Intuiface Platform Infrastructure

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Document scope and content

This document describes:
- three Intuiface usage models, from the most open model (where all Intuiface cloud-based services are used) through the most closed model (where none are used).
- global architecture for the Intuiface Platform Infrastructure
- links and dataflow between Intuiface Player, Composer, and various cloud-based servers
- how and where Intuiface data are stored
- all endpoints reachable by Intuiface Player and Composer.

To understand this document

The Intuiface platform is made up of three main components: Intuiface Composer, Intuiface Player, and Intuiface Cloud:
1. Intuiface Composer, enabling the authoring of Experiences on a given Windows-based computer;
2. Intuiface Player, enabling the execution of one Experience directly or indirectly (e.g. from within a web page) on a given device powered by a growing list of operating systems;
3. Intuiface Cloud, powered by Amazon AWS, consisting of the following features:
   i. Analytics, enabling the transfer of data collected from one Experience executing on a given device to The Company database server in the cloud, the visualization of this data as charts within dashboards, and the sharing of such dashboards;
   ii. Headless CMS, enabling the upload, organization, and storage of content in the cloud and access to that content from within an Experience;
   iii. Share & Deploy, enabling the sharing and deployment of Experiences and the remote management of the Software and Experiences via a web browser;
   iv. Account Management, enabling the purchase and management of Intuiface licenses, and the remote storage of content;
(For more about Composer, Player, and the components of Intuiface Cloud, see our Overview page).

Composer and Player can be used without Internet access. However, several Cloud features – like Analytics and the Headless CMS – are only available if access to various Intuiface servers is granted.

Summary of Intuiface Usage Models

Intuiface's infrastructure requirements are quite flexible. As a result, multiple options are available, enabling selection of the one most appropriate for a given set of IT restrictions and preferences. The following three scenarios are examples of possible Intuiface usage models, from the most open model (where all Intuiface cloud-based services are used) to the most closed model (where none are used).

Full Cloud

Use Intuiface Cloud Storage or a private Amazon S3 bucket to store published Intuiface experiences (Intuiface projects are referred to as "experiences") and Headless CMS content. All Intuiface cloud services such as remote experience deployment onto Player as well as Analytics and Headless CMS are available.
No Experience Publishing

Experiences are not published to the Intuiface Cloud or to an Amazon S3 bucket. Intuiface experiences are deployed either manually or via in-house automated means. All devices running Composer and Player have at least occasional access to the Internet, so their licenses can be checked and renewed when required. Players can still use Analytics; locally stored data points are sent to the Analytics server when Player has access to the Internet. Experiences can also still access and use Headless CMS content stored on Intuiface Cloud.

Offline

Intuiface experiences are managed using a LAN file system; deployment onto Player (Windows version only) is an in-house responsibility. (With offline Players, it is not possible to remotely deploy or manage experiences). Also unusable is Analytics, Headless CMS, and any of the cloud-hosted social media platforms supported by Intuiface. Intuiface's offline licensing option is also required, involving manual license requests submitted to Intuiface Technical Support. All in all, about 70% of Intuiface capabilities will be accessible. (Still impressive by any measure!)
Introduction and Global Architecture

The Intuiface Platform Infrastructure can be broken down into four distinct cloud-based components:

1. Intuiface Cloud Storage: Stores and manages experiences published to cloud storage provided by Intuiface. (Alternatively, experiences can be stored on a private Amazon S3 bucket).
2. Intuiface Business Management Infrastructure (IBMI): Manages Intuiface user information, metadata for published experiences, and all business-related processes.
3. Headless CMS: Manages and stores content to be used by experiences
4. Intuiface Analytics Management Infrastructure (IAMI): Manages and stores data points collected by Analytics feature.

These four components are outlined in the global architecture diagram below:

For an summary of how Intuiface works, visit our online Overview page

Global security considerations

Intuiface Platform Infrastructure is entirely based on AWS (Amazon Web Services), which offers a high level of information security (confidentiality, integrity, and availability) as demonstrated by several security-related certifications (including ISO27001, SOC 1, SOC 2, SOC 3).
All Intuiface Cloud traffic uses https. Starting with Version 6.1.6, Player and Composer use encryption protocol TLS1.2.

Intuiface Player and Composer only need outbound connections, so only outbound port 443 must be opened for Composer and Player to access Intuiface servers. No inbound connection is used by Player and Composer.

Intuiface's entire AWS infrastructure is protected by the AWS Firewall, and all data are encrypted at rest.

