



# AASHTOWare OpenAPI

**The Platform Is Growing**

Yosef Teferi (MnDOT) • Sedrick Bouknight (WSP)

2026 AASHTOWare Connect | Des Moines, IA | April 21-22, 2026

# Agenda | Why OpenAPI Matters Now

## PART 1

### SETTING THE CONTEXT

- How we got here and why it matters
- What AASHTOWare OpenAPI is
- Governance and the product operating model

## PART 2

### PROOF AT SCALE

- Who is using the platform today
- Real DOT usage, real traffic, real integrations
- What's new on the platform

## PART 3

### WHAT THIS MEANS FOR YOUR AGENCY

- Why agencies are adopting now
- How to get started
- Deeper Dives: Tech Room



# From Concept to Operating Platform

**How AASHTOWare OpenAPI moved from  
an idea to enterprise-scale reality**

2026 AASHTOWare Connect | April 21-22 | Des Moines, IA

# AASHTOWare OpenAPI Vision

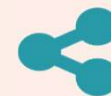
AASHTOWare OpenAPI is a core AASHTOWare service providing a governed, enterprise-scale data integration platform that enables interoperability across products, partners, and agencies while maintaining DOT control and accountability.



Enterprise  
integration layer  
for all AASHTOWare  
products



Data connectivity  
across DOT tech  
partners and Alliance  
entities



Federated access; not  
a centralized data  
repository

# AASHTOWare OpenAPI Stages

● **2016**

Initial concept presented to SCOA

● **2018**

Data integration framework project initiated

● **2019**

Data Summit and platform direction set

● **2023**

Platform goes live

● **Today**

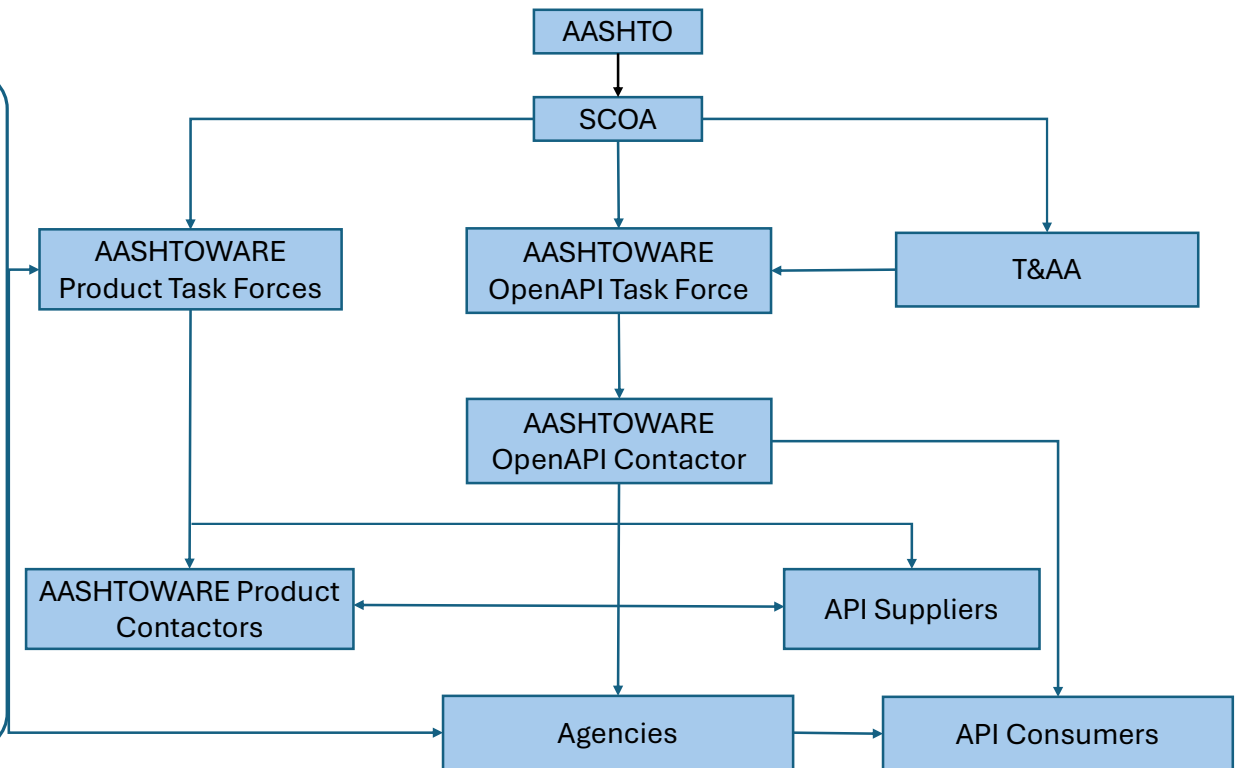
From concept to production

- Initial data integration need/concept shaped by SCOA feedback in 2016
- Project officially launched in 2018 with committed resources to id requirements/solution
- Data Summit in 2019 established foundation and strategic direction
- Platform achieved production status in 2023 with live deployments ongoing

# Coming Soon! AASHTOWare OpenAPI Task Force

## ROLE

- *Approve annual work plan*
- *Prioritize improvements*
- *Approve product releases*
- *Oversee contractor*



