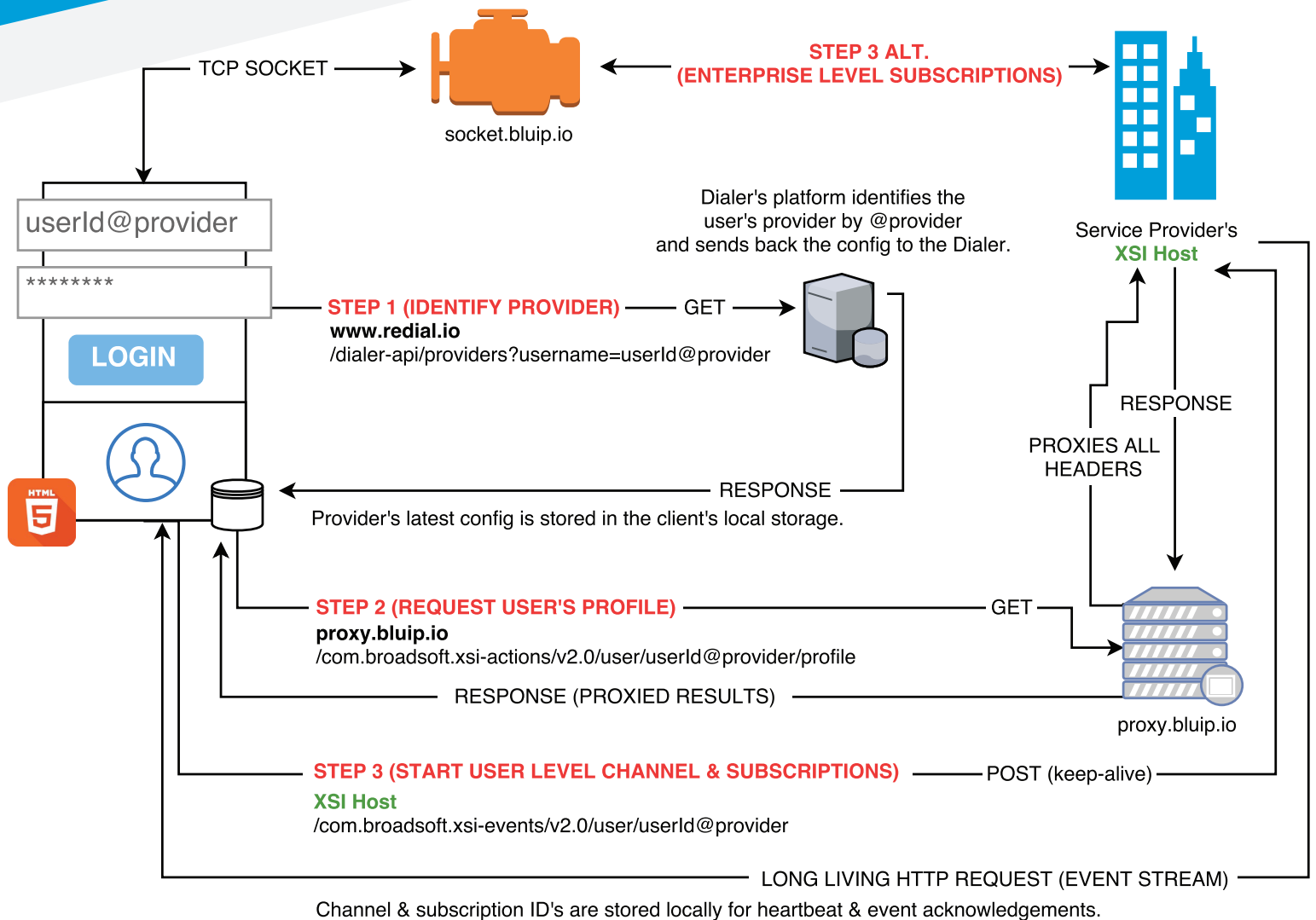# Dialer Connectivity Architecture (Login Example)

All HTTP requests (outside of 3rd party integrations) follow this same exact pattern.
If the Dialer is able to complete this request successfully against your XSI Host, you can become a provider.

TCP SOCKET

STEP 3 ALT.
(ENTERPRISE LEVEL SUBSCRIPTIONS)

socket.bluip.io

userId@provider

****

LOGIN

HTML5

Dialer's platform identifies the
user's provider by @provider
and sends back the config to the Dialer.

Service Provider's
XSI Host

STEP 1 (IDENTIFY PROVIDER) —— GET
www.redial.io
/dialer-api/providers?username=userId@provider

RESPONSE

PROXIES ALL
HEADERS

RESPONSE
Provider's latest config is stored in the client's local storage.

STEP 2 (REQUEST USER'S PROFILE) —— GET
proxy.bluip.io
/com.broadsoft.xsi-actions/v2.0/user/userId@provider/profile

RESPONSE (PROXIED RESULTS)

proxy.bluip.io

STEP 3 (START USER LEVEL CHANNEL & SUBSCRIPTIONS) —— POST (keep-alive)
XSI Host
/com.broadsoft.xsi-events/v2.0/user/userId@provider

LONG LIVING HTTP REQUEST (EVENT STREAM)
Channel & subscription ID's are stored locally for heartbeat & event acknowledgements.

CLIENT - TO - PLATFORM

www.redial.io (199.168.176.158)
Used for zero touch provisioning, service provider
platform and custom APIs.

proxy.bluip.io (199.168.176.158)
Proxies XSI-Actions to service provider's XSI Host
to insure HTTPS, session, and uniformity.

socket.bluip.io (199.168.176.252)
Socket.io for enterprise level XSI-Events subscriptions.

* The following applies to the hosts above:

- TCP
- HTTPS
- TLS v1.2

XSI Host (provider dependent)
To subscribe to events at the user (client) level using
XSI-Events. * Avoided if enterprise level subscriptions
with master credentials are created.

- Protocols are dependent on the provider's XSI Host(s).

PLATFORM - TO - SERVICE PROVIDER

XSI Host (provider dependent)
To subscribe to events at the enterprise level using
XSI-Events and Broadsoft's RESTful XSI-Actions API.

XSI-EVENTS SUBSCRIPTIONS CREATED

1. Advanced Call
2. Do Not Disturb
3. Call Center Queue
4. Call Center Agent Monitoring
5. Voice Mail Message Summary
6. Call Forwarding Always
7. Remote Office
8. Call Center Monitoring
9. CommPilot Express

REQUIREMENTS

1. Broadsoft Service Pack 17.2 or later.
2. XSI Host ports 80 or 443 are accessible to the world.
   - or to 199.168.176.158 with master credentials.

VULNERABILITIES

1. User credentials are stored in their local storage.