3xLOGIC

Tech Tip 160054

VIGIL Client 9.5 / View Lite II – Using the Launch from URL Feature

Tech Tip #:	160054-1
Date:	November 23rd, 2016
Product Affected:	3xLOGIC View Lite II Mobile App, VIGIL Client 9.5 or later
Purpose:	This document is intended to educate its reader on the process of utilizing the Auto-Launch from URL feature for both View Lite II Mobile App (Android and iOS) and VIGIL Client 9.5.

1 Introduction

The URL auto-launch feature is intended for use in conjunction with third party applications to launch View Lite II or VIGIL Client internally from an app or web interface (on a mobile device or Windows PC respectively), with corresponding footage from a desired VIGIL Server/ All-in-One Camera ready for review.

1.1 Compatibility

1.1.1 View Lite II

This feature is compatible with both Android (View Lite II 3.5.0 and later) and iOS (View Lite II 3.2.0 and later) versions of View Lite II.

1.1.2 VIGIL Client

This feature can be utilized on Windows PC systems with VIGIL Client 9.5 or later installed.

2 Using Auto Launch from URL
2.1 View Lite II

To utilize this feature, construct the below URL using the required API commands. Configurable API parameter values are enclosed in square brackets in the below example. If *HTTPS Only* is enabled on the target VIGIL Server, be sure to use HTTPS in the URL prefix.

```
http://www.3xlogiccloud.com/api/request/?vigilconnect=[IsEnableVIGILConnect]&amp;dv
rid=[VIGILServerVIGILConnectAliasName|VIGILSeverIPPort]&amp;username=[Username]&amp
;password=[Password]&amp;camera=[CameraNumber]&amp;start=[StartTime]&amp;end=[EndTi
me]&amp;mode=[Live|Playback]&amp;isutc=[UseUTC]&amp;fps=[fpsvalue]
```

Enter the desired parameter values and query the URL. The user will be prompted to open the media in View Lite II. API Parameters are described below. Only parameters marked with an * are optional.

API Parameter	Description
vigilconnect	This parameter designates whether VIGIL Connect will be utilized to retrieve Live or Playback from a VIGIL Server / All-in-One Camera. Available values: *0* or *1*. A value of 1 indicates VIGIL Connect will be used to retrieve Live or Playback from VIGIL Server. A value of 0 indicates a direct connection will be utilized.
dvrid	If VIGIL Connect is used, this parameter value should be the VIGIL Server's MAC address or VIGIL Connect Alias, otherwise this parameter is the IP:Port of the desired VIGIL Server (Example: 192.168.11.123:22810).
username, password	This parameter defines the login credentials of the VIGIL Server you are attempting to communicate with. The password must be base_64 encoded.
camera	This parameter should be set to the desired camera's number as assigned in VIGIL Server. If you are querying an All-in-One Camera, always set the value to *1*.
mode	This parameter designates the expected footage mode. Available values: *live* or *playback* The below parameters are used when the parameter mode is set to playback: | API Parameter	Description
isutc	This parameter defines whether the start time and end time are UTC time. Available values: 0 or 1. A value of 0 indicates the start / end time will be the VIGIL Server's local time; a value of 1 indicates the start / end time is UTC time.
*fps	This parameter defines the desired FPS (frames-per-second) speed of the footage. This parameter is optional when the parameter mode is set to live. If a value is defined that is above the maximum FPS available, the footage will be returned at the maximum FPS available.	
start, end	These two parameters are used to establish the playback footage time frame. Enter the desired start time of the playback in the start parameter and the desired ending time in the end parameter. These parameters are specified in the format *yyyy-mm-dd hh:mm:ss.*

2.1.1 View Lite II – Launch from URL – Example URLs

▪ Using VIGIL Connect to retrieve Live from a VIGIL Server / All-in-One Camera
https://www.3xlogiccloud.com/api/request/index.php?dvrid=smithy&username=administrator&password=MTIz&camera=1&mode=live&isutc=0&vigilconnect=1

▪ Using VIGIL Connect to retrieve Playback from a VIGIL Server / All-in-One Camera
https://www.3xlogiccloud.com/api/request/index.php?dvrid=smithy&username=administrator&password=MTIz&camera=1&mode=playback&start=2016-09-06%200:12:00&end=2016-09-06%2012:13:00&isutc=0&vigilconnect=1

