# Healing the fragmentation to realise the full potential of the IoT

**Abstract:**

The IoT remains fragmented with myriad standards and incompatible solutions. Some of the complexity reflects varying requirements at the network edge, but the rest is an accidental consequence of development in isolated communities. W3C is approaching this in two ways: first: the Web of Things is an abstraction layer for digital twins that decouples services from the underlying protocols, second: a uniform framework for data and metadata that enables incremental integration of services. New work is addressing the integration of statistics to mimic human cognition, and business opportunities based upon data sovereignty and delegated trust.