

[MS-AIPS]: Authenticated Internet Protocol

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Errata are subject to the same terms as the Open Specifications documentation referenced.

Errata below are for Protocol Document Version [V25.0 – 2015/10/16](#).

Errata Published*	Description
2016/06/27	<p>In Section 3.10.4.1, New Connection Initiated, updated the product behavior note to include all the relevant products.</p> <p>Changed from:</p> <p>If the IsAuthenticatedFirewallConnection flag is set to TRUE in the connection state table entry corresponding to the connection, the first packet of every new connection (that is, the first packet sent by the connection initiator after creating the new entry in the connection state table) MUST be sent twice: initially with IPsec encapsulation and then again without IPsec encapsulation. These messages are known as the ESP SYN and cleartext SYN messages, respectively.</p> <p><22> Section 3.10.4.1: It is possible for the cleartext SYN message to be received before the ESP SYN message. If this scenario occurs, a common practice for the server is to drop both messages, after which the client must attempt to reconnect. This reconnection attempt will delay a connection by approximately three seconds. For inbound TCP connections where NAT-T is not enabled, Windows can be configured to decrypt the ESP SYN message and send it up the stack as if it were the cleartext SYN message. By taking this action, the client is not required to reconnect. Windows Server 2012 R2 with [MSKB-3023555] and all subsequent versions of Windows according to the applicability list at the beginning of this section support this behavior.</p> <p>Changed to:</p> <p>If the IsAuthenticatedFirewallConnection flag is set to TRUE in the connection state table entry corresponding to the connection, the first packet of every new connection (that is, the first packet sent by the connection initiator after creating the new entry in the connection state table) MUST be sent twice: initially with IPsec encapsulation and then again without IPsec encapsulation. These messages are known as the ESP SYN and cleartext SYN messages, respectively.</p> <p><22> Section 3.10.4.1: It is possible for the cleartext SYN message to be received before the ESP SYN message. If this scenario occurs, a common practice for the server is to drop both messages, after which the client must attempt to reconnect. This reconnection attempt will delay a connection by approximately three seconds. For inbound TCP connections where NAT-T is not enabled, Windows can be configured to decrypt the ESP SYN message and send it up the stack as if it were the cleartext SYN message. By taking this action, the client is not required to reconnect. Windows 8.1 and Windows Server 2012 R2 that have [MSKB-3023555], as well as Windows 10 and Windows Server 2016 support this behavior."</p>

*Date format: YYYY/MM/DD

