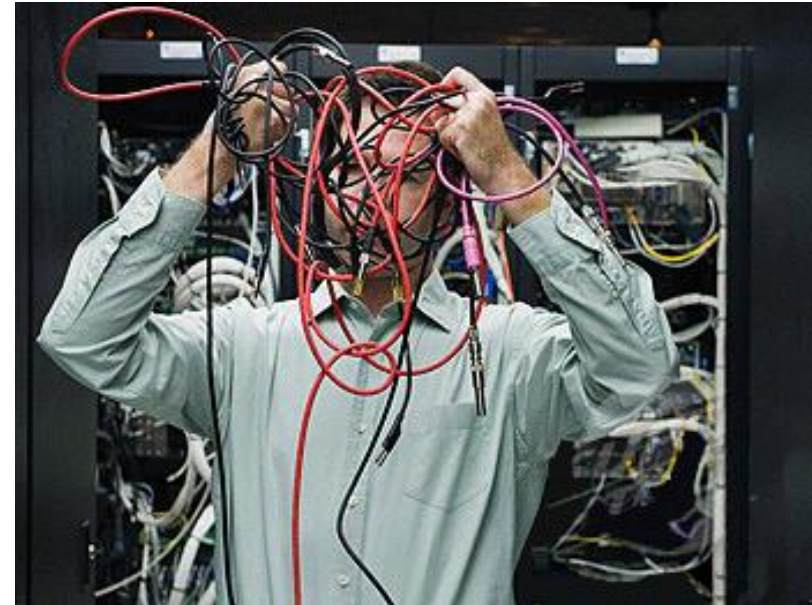
— Eric Pearson, CIO, InterContinental Hotels Group