Authentication

Authentication on my.intuiface.com is done:
- either using an account’s email address and password. The password must be:
  - either at least 8 chars long with 4 classes of chars (lowercase, uppercase, digit and special chars)
  - or 16 chars long with at least 2 different classes of chars
  - Passwords are not stored on my.intuiface.com. Only their salted hashes are stored on the server. After five authentication failures in less than one hour, authentication is locked for one hour to prevent brute-force password trials
- or using SSO and SAML 2.0 for enterprise accounts as described in this article Logging in using SSO (Single Sign-On)

Audit Trail

All security-related actions for account access, product licensing, and experience usage, sharing, and deployment are recorded in an Intuiface audit trail uniquely available to Intuiface Enterprise level accounts. See Audit Trail documentation for more details.

Monitoring Intuiface services

Server status can be monitored at status.intuiface.com. On that site, one can register for notification about server issues – via text message or email – in real-time. See Track Status of Intuiface Cloud Services for more information.

Backup

Intuiface Data and Servers rely on:
- AWS Managed services (whose backups are managed and guaranteed by AWS)
- Databases hosted by MongoDB Inc. They use AWS Infrastructure and manage secure backups
- Servers managed by Intuiface; these servers are backed up using AWS/Backup managed services.

Backups are performed regularly. Critical Databases can be restored within one hour in case of a critical incident.
Certification and compliance

Intuiface received its ISO/IEC 27001:2013 certification in April 2020, renewed a year later. Both Intuiface Player and Composer, Intuiface Cloud Storage, Intuiface Business Management Infrastructure (IBMI), and Intuiface Analytics Management Infrastructure (IAMI) are within the scope of this certification.

Intuiface is audited every year, as required by ISO27001:2013, both internally and by a certification body every year to check compliance against ISO27001:2013.

Intuiface Experience Storage

If a user wishes to publish an Intuiface experience – a prerequisite for sharing and remotely deploying that experience – two storage options are available: Intuiface Cloud Storage, or a user-configured Amazon S3 bucket.

Documentation for how to select and configure the preferred Intuiface experience storage option can be found online.

Intuiface experiences do not have to be published to be deployed to other devices. See our article about how to deploy unpublished experiences for details.

Intuiface Experience Storage does not retain a history of experience versions. Only the most recently published instance of an experience is saved. Also, if an Experience is deleted from the Share & Deploy Console (see Delete a published experience), no backup is kept. As a result, experience versions should be backed up from the Windows device on which they have been edited in Composer using an independent, user-driven process.

Intuiface Cloud Storage (default option)

Intuiface Cloud Storage is built on top of Amazon S3 (Simple Storage Service) and uses Amazon IAM services. The Amazon S3 region closest to the country of a given Intuiface account (determined via GeoIP) is selected as the content storage location for experiences published by that account. The closest Amazon S3 region is determined during the first experience publish for the account.

Amazon S3 storage is designed for high integrity and availability. According to Amazon, the durability of each file is 99.999999999% and availability is 99.99%.

In order to retrieve or update an experience, the user must use Composer or Player; there are no external links to the experience or its content.

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1 This means that if you own 1000 experiences with 1000 different files in each experience, you will – on average - only lose a file every 100 000 years.
Upon request sent to support.intuiface.com, the default cloud storage location of an Intuiface account can be changed to some other geographic location.

To use Intuiface Cloud Storage, Player and Composer must be permitted to access the domain amazonaws.com. Alternatively, you may restrict access to the URLs listed in the table below.

The following table lists the default locations of Intuiface storage per country or world region as well as their domains.

