

AS2 vs. AS4

Key Features and Functionalities Comparison

AS2

AS4

HTTP/HTTPS


Protocol

SOAP/HTTP

MIME (Multipurpose Internet Mail Extensions)


Message Packaging

SOAP (Simple Object Access Protocol)

S/MIME and Digital Signatures


Security Standards

Web Services Security standards (WS-Security)

Ensured through digital signatures


Message Integrity

Ensured through WS-Security

Supported via S/MIME


Encryption

Supported via WS-Security

Message Disposition Notification (MDN) receipts for delivery confirmation


Reliability

Reliable messaging features with acknowledgment receipts & retry mechanisms

MDN based confirmation


Non-Repudiation

Evidence of message delivery and receipt

Synchronous, Asynchronous and push-based messaging


Message exchange patterns

Synchronous and asynchronous, supports both push and pull messaging

Can become less efficient with large volumes and payloads


Scalability

Designed to handle large volumes and diverse payloads efficiently

Generally simpler to implement


Complexity

Relatively complex, require knowledge of web services and WS-Security

Lower initial costs due to simplicity and existing infrastructure


Implementation Cost

Higher initial costs due to complexity and new infrastructure requirements

Widely adopted in industries like retail and automotive


Adaptation

Gaining popularity in industries transitioning to modern web services

AS2 Connection as a service for B2B EDI File Transfer

www.mftgateway.com