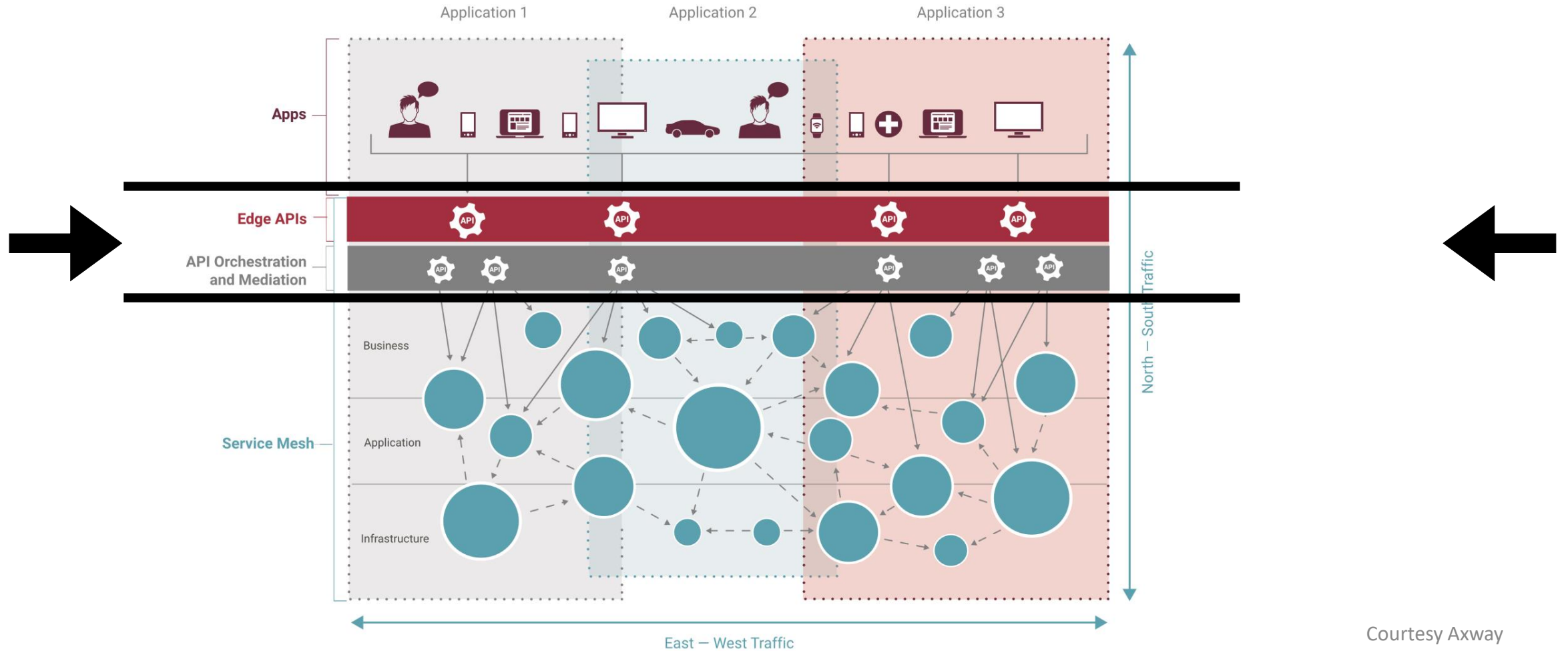
Microservices: Promise vs Reality



A Microservice is simple – Microservice
Architecture is complex

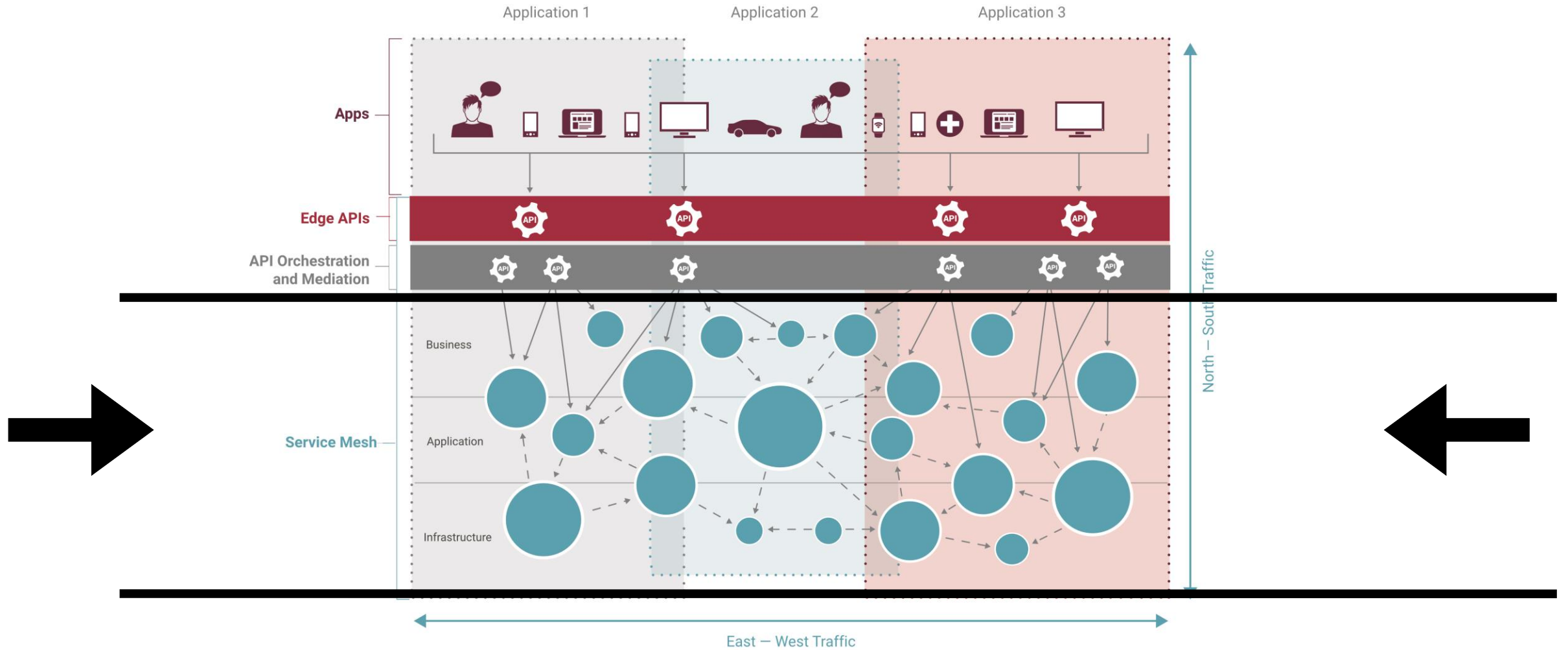


In a monolithic world, most APIs are found here



Courtesy Axway

However with microservices, most APIs are found here



Courtesy Axway

Microservice Problems – Visibility



The Big Challenge

- It's always interoperability

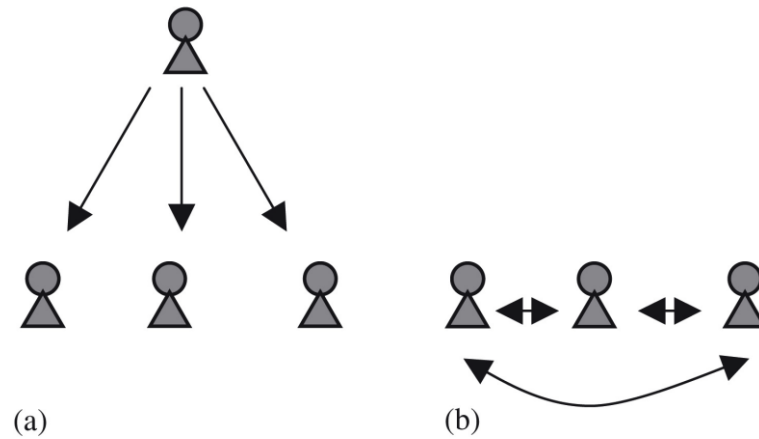
Monolithic App + Single API

Vs

Microservices and many points of potential integration

Interoperability

- Between vendors and across platforms



Tools at our disposal

- Standards
- Recommended Practices
- Engineering Guidelines
- Technical Specifications
- Industry Education
- Etc.

How To Prioritize?

- So many potential projects
- Diversity of interests
- Avoid common standardization and document publication pitfalls



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Mission Statement



The Open Services Alliance is comprised of media industry organizations worldwide and is **focused on enabling improved open interoperability** among service-based applications. We see this as critical with media systems now being hosted on cloud, multi-cloud, and on-prem platforms. Our work will support establishment of standards, best practices, registers, industry awareness and education, and any other tools at our disposal to foster cross-platform and cross-application interoperability.

Goals



- Provide a forum for users, vendors, and platform providers to work together toward **improved interoperability** among service-based applications for media
- **Develop and publish documents** as needed to further interoperability via appropriate organizations, such as SMPTE.