<table>
<thead>
<tr>
<th>Region in the world</th>
<th>Default Location of Intuiface Storage</th>
<th>Domain used by Intuiface</th>
</tr>
</thead>
<tbody>
<tr>
<td>US + Central-America</td>
<td>US (North Virginia)</td>
<td>s3.us-east-1.amazonaws.com</td>
</tr>
<tr>
<td>Canada</td>
<td>Canada (Montreal)</td>
<td>s3.ca-central-1.amazonaws.com</td>
</tr>
<tr>
<td>South-America</td>
<td>Brazil (Sao Paulo)</td>
<td>s3-sa-east-1.amazonaws.com</td>
</tr>
<tr>
<td>Europe</td>
<td>Germany (Frankfurt)</td>
<td>s3.eu-central-1.amazonaws.com</td>
</tr>
<tr>
<td></td>
<td>Ireland</td>
<td>s3-eu-west-1.amazonaws.com</td>
</tr>
<tr>
<td></td>
<td>Great-Britain (London)</td>
<td>s3.eu-west-2.amazonaws.com</td>
</tr>
<tr>
<td></td>
<td>France (Paris)</td>
<td>s3.eu-west-3.amazonaws.com</td>
</tr>
<tr>
<td>Japan area</td>
<td>Japan (Tokyo)</td>
<td>s3-ap-northeast-1.amazonaws.com</td>
</tr>
<tr>
<td>Korea area</td>
<td>Korea (Seoul)</td>
<td>s3.ap-northeast-2.amazonaws.com</td>
</tr>
<tr>
<td>India area</td>
<td>India (Mumbai)</td>
<td>s3.ap-south-1.amazonaws.com</td>
</tr>
<tr>
<td>Singapore area</td>
<td>Singapore</td>
<td>s3-ap-southeast-1.amazonaws.com</td>
</tr>
<tr>
<td>including China</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ANZ area</td>
<td>Australia (Sydney)</td>
<td>s3-ap-southeast-2.amazonaws.com</td>
</tr>
</tbody>
</table>

All Intuiface experiences stored in Intuiface Cloud Storage are storage-level encrypted (at-rest encrypted) using Amazon S3-Managed Keys (SSE-S3), based on AES 256-bit cypher.

The access to experiences stored in Intuiface Cloud Storage is based on AWS Security Token Service. Player/Composer can only access only experiences owned by the Intuiface account associated with the Player/Composer license (or shared with the Intuiface account).

**User-configured Amazon S3 bucket**

This is similar to Intuiface Cloud Storage but the bucket is created, managed and paid for by the user's organization. Refer to [creating an AWS S3 bucket to store your experiences](#) to understand how to create an Amazon S3 bucket as well as to enhance security by restricting IP access to the Amazon S3 bucket. When using a private Amazon S3 bucket, you may use one of five additional regions:

- South-Africa,
- Bahrain,
- USA: Oregon,
- USA: Ohio,
- USA: North California
Amazon S3 storage was designed for high durability and availability. According to Amazon, the durability of each file is $99.999999999\%^2$. Availability is 99.99%.

**Headless CMS**

Intuiface users have access to an online Headless Content Management System (Headless CMS, or H-CMS) to manage the content displayed in an experience. The content is organized in Bases. A Base is created and structured by the account owner from within my.intuiface.com. Then a Base can be filled with content (data or media) by the owner or by other authorized users, assuming:
- The Base was shared by the owner with other users
- Other users either already possess an Intuiface account or will create an account
- Other users authenticate successfully

Based on their Headless CMS role, the other users can:
- use a Base in an Intuiface Experience
- display and update the Base Structure
- upload or modify Base content.
- add/remove/configure Base users

**Headless CMS content uploading and downloading flows**

Bases are referenced by Experiences created with Composer. These Bases (ie their structure and content) are then downloaded by Intuiface Composer and Intuiface Player. Both structure and content are cached locally on Composer and Player devices. When a Base is modified (e.g. structure modified or new content uploaded), only updates (structure and content) will be downloaded.

Base structure and content are displayed and updated using the Headless CMS web client.

**Headless CMS Infrastructure**

To optimize distribution and reduce download time, Bases (both structure and content) are distributed through AWS Edge CDN (Content Delivery Network).

To ensure confidentiality, all downloads through CDN require authentication. This prevents non-authorized access to a Base.

Headless CMS uses both a MongoDB database hosted by MongoDB Inc in N.-Virginia and AWS/S3 buckets hosted by AWS N.-Virginia.

Structure and content stored on AWS/S3 buckets are backed up for 180 days after deletion or replacement by an updated version. Backups are definitively deleted 6 months later. Currently, users have no rollback capability to restore previous or deleted versions of structure and content.

