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*Technologies de l'information — Spécification du protocole avancé de
mise en file d'attente de messages (AMPQ) v1.0*

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Additional artifacts:

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- Part 1: Types - AMQP type system and encoding
<http://docs.oasis-open.org/amqp/core/v1.0/os/amqp-core-types-v1.0-os.xml> (Authoritative)
<http://docs.oasis-open.org/amqp/core/v1.0/os/amqp-core-types-v1.0-os.html>
- Part 2: Transport - AMQP transport layer
<http://docs.oasis-open.org/amqp/core/v1.0/os/amqp-core-transport-v1.0-os.xml> (Authoritative)
<http://docs.oasis-open.org/amqp/core/v1.0/os/amqp-core-transport-v1.0-os.html>
- Part 3: Messaging - AMQP Messaging Layer
<http://docs.oasis-open.org/amqp/core/v1.0/os/amqp-core-messaging-v1.0-os.xml> (Authoritative)
<http://docs.oasis-open.org/amqp/core/v1.0/os/amqp-core-messaging-v1.0-os.html>
- Part 4: Transactions - AMQP Transactions Layer
<http://docs.oasis-open.org/amqp/core/v1.0/os/amqp-core-transactions-v1.0-os.xml> (Authoritative)
<http://docs.oasis-open.org/amqp/core/v1.0/os/amqp-core-transactions-v1.0-os.html>
- Part 5: Security - AMQP Security Layers
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<http://docs.oasis-open.org/amqp/core/v1.0/os/amqp-core-security-v1.0-os.html>
- XML Document Type Definition (DTD)
<http://docs.oasis-open.org/amqp/core/v1.0/os/amqp.dtd> (Authoritative)

Related work:

This specification replaces or supersedes:

- AMQP v1.0 Final, 07 October 2011. <http://www.amqp.org/specification/1.0/amqp-org-download>

Abstract:

The Advanced Message Queuing Protocol (AMQP) is an open internet protocol for business messaging. It defines a binary wire-level protocol that allows for the reliable exchange of business messages between two parties. AMQP has a layered architecture and the specification is organized as a set of parts that reflects that architecture. Part 1 defines the AMQP type system and encoding. Part 2 defines the AMQP transport layer, an efficient, binary, peer-to-peer protocol for transporting messages between two processes over a network. Part 3 defines the AMQP message format, with a concrete encoding. Part 4 defines how interactions can be grouped within atomic transactions. Part 5 defines the AMQP security layers.

Status:

This document was last revised or approved by the membership of OASIS on the above date. The level of approval is also listed above. Check the "Latest version" location noted above for possible later revisions of this document.

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Part 0: Overview

0.1 Introduction

The Advanced Message Queuing Protocol is an open internet protocol for business messaging.

AMQP is comprised of several layers. The lowest level defines an efficient, binary, peer-to-peer protocol for transporting messages between two processes over a network. Above this, the messaging layer defines an abstract message format, with concrete standard encoding. Every compliant AMQP process **MUST** be able to send and receive messages in this standard encoding.

0.1.1 Terminology

The key words “**MUST**”, “**MUST NOT**”, “**REQUIRED**”, “**SHALL**”, “**SHALL NOT**”, “**SHOULD**”, “**SHOULD NOT**”, “**RECOMMENDED**”, “**MAY**”, and “**OPTIONAL**” in this specification are to be interpreted as described in IETF RFC 2119 [RFC2119].

The authoritative form of the AMQP specification consists of a set of XML source documents. These documents are transformed into PDF and HTML representations for readability. The machine readable version of the AMQP DTD describes the XML used for the authoritative source documents. This DTD includes the definition of the syntax used in the excerpts of XML presented in the PDF and HTML representations.

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AMQP Capabilities Registry: Delivery Annotations

<http://www.amqp.org/specification/1.0/delivery-annotations>

[AMQPDISTMODE]

AMQP Capabilities Registry: Distribution Modes

<http://www.amqp.org/specification/1.0/distribution-modes>

[AMQPFILTERS]

AMQP Capabilities Registry: Filters

<http://www.amqp.org/specification/1.0/filters>

[AMQPFOOTER]

AMQP Capabilities Registry: Footer

<http://www.amqp.org/specification/1.0/footer>

[AMQPLINKCAP]

AMQP Capabilities Registry: Link Capabilities

<http://www.amqp.org/specification/1.0/link-capabilities>

[AMQPLINKPROP]

AMQP Capabilities Registry: Link Properties

<http://www.amqp.org/specification/1.0/link-properties>

[AMQPLINKSTATEPROP]

AMQP Capabilities Registry: Link State Properties

<http://www.amqp.org/specification/1.0/link-state-properties>

[AMQPMESSANN]

AMQP Capabilities Registry: Message Annotations

<http://www.amqp.org/specification/1.0/message-annotations>

[AMQPNODEPROP]

AMQP Capabilities Registry: Node Properties

<http://www.amqp.org/specification/1.0/node-properties>

[AMQPSESSCAP]

AMQP Capabilities Registry: Session Capabilities

<http://www.amqp.org/specification/1.0/session-capabilities>

[AMQPSESSPROP]

AMQP Capabilities Registry: Session Properties

<http://www.amqp.org/specification/1.0/session-properties>

[AMQPSOURCECAP]

AMQP Capabilities Registry: Source Capabilities

<http://www.amqp.org/specification/1.0/source-capabilities>

[AMQPTARGETCAP]

AMQP Capabilities Registry: Target Capabilities

<http://www.amqp.org/specification/1.0/target-capabilities>