# AASHTOWare OpenAPI Task Force Membership

## Chair and vice-chair

## Five additional members

## Desired knowledge

- *Deep insight into how AASHTOWare data is used by members*
- *Understanding of member enterprise data management*
- *Knowledge of typical API documentation and use standards*

**INTERESTED  
TO JOIN????**

Please email  
Tim Jennings:

[tjennings@ashto.org](mailto:tjennings@ashto.org)



# From Framework to Momentum

**What adoption looks like in production**

2026 AASHTOWare Connect | April 21-22 | Des Moines, IA

## What Is AASHTOWare Open API?

A single API platform that gives your agency, and your partners, the tools to connect with AASHTOWare products.

One pattern. Every product.



## How it works

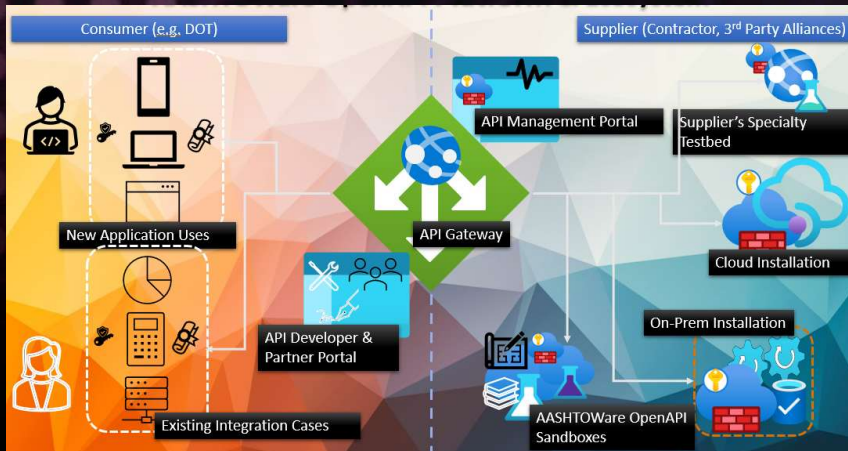
- Delivered as a single, centralized cloud platform — backed by a federated, distributed architecture that does the heavy lifting behind the scenes

## Key components of the platform

- API services that let your systems talk to AASHTOWare directly
- Runs on Microsoft Azure — built for extreme scale, monitored centrally
- Cloud-modern security posture applied end-to-end
- A developer portal for onboarding, documentation, and access keys
- Ready-made tools for configuration, integration, and automation

2026 AASHTOWare Connect | April 21-22 | Des Moines, IA

# What Does It Mean for your Agency?



- Consolidated data services — one hub instead of product-by-product silos
- One hub replaces product silos for data integration
- Works with existing installations—no rip-and-replace
- One platform across AASHTOWare Project, AASHTOWare BrM, and future products
- Compatible with modern tools your teams use
- Supports all scenarios: AASHTOWare to AASHTOWare, AASHTOWare to Enterprise, DOT-to-DOT, DOT-to-partner

# Platform Adoption (90-Day Production Snapshot)

39

State DOTs Active



117

Organizations  
Connected



356

Registered  
Users



145

GB of Data Securely  
Transferred



Production traffic across the AASHTOWare ecosystem (Nov 20, 2025 – Feb 18, 2026)