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2 This means that if you own 1000 experiences with 1000 different files in each experience, you will – on average – only lose a file every 100 000 years.
Intuiface Business Management Infrastructure (IBMI)

All user and Intuiface experience metadata are stored in an AWS RDS (Relational Database Service) database, an AWS managed database located in the eu-west-1 region of Europe. These metadata include:

- Intuiface account email & password (salted-hashed sha256)
  - Includes company name, user first and last name, alternate contact email address
- User ID for the Intuiface account,
- Billing information if the user has purchased the product online using a credit card (only the last four last digits and expiration date of a credit card are stored)
  - Includes list of invoices
- License information
  - Includes License ID, Device ID, Intuiface application name, and Intuiface application version
    Collectively named the **Intuface ID (IF-ID)**
  - Also includes name of the device on which the license is in use
- Device information (see [Batch Player activation](#)). The following information is deleted after a device retrieves a valid license:
  - Serial Number for specific device types
  - MAC address
- List of cloud storage connectors (**Storage-ID**):
  - If Intuiface Cloud Storage: its location
  - If Amazon S3: encrypted credentials and location
- List of cloud-stored experiences. For each experience:
  - Includes Intuiface Experience ID, Intuiface Experience name, Intuiface Experience size, Intuiface Experience initial scene snapshot image, collectively named the **Intuface Experience Metadata (IF-XP)**
  - Also includes the Storage ID of the storage option associated with the experience

All user and Intuiface experience metadata are storage-level encrypted (at-rest encrypted) using Intuface’s AWS RDS default encryption key.

### Experience publishing and downloading flows

- In response to a Publish request, Composer retrieves experience storage temporary credentials from sharing.intuilab.com then directly accesses the user's storage environment and publishes all of the required files that are part of an Intuface experience (.ifx, .ifx.json and all media).
- In response to a Download request, Composer or Player retrieves experience storage temporary credentials from sharing.intuilab.com then directly accesses the user's storage environment and downloads all of the required files that are part of an Intuface experience (.ifx, .ifx.json and all media).

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3 Intuface optimizes the publish/download process by only uploading/download files that have been modified, added, or deleted from an experience.
• In response to the Deployment (or Push) of an experience to a Player, initiated via the Intuiface Share and Deploy console (https://my.intuiface.com/shareanddeploy/#/devices), a command is prepared to be read by Player. Player (or the Player Agent on Windows devices) regularly polls commands at monitoring.intuilab.com. When an Experience Deployment (or Push) command is waiting, Player interprets the command and retrieves experience storage temporary credentials from sharing.intuilab.com, then directly accesses the user’s storage environment and downloads all of the required files that are part of an Intuiface experience (.ifx, .ifx.json and all media).
• Temporary credentials delivered to Composer or Player remain available for a limited amount of time for security reasons.

An experience is never stored nor ever transits through IBMI. IBMI’s main responsibility is to establish a proper connection between the Intuiface Experience Storage where a particular experience is stored and a Composer or Player instance where this experience is authored or played.

**Intuiface Analytics Management Infrastructure (IAMi)**

The Intuiface Analytics Management Infrastructure exists to support the Analytics feature. It gathers and collates user-specified data collected by Intuiface Player, as well as facilitates data-based chart and dashboard creation for measuring and monitoring user-defined KPIs (key performance indicators).

IAMi servers are located on AWS in the us-east-1 region of the United States.

Information collected by an Intuiface experience when using the Intuiface Analytics feature - i.e. the Intuiface ID and all data point content - are stored in a MongoDB database hosted on www.mongodb.com/cloud/atlas, which, in turn, is running on AWS in the us-east-1 region of the United States.

**List of all services used by Intuiface**

**Websites used by Intuiface**

<table>
<thead>
<tr>
<th>Web site</th>
<th>Intuiface Subdomain</th>
<th>Service Description</th>
<th>Cloud Infrastructure</th>
<th>Also Requires Access To</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public website</td>
<td><a href="https://www.intuiface.com">https://www.intuiface.com</a></td>
<td></td>
<td>Webflow (webflow.com)</td>
<td></td>
</tr>
<tr>
<td>Intuiface Cloud</td>
<td><a href="https://my.intuiface.com">https://my.intuiface.com</a></td>
<td>User account and license management, license purchase, experience deployment, experience sharing, access to collected data points</td>
<td>IBMI</td>
<td><a href="http://www.intuiface.com">www.intuiface.com</a> (for pricing &amp; purchase)</td>
</tr>
<tr>
<td>Support site</td>
<td><a href="https://support.intuiface.com">https://support.intuiface.com</a></td>
<td>Intuiface Support site and Help Center (documentation)</td>
<td>Zendesk</td>
<td><a href="https://my.intuiface.com">https://my.intuiface.com</a> (for single sign-on)</td>
</tr>
<tr>
<td>Web site</td>
<td>Intuiface Subdomain</td>
<td>Service Description</td>
<td>Cloud Infrastructure</td>
<td>Also Requires Access To</td>
</tr>
<tr>
<td>--------------</td>
<td>------------------------------------------</td>
<td>--------------------------------------------------------------------------------------</td>
<td>-------------------------</td>
<td>-----------------------------</td>
</tr>
<tr>
<td>User Community</td>
<td><a href="https://community.intuiface.com">https://community.intuiface.com</a></td>
<td>Open discussions within and among the Intuiface user community</td>
<td>Discourse (discourse.org)</td>
<td></td>
</tr>
</tbody>
</table>

