Using NginX for Stream Service Load Balancer

Resources
- NginX docs: https://www.nginx.com/resources/wiki/
- Doc about NginX and web sockets: http://nginx.org/en/docs/http/websocket.html

Outline of the steps required to configure NGINX:
- o Install Nginx on the load balancing server
- o Enable https on the load balancing server and configure it to use a certificate issued by a trusted 3rd party CA (Thawte, VeriSign, DigiCert).
- o Configure the proxy server to forward requests to GeoEvent Services. Attached is an example of an Nginx configuration file. You will need to change the following settings:
    - server_name   *<your Web Socket reverse proxy server name>*
    - ssl_certificate   *<your CA-cert certificate file>*
    - ssl_certificate_key   *<your CA-cert certificate key file>*
    - server   *<list of servers that GeoEvent Extension is running on>. In this example, the server names are dev01014.esri.com, dev01015.esri.com, and dev01018.esri.com*
    Note: The Web Socket reverse proxy server is set to use HTTPS, but it connects to HTTP on the backend. In the example configuration file, the proxy_pass for port 443 is set to http://skivmHTTP; not https://skivmHTTP.
- o In a web browser, navigate to http://<ServerName>:6080/arcgis/admin to access the the ArcGIS Server Administrator Directory.
- o Login and click system -> properties-> update.
- o Enter a property called WebSocketContextURL to point to the Web Socket reverse proxy. For example:

    {"WebSocketContextURL": "wss://skivm.esri.com"}

- o In a browser, navigate to: https://<LBMachineName>/<context>/rest/services/<StreamServiceName>/Streamserver/subscribe.
- o Click Subscribe to verify data is streaming. You can also verify data is streaming by navigating to: https://<LBMachineName>/<context>/rest/services/<StreamServicename>/StreamServer?f=jsapi.