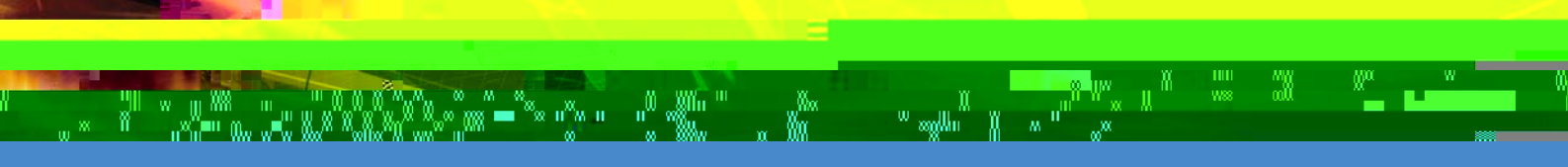


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'REGISTER' Storms

SIP user agents send frequent 'REGISTER' messages to their local SIP proxy in order to keep firewall tunnels open and prevent them from timing out. However, proxies do not require such frequent updates, and storms of REGISTER messages can overwhelm a proxy.

Rewriting SIP Data

ZXTM provides full read and write access to all SIP data, through specialized helper functions and through functions that return or set the raw message data.

For example, ZXTM can transparently rewrite usernames to avoid callers receiving an 'unknown user' error in the case that a user's SIP address has changed:

```
if( sip.getRequestURI() == "sip:jane.doe@example.com" ) {
```

Appendix: SIP processing functions in TrafficScript™

`sip.addRequestHeader(name, value, at_top)`

`sip.addRequestHeader()` modifies the current SIP request, adding a SIP header with the supplied value. If the header already exists, then this value will be appended to the existing value. If `at_top` is set then the value will be prepended to the header. The header name is automatically translated to the correct case before it is added.

`sip.addResponseHeader(name, value, at_top)`