**Services used by Composer and Player**

The following set of subdomains has been designed so the Intuiface user's Enterprise IT authority may decide which, if any, subdomain to permit access using their organization's firewall or proxy. Of course, preventing access to a subdomain will prevent usage of the features it enables.

NB: All services listed below require the URL [https://license.intuilib.com](https://license.intuilib.com) to be accessible. If not accessible, no other service will be available.
<table>
<thead>
<tr>
<th>Intuiface Service</th>
<th>Intuiface Subdomain</th>
<th>Service Description</th>
<th>Data Exchanged Across Firewall</th>
<th>Used by</th>
<th>Cloud Infrastructure</th>
<th>Also Requires Access To</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows installers</td>
<td><a href="https://data.intuilab.com">https://data.intuilab.com</a></td>
<td>Download of installers for Composer and Player on Windows</td>
<td>Installers</td>
<td>Any web browser. Composer &amp; Player can also download and run their latest installer if manually instructed to do so.</td>
<td>IBMI</td>
<td></td>
</tr>
<tr>
<td>Android Player installers</td>
<td>android.intuiface.com</td>
<td>Download of installers for Android Player</td>
<td>Installers</td>
<td>Any Web browser.</td>
<td>IBMI</td>
<td></td>
</tr>
<tr>
<td>Other Player installers</td>
<td>sssp.intuiface.com, webos.intuiface.com, brightsign.intuiface.com</td>
<td>Download of installers for Player on Non-Windows/Android devices</td>
<td>Installers</td>
<td>SSSP / LG webOS / BrightSign devices</td>
<td>IBMI</td>
<td></td>
</tr>
</tbody>
</table>
| Licensing | https://license.intuilab.com | License activation, license check and login | • IF-ID  
• Computer Name  
• Email/password if login | Player & Composer | IBMI | |
| Composer & Player on Windows update | https://update.intuilab.com | Information about update availability. There is no auto-update feature. This service is limited to update availability notification. | IF-ID | Player & Composer | IBMI | |
| Experience publish & download | https://sharing.intuilab.com | | • IF-ID  
• IF-XP | Player & Composer | IBMI | Domains used for storage NOTE: For Intuiface storage see above the list of used domains. |
| H-CMS base access | https://api-hcms.intuiface.com | Using H-CMS base | • IF-ID  
• IF-Base | Player & Composer V7 and HCMS web client | Headless CMS | https://hcms.intuiface.com |
<table>
<thead>
<tr>
<th>Intuiface Service</th>
<th>Intuiface Subdomain</th>
<th>Service Description</th>
<th>Data Exchanged Across Firewall</th>
<th>Used by</th>
<th>Cloud Infrastructure</th>
<th>Also Requires Access To</th>
</tr>
</thead>
</table>
| Remote Player management | https://hcms.intuiface.com | Download of H-CMS base and web client - | • IF-ID  
• Web client  
• Structure  
• Content | Player & Composer V7 and H-CMS web client | Headless CMS | |
| Remote Player management | https://monitoring.intuilab.com | 1. Player restart  
2. PC reboot  
3. Player monitoring  
4. Player event reporting | • IF-ID  
• Computer Name  
• Player Events (i.e. start, reboot) | Player | IBMI | Domains used for storage NOTE: For Intuiface storage, see above for the list of used domains. |
| Marketplace | https://s3-eu-west-1.amazonaws.com | Access to free and for-sale experiences published by Intuiface and other sellers | • IF-ID | Player & Composer | IBMI | https://sharing.intuilab.com |
| Analytics | https://analytics.intuilab.com | Storage of data points | • IF-ID  
• Data point content | Player & Composer | IAM | |
<p>| Information notification | <a href="https://services.intuilab.com">https://services.intuilab.com</a> | Information displayed in Composer's Messaging Window | • IF-ID | Composer | IBMI | <a href="https://notifications.intuilab.com">https://notifications.intuilab.com</a> |</p>
<table>
<thead>
<tr>
<th>Intuiface Service</th>
<th>Intuiface Subdomain</th>
<th>Service Description</th>
<th>Data Exchanged Across Firewall</th>
<th>Used by</th>
<th>Cloud Infrastructure</th>
<th>Also Requires Access To</th>
</tr>
</thead>
</table>
| Usage reports          | https://report.intuilab.com          | Used by Intuiface Customer Support and for usage analysis                          | • IF-ID  
• Experience-independent Composer/Player events                                      | Composer & Player      | IBMI                 |                        |
| Crash reports          | https://diag.intuilab.com            | Used by Intuiface Customer Support                                                 | • IF-ID  
• Crash Stack  
• .ifx  
• OS information                                   | Composer & Player       | IBMI                 |                        |
|                        | https://sentry.intuilab.com          |                                                                                  |                                                                                  |                       |                      |                        |
| Third party services proxy | https://social.intuilab.com        | Used as proxy server for Twitter, Weather, GeoIP                                  | • Search string for Twitter feeds  
• City/zip code for weather  
• IP address for geolocation                                         | Composer & Player       | AWS us-east-1        |                        |
| API Explorer           | https://api-explorer.intuiface.com   |                                                                                  | • IF-ID  
• API Request URL  
• .ifd descriptor                                           | Composer v6.0 and later | AWS us-east-1        |                        |
|                        | https://api-explorer.intuilab.com   |                                                                                  |                                                                                  |                       |                      |                        |
| Email as a service     | https://services.intuilab.com        |                                                                                  | • IF-ID  
• Email fields: from/to/subject/body/attachment(s)                                   | Composer & Player       | IBMI                 |                        |
| Template & Design Accelerator Download | https://data.intuilab.com     | Download templates and design accelerators into Composer                           |                                                                                  | Composer               | IBMI                 |                        |
| Am I online?           | https://license.intuilab.com/isonline.html | Internet connectivity check                                                       |                                                                                  | Player & Composer       | IBMI                 |                        |
### Intuiface Service Subdomain

