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# Gemini API SSL Certificate Update

May 2016

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- The Gemini application provides API connectivity to permit automated data transfers between external users and Gemini
- These transfers are encrypted with an SSL (Secure Sockets Layer) certificate to protect your data whilst in transit
- The current Gemini API SSL certificate uses an encryption algorithm known as SHA-1 which is now considered cryptographically weak and must be replaced with an updated certificate when it expires in May 2016

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- Xoserve, in common with all other organisations that use SSL certificates, will be replacing the current Gemini API SSL certificate with a new SSL certificate that uses the current industry standard SHA-256 encryption algorithm on 17<sup>th</sup> May 2016
- We have provided a test environment which is configured with an SHA-256 certificate to permit shippers to test their IT systems: <https://usertrial-ix.geminints.com:4446>

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- If you have participated in any post August 2015 testing and/or UK Link Market Trials, no additional effort is required as the environments that you have connected to utilise an SHA-256 SSL certificate
- If you have not participated in any testing, Xoserve recommends that you test your IT systems to ensure there is no interruption to service following the upgrade on 17<sup>th</sup> May
- To do so, please contact the Xoserve service desk on 0845 6000 506 to create test user accounts that you can use.

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