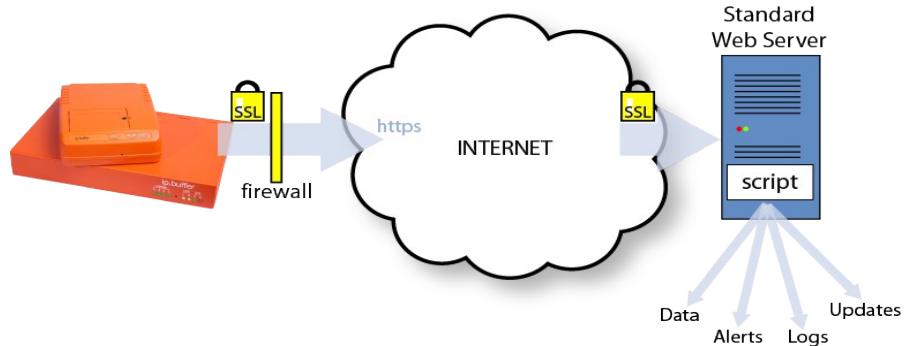


ip.buffer HTTP Development Package

A Complete Solution

The ip.buffer HTTP Development Script provides a powerful solution for both Data Collection and Centrally Managed Updates, using only HTTP(S) Post. All operations are outbound from the ip.buffer so there are no inbound firewall ports to open, easing deployment on customer sites.



The C#/.NET or PHP scripts will run on commercial web-servers, e.g. Microsoft IIS, Apache. Full source code is provided which can easily be extended into existing back-end processing architecture, for example to store data or alerts in an SQL database, generate emails based on alerts or events, or send SNMP traps to other equipment.

Data Collection

- Handles any combination of data, alerts, logs and diagnostic dumps
- Processes in a 'transactional' manner. If any part of the transfer fails, then everything is unwound so your software does not see duplicate data arriving at the file-system level
- Automatically creates a site directory when the ip.buffer posts to the web-server so installation is simple
- Directory structure is fully configurable for compatibility with your existing systems
- Transparently supports zlib data compression to minimise bandwidth requirements
- Can synchronize ip.buffer real-time clock with the server's UTC

Centrally Managed Updates

- Scheduled HTTP Post from the ip.buffer to query server if updates are required
- Updates firmware, configurations (complete or partial) and scripts
- Triggered requests for diagnostic dumps, logs and archiving configurations
- Your customers do not need to create inbound firewall rules and you can manage all the ip.buffer centrally

Secure and Scalable

- Can use TLS/SSL-enabled https:// transfer to stop eavesdropping on the data
- For high security, you can lock the ip.buffer to the SSL certificates of your servers so data cannot be inadvertently, or deliberately, re-routed
- HTTP redirects are supported, so ip.buffer can be programmed to access your main web site, which can redirect to dedicated server(s) connected on DSL. This allows the whole system to be upgraded, scaled-up, or migrated to another site with ease
- Almost infinitely scalable. You can extend the script to distribute the load across multiple DSL lines or into hosted servers running on the Internet backbone

Evaluation Package

For evaluation purposes, and small site set-ups, Scannex can provide a “canned setup” of the Aprelium Abyss X1 web-server that includes the Scannex “Data Collection-only” script.

- It performs the necessary preflight checks and deploys a working configuration on a Windows machine
- Scannex recommends upgrading to the professional Abyss web-server (X2) for commercial deployment or migrating to Microsoft IIS or Apache for larger managed service operations
- The Evaluation Package is provided on a 30-day evaluation under a mutual Non-Disclosure-Agreement after which the script must be licensed or removed

Further details are in the document: “ip.buffer - Abyss Web Server.pdf”[#].

Note: Scannex have no affiliation with Aprelium, but have used their server products.

Licensing & Support

The HTTP scripts are licensed in the following one-time royalty-free options:

(contact Scannex for pricing)

- **Data Collection plus Centrally Managed Updates**
 - Single-Site License
 - Distribution License
- **Data Collection only**
 - Single-Site License
 - Distribution License

All licenses include an initial 90 days developer support to aid integration, after which a chargeable annual Support Agreement is available to provide ongoing assistance, code updates, feature enhancements, etc.

[#] (available on request).