

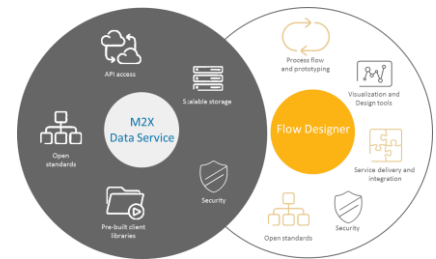


Build solutions with agility

Developer-friendly tools make it easy to create new Internet of things applications

Today, Internet of Things (IoT) applications are doing more than just monitoring the status of remote devices and equipment: they're gathering real-time data from millions of connected machines and translating it into meaningful information that enable businesses to make quick decisions, design automated systems, and conduct strategic analysis.

Creating new IoT implementations can be complex, however, because they require developer knowledge of devices, networks, and applications, and the ability to integrate these IoT components. AT&T's IoT services are designed to help meet this integration challenge by providing tools that let developers focus on the business logic of the solution without having to become an expert in each layer.



Flow Designer

Powerful visual design tool to design, build, and deploy new IoT applications

Flow Designer is a visual IoT application development environment that includes reusable components, drag & drop design capabilities, team collaboration, and cloud deployment to help IoT developers get their applications to market fast.

The visual tool enables an IoT application developer to create prototypes quickly, iterate and improve through multiple versions, then deploy the finished application to a highly-available, scalable cloud hosting environment. The visual metaphor is based on function “nodes” (each represents a discreet service) that are visually “wired” together to create application “flows.”

Flow Designer offers nodes that are pre-configured to allow easy access to multiple data sources, cloud services, device profiles, and communication methods. The integrations are already done, so the developer only needs to focus on wiring the building blocks together to create the application.

Flow Designer is built on the concepts of openness, simplicity, and re-use. As the application is wired together, the resulting flows are saved so they can be reused later, reducing development time. Built-in team and community functions mean that developers do not have to reinvent the wheel each time a new feature or a new app is needed.

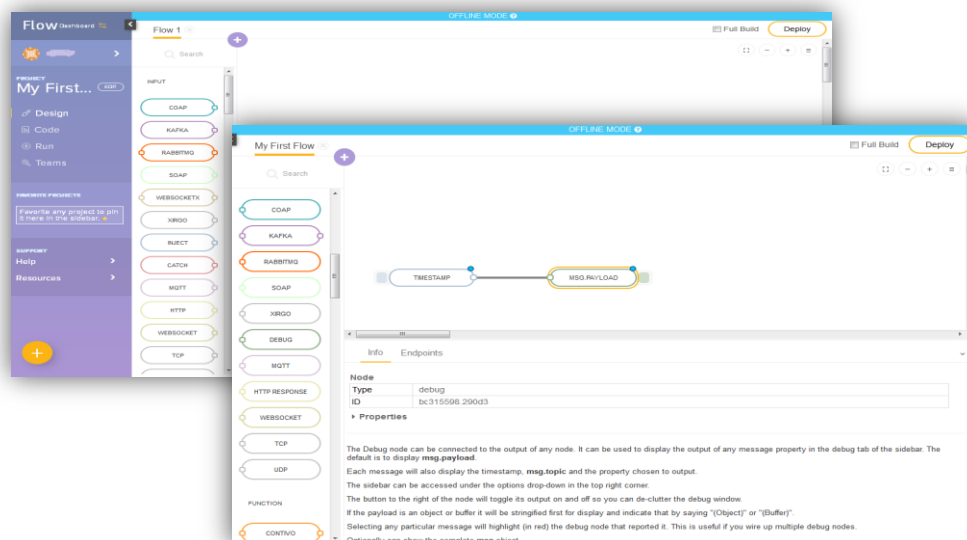
Flow Designer benefits at work

Visual design tools lets you focus on the application logic and not the underlying code

On-demand hosted environment makes it easy to scale

Library of public nodes are Open Source and available via GitHub

Manage devices from prototype to production



Flow Designer makes it easy to model the devices, communications, business logic, data storage, and security required for a connected application.



M2X Data Service

Time-series data store for the Internet of Things

AT&T M2X is a cloud-based fully managed time-series data storage service for network connected machine-to-machine (M2M) devices and the industrial Internet of Things. From trucks and turbines to vending machines and freight containers, M2X enables the devices that power your business to connect and share valuable data.

M2X provides powerful easy-to-use tools and analytics for your connected devices. Unlock your device's data with visualized, real-time analytics, targeted notifications and the tools to manage and share your data.

Manage all of your devices and data from the M2X developer portal – from concept to product launch. Industry standard data security helps to safeguard your data. Key based permissions and key management allows you to share data with the public, or to restrict access to your trusted partners.

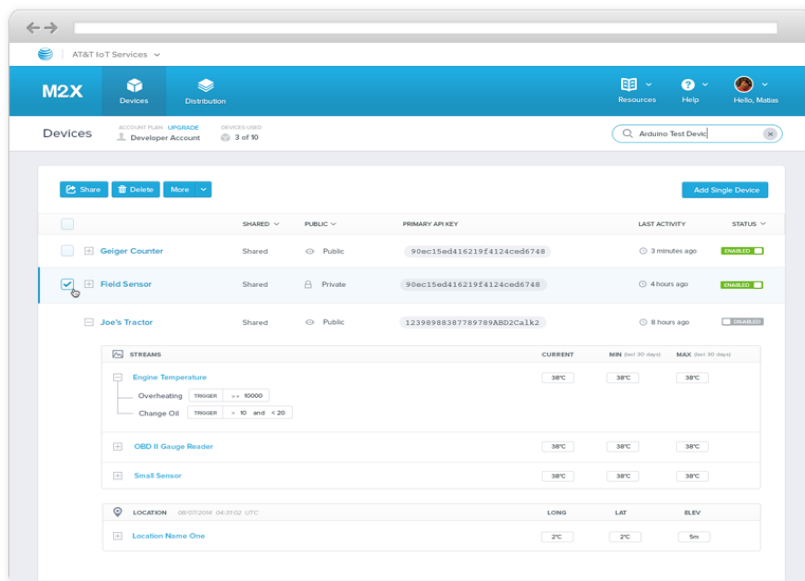
M2X benefits at work

Highly secure time-series data storage for network connected devices

Built from the ground up to handle large scale industrial applications

Includes client libraries for wide range of IoT hardware, programming languages and transfer protocols

Allows device connectivity over any network type including cellular, Wi-Fi, and satellite



The AT&T M2X API works with industry standard technologies and is flexible enough to support new technologies as they emerge.

For more information, contact an AT&T Representative or visit www.att.com/iot

