



NEW PRODUCT ANNOUNCEMENT

FlowView PRISM API

Public Preview



October 25, 2018

ADS is pleased to announce the Public Preview of our advanced, self-service API platform. For the first time, our clients can obtain their data on their own without intervention from an ADS project team member.

The screenshot shows the Swagger UI for the 'ADS Telemetry Export API'. At the top, there is a green header with the 'swagger' logo and a dropdown menu set to 'ADS Telemetry Export API'. Below the header, the API title 'ADS Telemetry Export API' is displayed with a link to the swagger.json file. An 'Authorize' button is visible on the right. The main content area lists several API endpoints, each with a 'GET' method and a lock icon indicating authentication is required:

- Entity**: GET /api/Entity. Description: This returns back a list of entities (data properties) that can be returned by the telemetry controller. Not all entities are always available, such as hydraulic coefficient. And some entities are only available once-a-day, such as battery voltage.
- LocationGroups**: GET /api/LocationGroups. Description: Returns a grouping of locations defined within FlowView or PRISM.
- Locations**: GET /api/Locations. Description: Returns a list of ACTIVE locations where are monitor are deployed.
- Telemetry**: GET /api/Telemetry.

So, what is an API?

API stands for [Application Programming Interface](#), and is a programmatic set of subroutine definitions, communication protocols, and tools for building software. In general terms, it is a set of clearly defined methods of communication among various components of a software program. For example, our development team regularly uses “private” APIs to allow different components of FlowView PRISM to talk and work together seamlessly. A good API makes it easier to develop a computer program by providing all the building blocks, which are then put together by the programmer. The public API we are announcing today enables third party programmers to securely and easily connect to components and data within FlowView PRISM.

Our APIs offer [modern RESTful endpoints](#) that will return data in a [JSON format](#) based on query parameters (such as a date range), thus providing programmatic access to flow information such as depth, velocity, flow, battery status, alarm status, as well as the other various data entities collected by our monitoring devices. It easily integrates with system modeling platforms, analytics tools and other utility information management systems. Public documentation for our APIs are available in the [Open API \(Swagger\) specification](#). Additionally, support for bringing in data from third party monitors via their APIs is in the works and available for a private preview. If you want to participate in this private preview, [please let us know](#).

ADS is on a mission to provide trusted and advanced solutions to complex collection system problems. Making these solutions “easy” for our customers is critical, and we will help to ease the barriers to achieving a high level of collection system intelligence with our self-serve API by enabling our customers, of all sizes, to build applications that help cities use flow monitoring data in ways that meet their own unique needs.

The ADS API will be a new product offering and will be priced in a way that allows for great flexibility and choice for our clients. For FlowView PRISM paid subscription clients, the ADS API will be included as part of their subscription, and will be available to all customers under a FlowView PRISM contract. We currently are developing pricing plans for customers without a FlowView PRISM contract.

ADS is offering the Public Preview of the API free of charge to current customers using FlowView PRISM. This free trial of the API is available for a period of six (6) calendar months so long as the customer has an active FlowView PRISM subscription for the duration of the trial.

We encourage our project and sales teams to reach out to your clients with this new product offering. Discussing APIs is not difficult, but we want to make sure you are supported fully with an understanding of the technology, terminology, and potential questions that may arise in your discussions. **ADS will host an Information Exchange at 11:00 a.m. Central on October 30, 2018, to walk you through a discussion** of the ADS API and how it works. Stay tuned for the meeting invitation.

Should you have any questions, please reach out to Tim Posey (tposey@idexcorp.com) or [your Product Management team](#).