

VERTEX: THE RELAYR FOG SOLUTION FOR INDUSTRIAL INTERNET OF THINGS



OVERVIEW


Vertex by relayr is the hardware-agnostic IoT Fog software designed to run on any gateway. Vertex enables a distributed architecture to aggregate data from IoT devices including communicating with existing legacy protocols and infrastructure. Vertex also manages the behavior of the end points through relayr's continuously learning and dynamic rules engine.

With its local version of the relayr rules engine, Vertex supports real-time and aggregated data management, and supports autonomous decision making. Vertex communicates data to the relayr cloud middleware in real time or in cost optimized batching, compression.

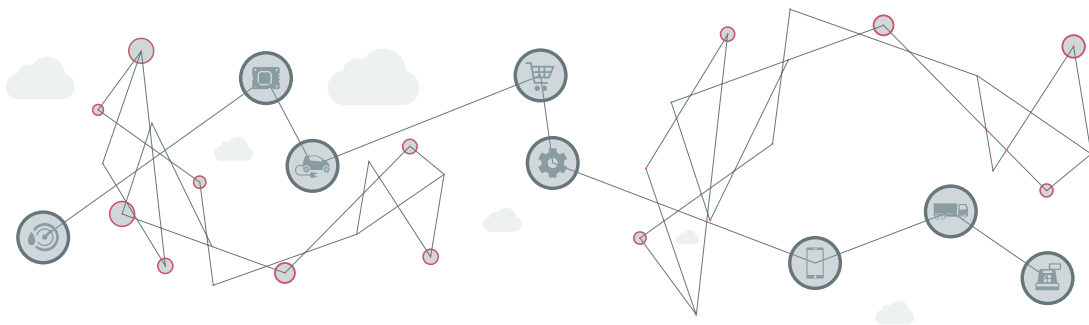
The collaboration between Vertex and the relayr cloud middleware enables optimised dashboards and analytics while keeping data transfer costs at a minimum. This Fog and cloud architecture is key for an effective distributed Industrial IoT architecture.



WHY VERTEX IS IMPORTANT FOR INDUSTRIAL IoT?

LEGACY INTEGRATION	Retrofit existing equipment for IoT with relayr adapters	 VERTEX
DATA MANAGEMENT, ANALYTICS	Local data management and distributed analytics across edge gateways and cloud in a distributed architecture	
IMPROVED SECURITY	Create single node on network with Internet access	
REDUCED OPEX COSTS	Configurable data management to optimise bandwidth usage	
NO OPERATIONAL CLOUD DEPENDANCE*	Processing data, take actions at edge nodes when cloud is not available	

*Once configured



Experience a few key features of Industrial IoT Fog IoT Starter Kit:

1) Manage data and apply actions locally, even when cloud is not available

COMING UP SOON

- 2) Edge Storage and Data Management for reliable data flow to the relayr cloud
- 3) Auto-discovery of sensors at the edge gateway