# More Numbers.....

## TRAFFIC (LAST 90 DAYS)

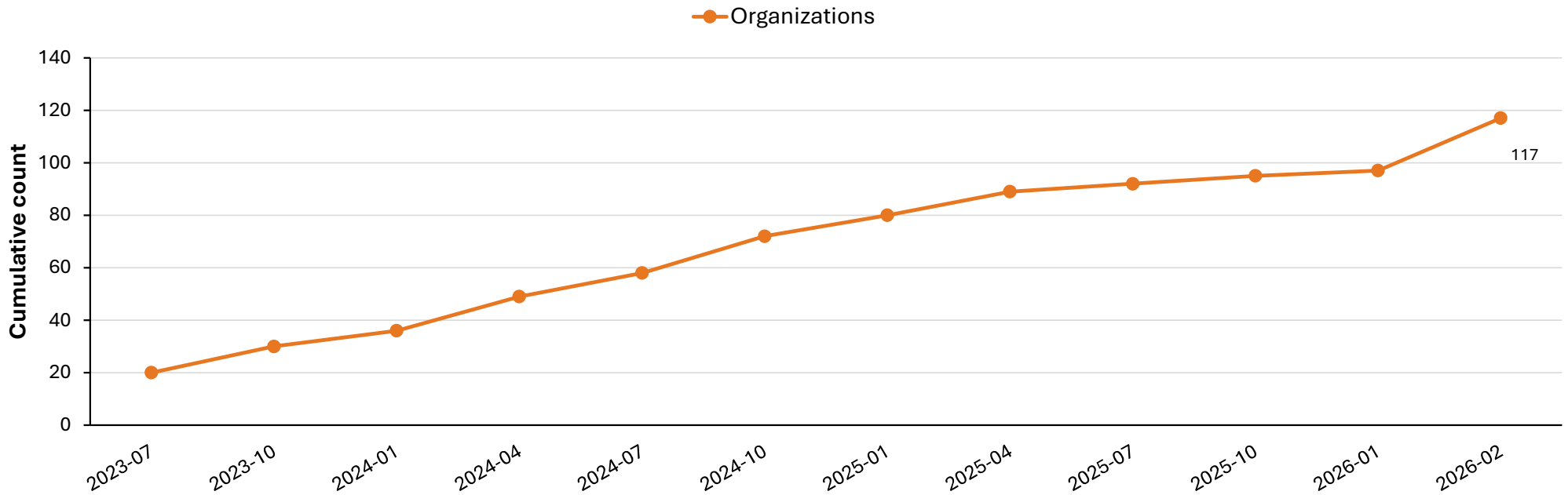
- 3.1M+ API calls
- 19 live DOT instances on AASHTOWare Project
- BrM 7.1 usage growing +3,850% since December

## PORTFOLIO

- 15 active API products
- DOT-to-DOT exchange operational

# The Ecosystem Today

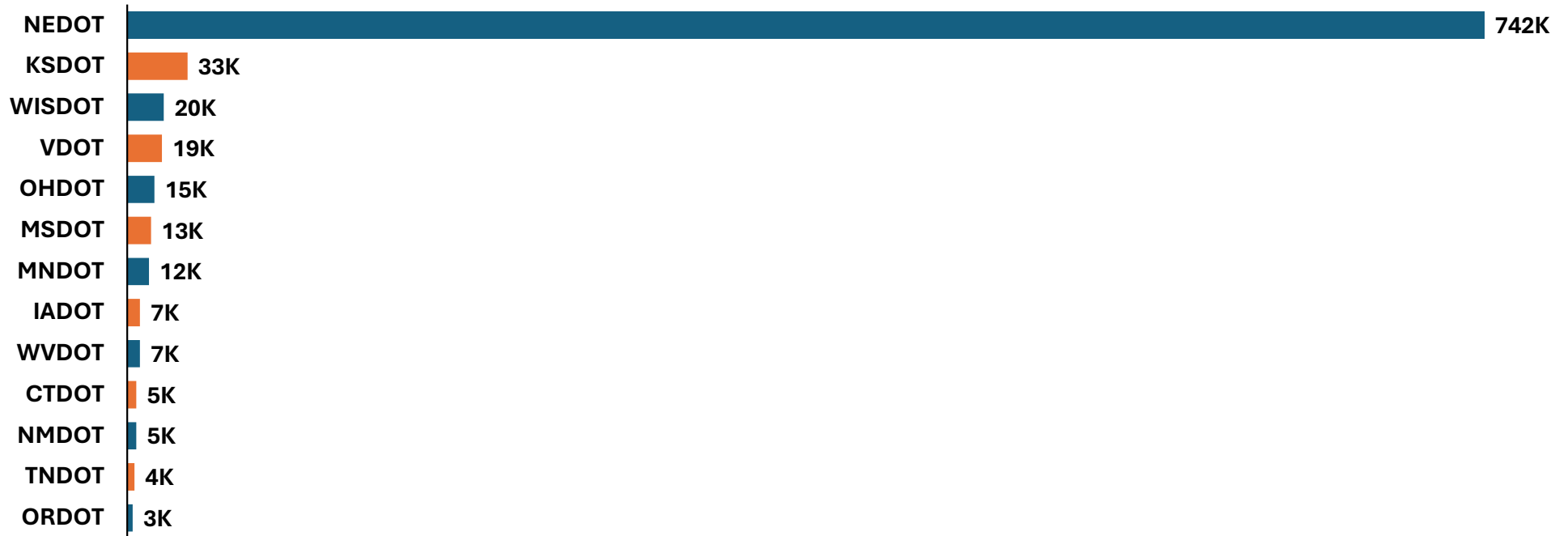
Organizations Connected — Steady Growth to 117



