

IOT *jetstream* Cybersecurity Product Brief

IOT Jetstream, built by Buildings IOT, is a cloud-based integration platform that normalizes and exposes data from diverse in-building and cloud-based applications to provide a unified, domain-centric API consumable by myriad systems. The integration platform is secure from end to end. This document explains how that security is achieved at each data handoff point.

USER AUTHENTICATION

Leverages Okta authentication platform with building- and role-centric authorization to manage access

ENCRYPTED TRAFFIC

All external traffic is encrypted with TLS 1.2+

JSON WEB TOKENS

Uses standard JWT bearer token for representing claims securely between two parties using the industry standard RFC7519 method.

SUBNETS AND LOAD BALANCER

Incoming traffic can only enter the public subnet through an HTTPS port on the load balancer. Micro-services are in private subnets that only accept connections for the IOT Jetstream load balancer.

TLS AUTH

Mutual TLS AUTH utilized for traffic from Public Cloud to Private Cloud on top of standard TLS.