

Efficient and effective IoT device management solution

UMD Chariot™ is a cloud service that collates *edgware device* data into a unified stream that can be distributed to multiple *Applications* whilst also providing device asset management. Its key feature is to abstract data source and device management from Applications, reducing this operational burden. UMD Chariot™ is based on a “Broker” architecture which is designed for large scale IoT device deployments.

Application Service To Transform Your Data Landscape

UMD Chariot™ supports connections with multiple Applications (both UMD and third party Applications) which enable additional logic and data automation to be applied to the streamed Edgware Device data. These operate independently of UMD Chariot™, using their own databases, logic and user interface. UMD has Applications that it hosts, such as UMD *RACE-ware*, an RFID and barcode asset tracking system which can be configured as middleware to support RFID in legacy applications. Importantly, UMD Chariot™ can be used to enhance **your** Applications, such as Enterprise Asset Management Systems, to:



Remove Edgware Device management and data collection concerns from the Application.



Expand the functional capability of the Application.



Convert “passive assets” into “smart assets” by adding monitored attributes.



Extend geographic reach using cloud technology.



Analyse and action field data.



Provide users real time visibility, allowing timely decision making.



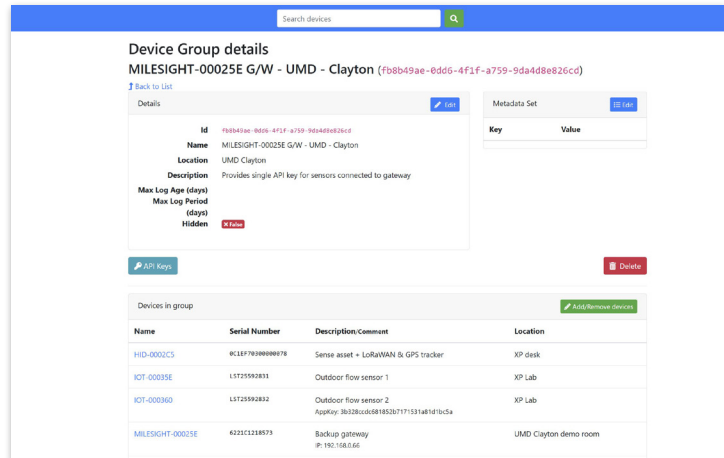
Enhance insights using other data sources streamed from UMD Chariot™.



Unify data sources to a single common output stream.

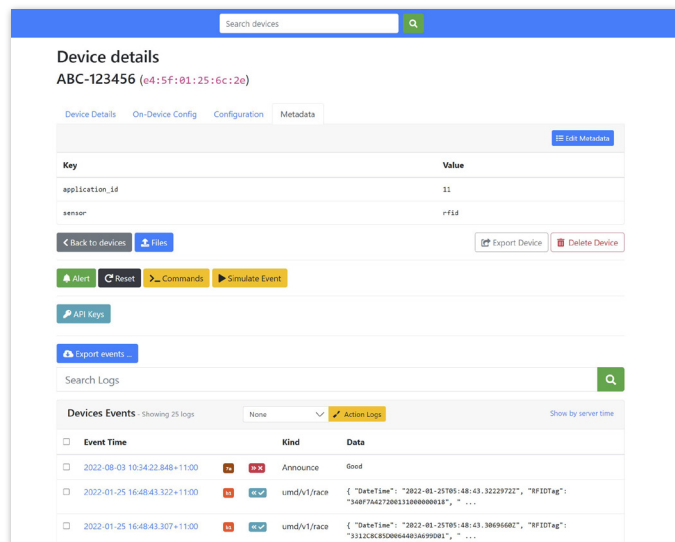
Device Groups

Device Groups provide logical groupings of Edgware Devices for easy identification and management. Group Metadata parameters which are associated with all devices in the group. A Group API key can be shared with all devices in the group allowing a simple and secure device rollout.



Metadata

Addition of arbitrary Key Value Pair parameters to individual device records and Device Groups. e.g. "application_id = 11"

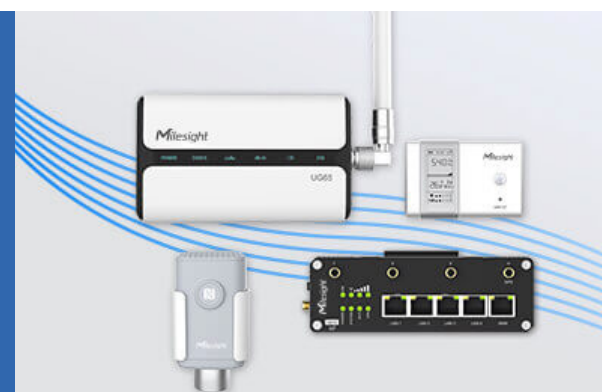


Device Authentication and Security

Device authentication: UMD Chariot™ removes the burden of individual Edgware Device authentication from Applications, allowing quick integration. UMD Chariot™ is the secure source of trust for Edgware Devices.

Security: HTTPS encrypted communications and a secure hosted environment protect your data.

Monitor, analyse, manage, optimise your Edgware Devices



UMDCHARIOT™ Architecture