- 117 organizations • 356 users • 39 agencies • 19+ commercial engagements

# DOTs in Action

DOT Instance Activity — AASHTOWare Project calls, 12-month window



- NEDOT 742K calls
- KYTC → OHDOT live
- New states coming online

# What's New on the Platform

## BRM 7.1

### OPENAPI IS LIVE

- 162 endpoints, 30 domains, 105 data models — full bridge management exposed
- Migration from BrM 7 is underway; adoption ramping steeply
- 15 active API products across the portfolio

## DEVELOPER PORTAL AND ONBOARDING

- Revamped [developer.AASHTOWare.org](https://developer.AASHTOWare.org) — faster onboarding, clearer docs
- Quick-start recipes and Postman collections for every product
- AI-powered copilots for documentation, code samples, and integration help

## COMMUNITY

- Webinars, improved support, simplified lab access for prototyping

# How the Platform Is Governed

## Governance goals

Align with AASHTOWare business objectives

Improve quality and reliability

Increase security

AASHTOWare opens the gate; agencies decide who walks through the front door

Foster innovation and reuse

Lifecycle management

Moving toward consistent design across all APIs



## Stakeholders and accountability

- Clear roles across AASHTO, DOTs, and partners

## Communication channels

- Internal, external, task forces, and T&AA review paths

## Standard operating procedures

- Every API follows the same lifecycle: plan → design → review → test → release

## Nothing ships without running the path

# Greater Opportunities

## *What comes next*

The platform is live. These are the opportunities it opens for agencies choosing where to invest.



## **Unified Data Ecosystem**

- Real-time, coordinated decisions across state transportation networks

## **Accelerated Modernization**

- Rapid deployments and continuous upgrades without rearchitecting

## **Inter-Agency Collaboration**

- Seamless exchange between agencies and partners — KYTC ↔ OHDOT is live today

## **Data-Driven Decisions**

- Integrated analytics and operational insights to optimize resources

## **Future-Ready Platform**

- A resilient framework for AI, IoT, and advanced analytics as they mature

2026 AASHTOWare Connect | April 21-22 | Des Moines, IA



# Where From Here?

2026 AASHTOWare Connect | April 21-22 | Des Moines, IA

# Future Directions

- **Product-like operating model**  
SLAs, Task force-led prioritization
- **Increased Adoption**  
More users, suppliers, integrations
- **Deeper Integrations**  
Automation and advanced workflows
- **Greater Support**  
Expanded help and support for stakeholders

## The value compounds over time

- Streamlined governance
- Reliable support
- Predictable decisions, clearer accountability
- Coordinated execution at scale
- Foundation for greater adoption



# Get Started

<https://www.aashtoware.org/openapi/>  
(for more information)

Tech Room @ AASHTOWare Connect  
(for hands-on, real calls)



[developer.aashtoware.org](https://developer.aashtoware.org)  
(Developer portal)