

Sterling Connect:Direct



SHA-2 Support

Version 5.2

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Note

Before using this information and the product it supports, read the information in "Notices" on page 3.

This edition applies to Version 5 Release 2 of IBM Sterling Connect:Direct and to all subsequent releases and modifications until otherwise indicated in new editions.

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Contents

SHA-2 support for Sterling Connect:Direct	1
Notices	3

SHA-2 support for Sterling Connect:Direct

If you want to use SHA-2 certificates with IBM® Sterling Connect:Direct® Secure Plus, you must consider which nodes support SHA-2 certificates. If you use IBM Sterling Secure Proxy to secure a session that uses SHA-2 certificates, be sure to use a version of that software that supports SHA-2 certificates.

Sterling Connect:Direct SHA-2 compatibility

If a Sterling Connect:Direct SNODE supports SHA-2 certificates and uses a SHA-2 key certificate and the PNODE does not support SHA-2 certificates, the session fails. If the Sterling Connect:Direct PNODE supports SHA-2 certificates and uses a SHA-2 key certificate and the SNODE does not support SHA-2 certificates, the session fails if client authentication is enabled.

SHA-2 compatibility works the same way with Sterling Secure Proxy as it does with Sterling Connect:Direct. However, Sterling Secure Proxy acts as a client instead of a PNODE and acts as a server instead of an SNODE.

Table 1. SHA-2 certificate configuration scenarios

PNODE (Client)	SNODE (Server)	Client authentication enabled?	Session outcome
Supports SHA-2 certificates Configured to use SHA-2 certificate	Supports SHA-2 certificates Configured to use SHA-2 certificate	Yes	Succeeds
Supports SHA-2 certificates Configured to use SHA-2 certificate	Supports SHA-2 certificates Configured to use SHA-2 certificate	No	Succeeds
Supports SHA-2 certificates Configured to use SHA-2 certificates	Does not support SHA-2 certificates	Yes	Fails
Supports SHA-2 certificates Configured to use SHA-2 certificates	Does not support SHA-2 certificates	No	Succeeds
Does not support SHA-2 certificates	Supports SHA-2 certificates Configured to use SHA-2 certificate	Yes	Fails
Does not support SHA-2 certificates	Supports SHA-2 certificates Configured to use SHA-2 certificate	No	Fails

SHA-2 compatible software

The following versions of Sterling Connect:Direct and Sterling Secure Proxy support SHA-2 certificates:

Table 2. SHA-2 Compatible Software

Software	Version
Sterling Connect:Direct for z/OS [®]	All versions
Sterling Connect:Direct for UNIX	4.1.0 or later, 4.0.00 with 04Mar2011 maintenance or later
Sterling Connect:Direct for Microsoft Windows	4.6.0 or later, 4.5.01 or later, 4.5.00 Patch 035 or later, 4.4.01 or later, 4.4.00 Patch 068 or later
Sterling Secure Proxy	3.4.1 or later
Sterling Connect:Direct for HP NonStop	3.6.0.1 and later
Sterling Connect:Direct for i5/OS [™]	3.7.0 and later

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