



J.P.Morgan

Developer Center



TLS v1.2 and SHA-2

Does your payment processing solution connect to Chase over the Internet?

If so, you must take steps to update it before May 31, 2017.

[Click here for general information on data communications security and why TLS v1.2 with SHA-2 is required.](#)

FAQ: Updating Your Payment Processing Solution with SHA-2 and TLS v1.2

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What is SHA-2 and why do I need to update my payment processing solution?

Secure Hash Algorithm-2 (SHA-2) is a more secure algorithm designed to better protect your customers' information. Because we're implementing the new SHA-2 standards, your payment solution's software needs to be updated to continue processing payments.

Potential weaknesses have been identified in the older SHA-1 algorithm, so the industry is switching to SHA-2, which is more secure.

Whom does the update affect?

The updates on May 31 will affect anyone using the NetConnect, our Orbital gateway or any connection over MPLS using certificate negotiation. We've already updated our web browser-based interfaces to accept SHA-2 signed certificates.

How do I update my payment processing solution if I...

1. Use a standalone payment processing solution (Class A)?

Upgrade to a terminal that supports SHA-2 and TLS 1.2 or higher protocols.

We've started a terminal upgrade program to give clients using Class A devices or terminal programs that can support SHA-2 and TLS 1.2. We'll contact you about the upgrade program if it applies to you.

2. Use a payment processing solution provided by a third party (Class B)?

Contact your vendor and verify that the vendor's payment processing solution is compliant with SHA-2 and TLS 1.2, and that it has been tested with [Chase's new URLs](#).

If there are no options for updating your current payment processing solution, you'll need to purchase a new solution from us or your vendor by May 31 to avoid possible service interruptions.

3. Use a client-developed payment processing solution (Class B)?

Please ask your internal group (most likely IT) to check the support for and then migrate to the SHA-2 and TLS 1.2 or higher protocols.

Test your solution in our test environment using our new SHA-2 URLs before your solution is updated in production. If you experience any connection issues, please contact your Relationship Manager.

How can I update the NetConnect and Orbital Gateway URLs?

We've updated all the interface specifications with the new URLs on the [Developer Center](#).

The table below shows the new NetConnect URL and Orbital Gateway connections. You can test any currently deployed payment processing solution against the SHA-2/TLS 1.2 test URLs.

Test URLs	
Current URL	Target URL
netconnectkavar1.paymentech.net	netconnectkavar1.chasepaymentech.com
netconnectkavar2.paymentech.net	netconnectkavar2.chasepaymentech.com
netconnectvar.paymentech.net	Netconnectvar1.chasepaymentech.com OR Netconnectvar2.chasepaymentech.com
netconnectvar1.paymentech.net	netconnectvar1.chasepaymentech.com
netconnectvar2.paymentech.net	netconnectvar2.chasepaymentech.com
orbitalvar1.paymentech.net	orbitalvar1.chasepaymentech.com
orbitalvar2.paymentech.net	orbitalvar2.chasepaymentech.com
wsvar.paymentech.net	wsvar1.chasepaymentech.com

Test URLs	
Current URL	Target URL
wsvar2.paymentech.net	wsvar2.chasepaymentech.com

The table below shows the new SHA-2/ TLS1.2 production URLs that correspond to what you use today:

Production URLs	
Current URL	Target URL
epayhip.paymentech.net	Orbital1.chasepaymentech.com OR Orbital2.chasepaymentech.com
netconnect1.paymentech.net	netconnect1.chasepaymentech.com
netconnect2.paymentech.net	netconnect2.chasepaymentech.com
netconnectka1.paymentech.net	netconnectka1.chasepaymentech.com
netconnectka2.paymentech.net	netconnectka2.chasepaymentech.com
orbital1.paymentech.net	orbital1.chasepaymentech.com
orbital2.paymentech.net	orbital2.chasepaymentech.com
ws.paymentech.net	ws1.chasepaymentech.com
ws2.paymentech.net	ws2.chasepaymentech.com

Are there any products that do not support the SHA-2 update?

Yes. The following Verifone products will not support this update:

- PC Charge
- Payware PC
- Transit/ Rita
- ROI/ JCHarge/ GO Software

Verifone has support lines if you need an alternative solution. You can reach them at 1-800-725-9264 and 1-877-659-8981.

What if I can't meet the May 31 deadline?

You must upgrade to SHA-2 by May 31, 2017. After May 31, you may experience a service interruption and be unable to process transactions. Please contact us for ways to avoid interruptions to your payment processing.