- **Educate** industry via appropriate means (white papers, talks/panels, presence at industry events, etc.) on the importance of open services-based interoperability among media systems

Don't Reinvent The Wheel



- Lots of good work from really smart people that we can use



Approach



- Two-pronged
 - Real-world, impactful use cases
 - Architectural Framework



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Anticipated Pilot Projects



- Standardized services for IMF
- Standardized status logging and reporting for microservices for media
- Four-layer Production Network Model (Data network, Media network, Production network layer, Application layer)
- Patterns (request, response, context data models, etc.)

Why Join?



Technical

- Head start on implementing or understanding implementations of technologies developed within the group
- Influence over what direction the effort takes
- Advanced and deeper knowledge of outputs of the group (standards, recommended practices, engineering guidelines, etc.)

Why Join?



Marketing/Visibility

- Ability to promote your organization as a leader in the area of media microservices interoperability
- Direct conduit into the influencers in media who are taking microservices seriously enough to participate in such an effort
- Networking and ability to cultivate deep relationships and potential partnerships with those influencers, who include media companies as well as vendors

Why Join?



Strategic

- Support of an initiative targeted at facilitating increased and more rapid shift of applications to microservices and the cloud
- Support of open standards approach. Standards are critical to interoperability and openness is consistent with a positive image in the industry

Contact me for details on how to join

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