

IOT DATA AND METADATA STANDARDS MAP: CURRENT STATUS

Discovery	Ingestion	Exchange	Modeling	Consumption
Descriptions	Encoding	Protocols	Semantics	Query
W3C: RDF Schema/SHACL			W3C: RDF/JSON-LD	W3C: SPARQL
W3C: WoT Thing Descriptions			OGS: O&M	W3C: OWL
LF: Swagger/OpenAPI			iot.schema.org	
RAML			Haystack	
Microsoft: DTDL			W3C: SSN	
W3C: HTML		IETF: HTTP	ETSI: NGSI-LD	
		IETF: CoAP		
JSON Schema			OCF: oneiota	SQL
OPC-UA			Zigbee	
OPC-UA XML Schema		OMG: DDS	ZWave	
Oasis: TOSCA/UDDI		Oasis: MQTT	LwM2M/IPSO	
Oasis: SAML	IETF: CBOR	Oasis: AMQP	OneM2M	IETF: COIN
	IETF: JSON	IETF: ICN	One Data Model	
	W3C: XML		IETF: YANG	
	YAML			
		IETF: IP/TCP/UDP		

CRUD(N)

Pub/Sub

RDF

Relational

Structured

OCF

Other

Emerging

