BrightBytes®

BrightBytes Cisco Umbrella Integration

The EdTech Impact solution from BrightBytes allows districts to measure student usage and the impact of education technology within their organization. A key component of the EdTech Impact platform is the data collection of educational technology applications through Cisco Umbrella.

Agent Overview

Cisco Umbrella

Type: Web Filter

Devices supported: All

Deployment method: District Deployment with Cisco

Device/OS versions supported: Any

Releases to customers: MDE and Cisco

Agent Collection Overview

The BrightBytes EdTech Impact process leverages a list of identified education tools to allow data collection for specific applications focused on education technology.

One method of usage data collection is through our partnership with Cisco Umbrella. For organizations using Cisco Umbrella, data will be collected for devices transmitting traffic through their Cisco Umbrella web content filter.

Districts can provide access to the BrightBytes team by enabling logging to a Cisco-managed S3 Bucket. Use of this utility is included in the Cisco Umbrella package available to districts. BrightBytes recommends using a US-based Storage Region and setting the Retention Duration to 7 Days. Once enabled, the Data Path, Access Key, and Secret Key can be communicated to BrightBytes through our secure credential vault. A complete set of instructions for this feature can be found on the Cisco Umbrella website.

Data Collection

Student Unique ID: The user email address or username associated with the device or browser

Organization ID: The BrightBytes internal mapping of the unique value for the organization. Typically defined in the organization token field of the deployable asset

URL Path Visited: The URL path accessed on the device.
Ex:
www.educationwebsiteexample.com/mathsample

Client Timestamp: The timestamp (according to the user's device) at the time of the event