



OneBusAway Workshop

Overview for TPB Regional Bus Subcommittee

Tom Fairchild and Kurt Raschke

Transit Data Integration

- What?
- Why?
- Who benefits?
- How?

What?

- One source of data
- One feed, one API
- Shared identifiers

Why?

Who runs transit in this
region?



Yes, and...





Momentum

Make it easy and intuitive to plan, pay, and ride

Metro will provide customers with accurate and timely information to navigate the region's transit network and plan their trip, including real-time information on arrivals and departures, or delays and incidents. Adopting new technologies and policies will help our customers experience an easy, intuitive and seamless trip.

Priority strategic actions underway include:

- Provide customers with accurate, clear and timely service information
- Provide readily-understandable and useful real-time information in stations, stops, and on vehicles
- Invest in the technology infrastructure to complete the journey to an intuitive, easy to use system
- Invest in communications tools and technologies to provide the next generation of information services

New priority strategic actions include:

- Provide transit riders with a regional trip planning system that works for all systems and provides real-time information in vehicles, in stations, at bus stops, and on any device
- Commit to a customer education effort to smooth the transition to an easy and intuitive system



OneBusAway



OpenTripPlanner +
OneBusAway

Who benefits?

- Riders
 - One app, one Web site
- App developers
 - One feed
- Transit agencies
 - Efficiency, cost reduction through shared services

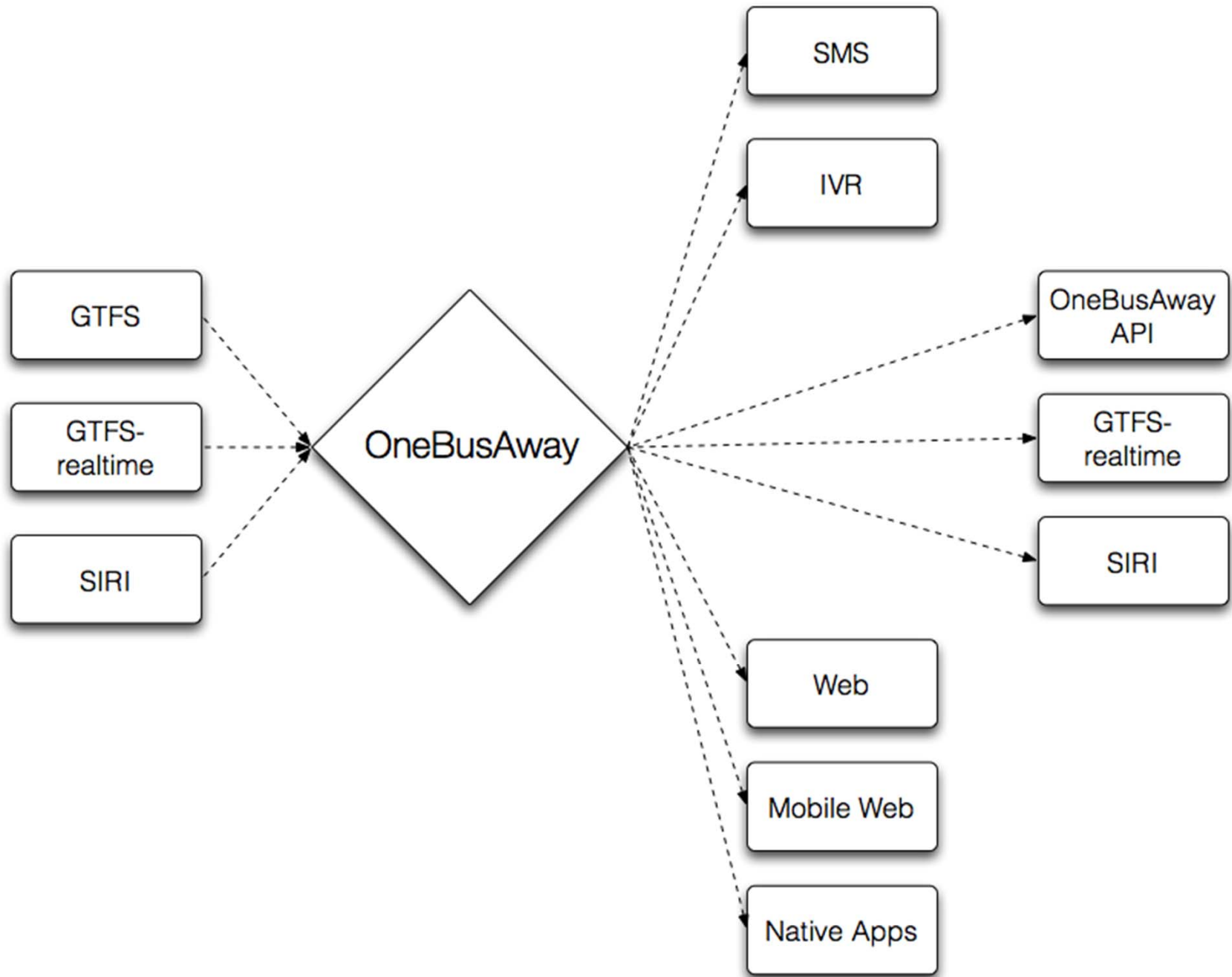
How?

- Collect static and real-time feeds, assess for quality
 - Mostly manual process
- OneBusAway (now)
- OpenTripPlanner (later)

OneBusAway

What is OneBusAway?

- Transit data infrastructure
 - Single source of truth
 - across agencies
 - across data formats
 - Unified API



Where did OneBusAway come from?

- Brian Ferris, Kari Watkins (both then of University of Washington)
- “The OneBusAway name original referred to a simple question: what can you get to that is just one bus ride away?”
- Today: international collective of open-source developers, transit researchers, contracted developers

Where is OneBusAway now?

- Puget Sound
- New York City
<http://bustime.mta.info/>
- Tampa
- Atlanta

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