<table>
<thead>
<tr>
<th>Intuiface Service</th>
<th>Intuiface Subdomain</th>
<th>Service Description</th>
<th>Data Exchanged Across Firewall</th>
<th>Used by</th>
<th>Cloud Infrastructure</th>
<th>Also Requires Access To</th>
</tr>
</thead>
</table>
| Web Triggers      | https://webtriggers.intuilab.com | Enables Player to receive a message from any device on the Internet (v6.2 and later) | • IF-ID  
• associated tags using Web Sockets on https port (443) | Player & Composer | AWS us-east-1 |                       |

### Services associated with Third Party URLs

<table>
<thead>
<tr>
<th>Intuiface Service</th>
<th>Third-Party URL</th>
<th>Service Description</th>
<th>Used by</th>
<th>Cloud Infrastructure</th>
</tr>
</thead>
</table>
| Map Collection    | Mapbox: https://api.mapbox.com  
                  Bing Maps: http://ecn.t[1-4].tiles.virtualearth.net/ | Get map content when using the Map Collection for either of Intuiface's two map providers, Mapbox and Bing Maps | Composer & Player | Mapbox (mapbox.com)  
                  Bing Maps (bing.com/maps) |
| YouTube Asset     | Any YouTube URL | Display a video in the YouTube Asset | Composer & Player | YouTube               |
Document updates

- 20-Sept-2021:
  - Introduced H-CMS
  - Additions in the § Global security considerations
  - FTPS storage deprecated end of 2022
- 30-March-2021:
  - Fixed minor error for the URL used by the API explorer
  - Minor additions in the § Global security considerations
- 30-June-2020:
  - Document reorganization to better describe the Intuiface Platform
  - Additional details were added
- 12-June-2020:
  - Updated Intuiface Cloud Storage section, with new storage located in France
- 18-May-2020:
  - Added how to enhance security by restricting IP access to a user-configured Amazon S3 bucket
- 12-May-2020:
  - Document reorganization to better describe the various Intuiface Cloud-based Infrastructures
- 06-Jan-20:
  - Added this Document Updates section
  - Added a fourth scenario in Usage Models
  - Minor wording fixes
- 19-Nov-19:
  - Added Intuiface Cloud Storage domain names for the default storage locations associated with each country or world region
  - Updated some hyperlinks
- 01-Jul-19:
  - Added a chapter describing three usage models