



OASIS Liaison Report to ISO/IEC JTC 1/SC38

February 2022

The following report is provided in connection with SC38's upcoming meeting, as a status report on matters of mutual interest. Information about OASIS generally can be found at <http://www.oasis-open.org>.

This report includes some incremental releases and updates of works previously reported.

The **OASIS Topology and Orchestration Specification for Cloud Applications (TOSCA)** continues to serve as a baseline taxonomy and topology vocabulary for many cloud computing installations, particularly in cross-platform and cross-vendor contexts. Its elements and models have been picked up and reused in a number of other SDO works, including NFV specifications. The technical committee is active in testing its model against (the ever-growing list of) new types of implementations, and in refining and expanding its Simple Profile in YAML, which appears to be a widely-used serialization for inter-cloud work. <https://docs.oasis-open.org/tosca/TOSCA-Simple-Profile-YAML/v1.3/os/TOSCA-Simple-Profile-YAML-v1.3-os.html> Feedback is welcome on whether the OASIS Standard should be submitted for transposition to JTC 1.

Information generally at <https://www.oasis-open.org/committees/tosca> and the implementation videos series can be found at <https://www.oasis-open.org/tosca-implementation-stories/>

The **OASIS Message Queuing Telemetry Transport (MQTT) TC** successfully submitted its lightweight, IoT messaging specification v3.1.1 using “pub/sub” (publish/subscribe) methods for JTC 1 PAS transposition as ISO/IEC IS 20922. An updated MQTT Version 5 has been issued by the TC. <https://www.oasis-open.org/news/announcements/mqtt-v5-0-committee-specification-02-approved-published/> Feedback is welcome on whether this revision also should be submitted for transposition to JTC 1.

Information generally at <https://www.oasis-open.org/committees/mqtt>

The **OASIS Advanced Message Queuing Protocol (AMQP) TC** produced its base v1.0 specification for a lightweight binary wire messaging protocol and successfully submitted it for JTC 1 PAS transposition as ISO/IEC IS 19464. AMQP continues to produce extensions for security, event streams and additional functions and use cases. <https://www.oasis-open.org/2021/04/01/invitation-to-comment-on-three-new-amqp-specifications/> <https://docs.oasis-open.org/amqp/linkpair/v1.0/cs01/linkpair-v1.0-cs01.html> <http://docs.oasis-open.org/amqp/soleconn/v1.0/cs01/soleconn-v1.0-cs01.html>

Information generally at <https://www.oasis-open.org/committees/amqp>

The **OASIS Open Data Protocol (OData) TC's** OData v4.0 and OData JSON Format v4.0, a standardized set of API-friendly REST query protocols for data handling and exchange across clouds and databases, were successfully submitted for JTC 1 transposition as ISO/IEC 20802-1 (core, XML) and 20802-2 (JSON). The TC has recently updated these standards: <http://docs.oasis-open.org/odata/odata/v4.01/os/part1-protocol/odata-v4.01-os-part1-protocol.html> <http://docs.oasis-open.org/odata/odata-json-format/v4.01/os/odata-json-format-v4.01-os.html> Feedback is welcome on whether these revisions also should be submitted for transposition to JTC 1.

A number of other OData extensions and improvements (including CSDL and time-dependent data) also have been issued. Information generally at <https://www.oasis-open.org/committees/odata>

The **OASIS Cloud Application Management for Platforms (CAMP) TC** completed its work after issuing several REST-based, API-relevant cloud management specifications. Information generally at <https://www.oasis-open.org/committees/camp>

Respectfully submitted,
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