
Secure RTP

Magrathea's Secure RTP product allows for both the voice and signalling traffic associated with a telephone call to be protected from interception and monitoring through the use of TLS to protect the SIP signalling and SRTP to provide encryption of the audio RTP traffic.

The product is designed to give you greater peace of mind about the integrity of the calls being sent to your network.

Inbound Calls

Support for secure voice on our inbound numbering service is enabled by the use of E: as a destination in the NTSAPI, for example E:me@sip1.mydomain.com.

The NTSAPI userguide appendix is available to view here: <http://www.magrathea-telecom.co.uk/assets/Client-Downloads/Numbering-API-Instructions-SRTP-Appendix.pdf>

Outbound Calls

To use this service you will need to send TLS calls to sipsgw.magrathea.net - using both SRTP and TLS. If you only send either SRTP or TLS then the call will fail.

If you send any security certificate with your calls it must be signed and valid otherwise the call won't be accepted.

Things to note

We do not support TLS without SRTP or SRTP without TLS as without the combination of both the call is not truly secure.

With inbound calls, if you use the E: setting but you do not accept SRTP the call will fail.

With outbound calls, these should be sent using both SRTP and TLS. If you only send one then the call will fail – this is intended as a fail safe (ie if we can see that your intention is to send a secure call but this has not been done correctly then we will fail the call so that a connected call is not made insecurely when it should be secure.)

The call will only offer SRTP encrypted versions for our normal protocols.

SRTP will originate from our normal published ranges – please can you ensure that your equipment will not reject this traffic.

We do not currently support session reinvites.

You will need to provide a traffic forecast for each node and please note that we would normally expect customers only to use this product for specific applications and would not suggest general or global use of this product for all of your traffic.

Charges

£100 per site/domain name for inbound SRTP.

For more information about our Secure RTP product please call us on 0345 004 0040 or email support@magrathea-telecom.co.uk