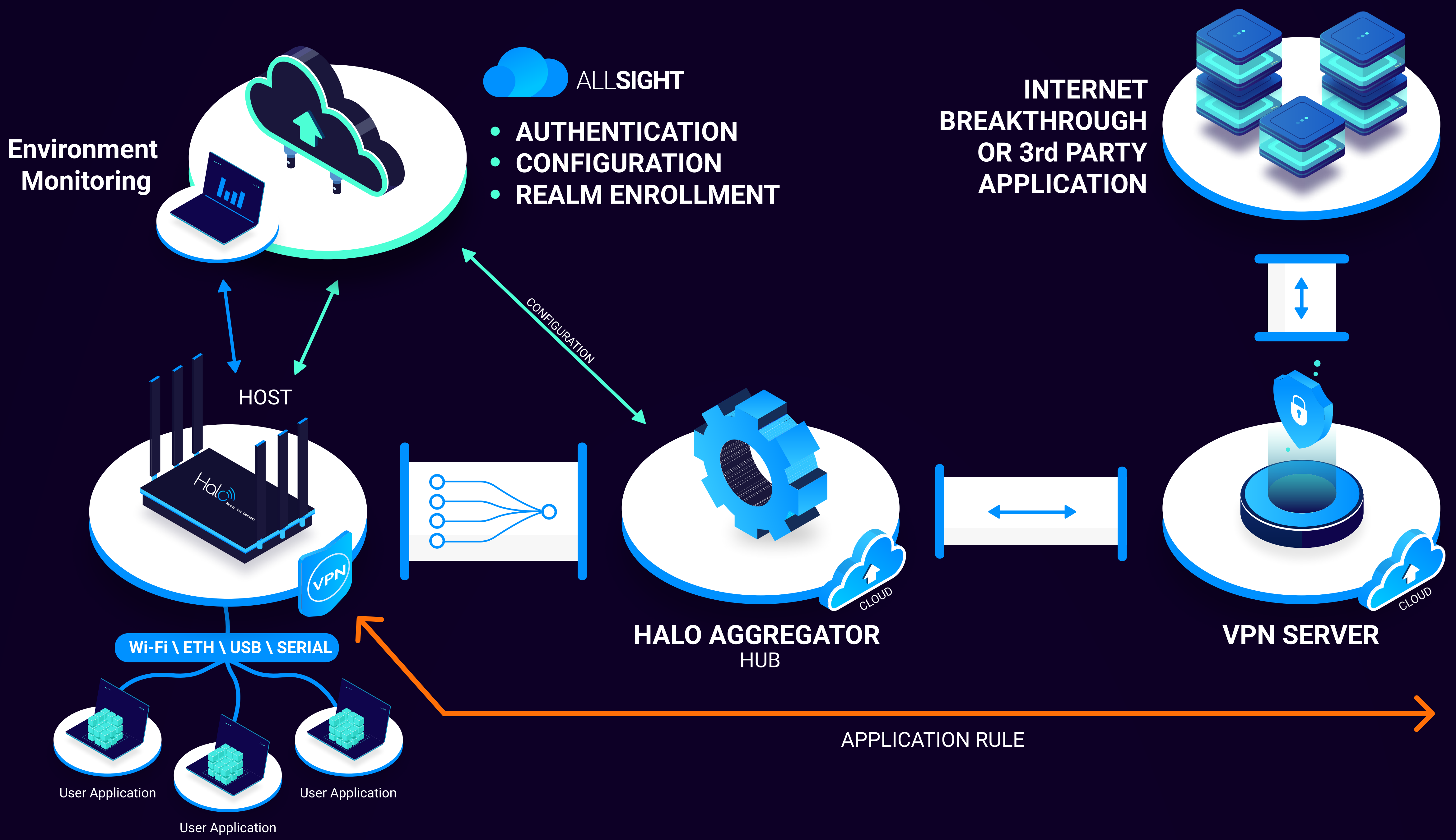


SYSTEM STRUCTURE



MAIN COMPONENTS

The system falls into 3 basic elements

1

ALLSIGHT

The ElSight Cloud Platform provides the authentication, configuration, monitoring and logging.

It usually consists of 2 separate servers

1. Main server for the environment monitoring and configuration
2. An authentication and configuration server which supports the Halo host devices. The realm environment will be defined there.

2

HOST 2 HUB

The host is the Halo communication platform which breaks the data into separate data streams and transmits those streams over multiple IP links. The Hub is the Halo aggregator, which reassembles the data for final transmission to the endpoint. Note that in some cases, for example a P2P connection, the Halo hardware can be both the Host and the Hub.

3

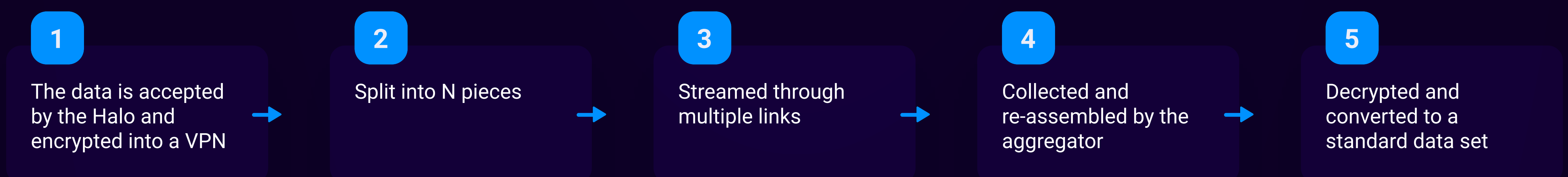
USER APP

This is the 3rd party space, will usually include a VPN server.

The application rules, which are configured via the Cloud Platform, define the functionality and relationships of all 3 elements.

DATA FLOW

Any given piece of data will go through the following path



IMPORTANT TO NOTICE

The flow is bi-directional. The same code runs on the Halo and on the aggregator. The Halo runs it on the edge device (the Halo FW) and the aggregator will usually run on ElSight's cloud or the customer's cloud. There are many different network architectures that can be configured, in some both aggregation services will run on Halo devices and in some, one of the aggregators will run on the cloud.

STAR TOPOLOGY EXAMPLE

The Halo will receive data packets from a computer, split it into 4 cellular links and send. The aggregator will collect the pieces and re-assemble them into a known protocol and send to the VPN server, from there to the internet destination.

In the other direction, the Aggregator will get the data from the Internet and split it into N pieces, send over 4 cellular links and the Halo will reassemble them and decrypt.