- Using a direct connection to retrieve Live from a VIGIL Server / All-in-One Camera
https://www.3xlogiccloud.com/api/request/index.php?dvrid=192.168.1.2:22810&username=administrator&password=MTIz&camera=1&mode=live&vigilconnect=0&isutc=0

- Using a direct connection to retrieve Playback from a VIGIL Server / All-in-One Camera
https://www.3xlogiccloud.com/api/request/index.php?dvrid=192.168.1.2:22810&username=administrator&password=MTIz&camera=1&mode=playback&start=2016-09-06%200:12:00&end=2016-09-06%2012:13:00&vigilconnect=0&isutc=0

2.2 VIGIL Client

To utilize this feature, construct the below URL using the required API commands. Configurable API parameter values are enclosed in square brackets in the below example. If *HTTPS Only* is enabled on the target VIGIL Server, be sure to use HTTPS in the URL prefix.

```
http://www.3xlogiccloud.com/api/request/?vigilconnect=[IsEnableVIGILConnect]&amp;dv
rid=[VIGILServerVIGILConnectAliasName|VIGILSeverIPPort]&amp;username=[Username]&amp
;password=[Password]&amp;camera=[CameraNumber]&amp;start=[StartTime]&amp;end=[EndTi
me]&amp;mode=[Live|Playback]&amp;fps=[fpsvalue]&amp;&dvrlink=[UseVIGILClient]
```

API Parameters are described below. Only parameters marked with an * are optional.

API Parameter	Description
vigilconnect	This parameter designates whether VIGIL Connect will be utilized to retrieve Live or Playback from a VIGIL Server / All-in-One Camera. Available values: *0* or *1*. A value of 1 indicates VIGIL Connect will be used to retrieve Live or Playback from VIGIL Server. A value of 0 indicates a direct connection will be utilized.
dvrid	If VIGIL Connect is used, this parameter value should be the VIGIL Server's MAC address or VIGIL Connect Alias, otherwise this parameter is the IP:Port of the desired VIGIL Server (Example: 192.168.11.123:22810).
username, password	This parameter defines the login credentials of the VIGIL Server you are attempting to communicate with. The password must be base_64 encoded.
camera	This parameter should be set to the desired camera's number as assigned in VIGIL Server. If you are querying an All-in-One Camera, set the value to 1.
mode	This parameter designates the expected footage mode. Available values: *live* or *playback* The below parameters are used when the parameter mode is set to playback. <table><tr><th>API Parameter</th><th>Description</th></tr><tr><td>dvrlink</td><td>This parameter defines whether or not VIGIL Client will be used to launch the live/playback footage. A value of 1 indicates VIGIL Client will be used. When a *dvrlink* value is not given, Internet Explorer will query the user as to launch the media in VIGIL Client or not.</td></tr><tr><td>*fps</td><td>This parameter defines the desired FPS (frames-per-second) speed of the footage. This parameter is optional when the parameter mode is set to live. If a value is defined that is above the maximum FPS available, the footage will be returned at the maximum FPS available.</td></tr></table>
start, end	These two parameters are used to establish the playback footage time frame. Enter the desired start time of the playback in the start parameter and the desired ending time in the end parameter. These parameters are specified in the format *yyyy-mm-dd hh:mm:ss.*

Enter the desired parameter values and query the URL to launch VIGIL Client with the desired footage ready for review.

2.2.1 VIGIL Client – Launch from URL – Example URLs

▪ Using VIGIL Connect to retrieve Playback from a VIGIL Server and view it in VIGIL Client automatically.
https://www.3xlogiccloud.com/api/request/index.php?dvrid=smithy&username=administrator&password=MTIz&camera=1&mode=playback&start=2016-09-06%200:12:00&end=2016-09-06%2012:13:00&dvrlink=1

▪ Using VIGIL Connect to retrieve Live from a VIGIL Server.
https://www.3xlogiccloud.com/api/request/index.php?dvrid=smithy&username=administrator&password=MTIz&camera=1&mode=live

3 Contact Information

If you require more information, or if you have any questions or concerns, please contact 3xLOGIC Support:
Email: helpdesk@3xlogic.com
Online: www.3xlogic.com