BARIX

RetailPlayer Proxy

Proxy Server to integrate RetailPlayer in custom management solutions

Barix RetailPlayer
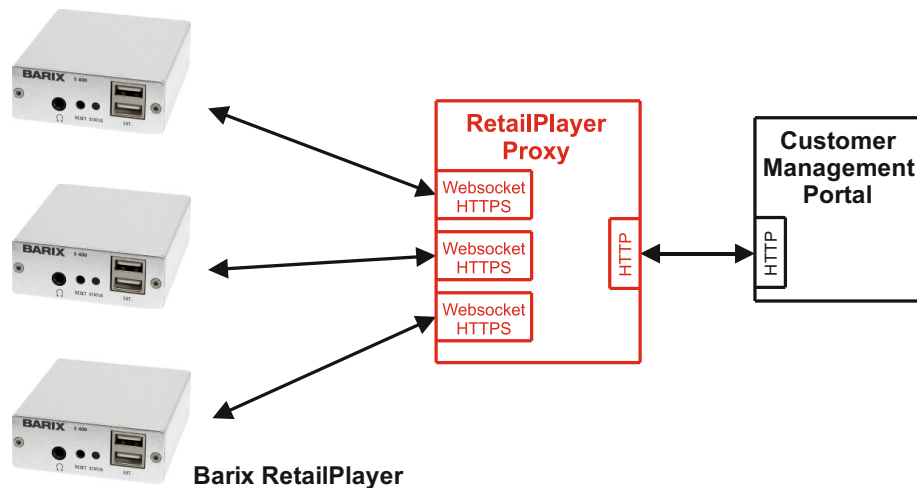
The RetailPlayer Proxy Server is a software which allows 3rd party integrators to implement RetailPlayer solution into their own management portal. The proxy runs on Windows or Linux environments and forwards secure SSL websocket connections to a single HTTP interface. The proxy further handles the SSL termination. The SSL certificates will be issued in accordance with the customer specific URL.

The Proxy Server is a simple solution to integrate RetailPlayer in management portals without taking care of the websocket connections and the SSL security.

Price on Request.

Applications

• Background music distribution to retail outlets, hospitals, gyms and restaurants
• Radio distribution system with central management
• Corporate audio streaming solution

Specifications

• Executable Windows or Linux Application
• HTTPS security to the devices
• secure websocket communication
• HTTP Interface to Host Application
• Customer specific certificates

Technical Specifications

Application
- Google Go Application
- Runs as executable in Windows or Linux

Server Infrastructure Requirements
- Linux OS or Windows Environnement

Network and Routing Requirements
- HTTP Port 80
- SSL Port 443 (if SSL encrypted communication to RetailPlayer is used)

Security

Barix RetailPlayer Proxy by default uses SSL encryption for communication between Proxy and RetailPlayer. Customer Specific certificates based on Barix certification authority and customer local domain will be provided.

Non SSL communication is supported and can be used in closed Infrastructures.

Software updates and Maintenance

Software updates for the Barix RetailPlayer Proxy will be provided by pre-built installation scripts.

Websocket Command / Status Message examples

Command Message

```
{
    "serverTime": SERVER_TIME,
    "timeZone": "Europe/Lisbon",
    "audioLevel": VOLUME,
    "url": MAIN_URL,
    "fallbackUrl": BACKUP_URL,
    "firmware": {
        "imageUrl": IMAGE_URL,
        "version": IMAGE_TAG
    },
    "webinterfaceEnabled": ENABLE_WEBUI,
    "sonicIP": ENABLE_SONICIP,
    "offlineFallbackUrl": PLAYLIST_PATH,
    "offlineFallbackLastModified": PLAYLIST_TIMESTAMP,
    "schedule": SCHEDULE_STR
}
```

Status Message

```
{
    "upTime": UPTIME_SECS,
    "sonicIP": SONIC_IP_ENABLED,
    "timeZone": TZ_STRING,
    "ipAddress": ETH_IP_ADDRESS,
    "localTime": LOCAL_TIME,
    "portalUrl": PORTAL_URL,
    "macAddress": ETH_MAC_ADDRESS,
    "mainStream": MAIN_STREAM_URL,
    "systemTime": SYSTEM_TIME_UTC,
    "wifiStatus": {
        "rssi": SIGNAL_LEVEL,
        "ssid": WIFI_SSID,
        "bssid": WIFI_AP_ADDRESS,
        "state": WIFI_STATE,
        "mac_address": WIFI_MAC_ADDRESS
    },
    "Temperature": CPU_TEMP,
    "bufferLevel": BUFFER_LEVEL_SECS,
    "activeStream": CURRENT_STREAM_URL,
    "fallbackStream": FALLBACK_STREAM_URL,
    "priorityStream": PRIORITY_STREAM_URL,
    "scheduleStatus": SCHEDULE_STATUS,
    "firmwareVersion": FW_VERSION,
    "webSocketReconnect": NUM_RECONNECTS,
    "failoverPlaylistContent": [ LIST_OF_TRACKS ]
}
```

For commercial related questions (distributors contacts, price list, business opportunities) please contact
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For technical inquiries (problem reports, request for documentation, etc.) please contact
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