

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 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. 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

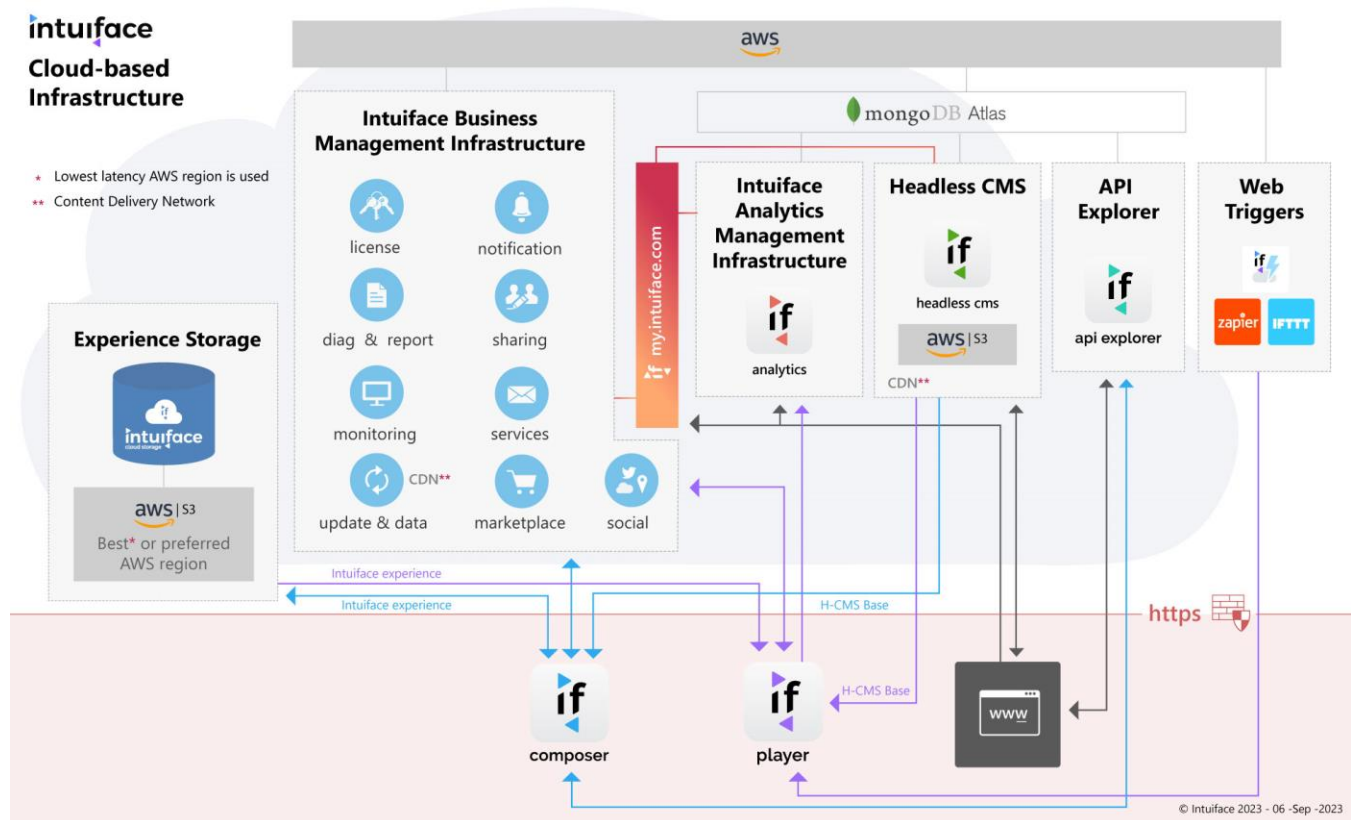
Intuiface experiences are managed using a LAN file system; deployment onto Player (Windows version only) is an in-house responsibility. (With offline Players, it is not possible to remotely deploy or manage experiences). Also unusable is Analytics, Headless CMS, and any of the cloud-hosted social media 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 the cloud storage provided by Intuiface.
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, Intuiface Player on Windows and Intuiface Composer use cryptographic protocol TLS1.2. Players on other platforms may use TLS1.2 or TLS1.3

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. All storage is encrypted at rest using AWS default encryption.

Authentication

Authentication on my.intuiface.com is done:

- either using an account's email address and password. The password must be:
 - o either at least 8 chars long with 4 classes of chars (lowercase, uppercase, digit and special chars)
 - o or 16 chars long with at least 2 different classes of chars

Passwords are not stored on my.intuiface.com. Only their salted hashes (HMACSHA-1) 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 subscribe to receive notification about server issues – via text message, email, or your Slack account – in real-time. See [Track Status of Intuiface Cloud Services](#) for more information.

Server Maintenance

Intuiface servers undergo maintenance once a year and for a duration of no more than 2 hours. Maintenance periods are announced on status.intuiface.com and notifications are sent to subscribers.

NB: There is no impact on Players with active licenses during a maintenance period. However new license activation, access to my.intuiface.com, and authentication on support.intuiface.com are not possible.

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.

Human Resources

All technical and non-technical employees regularly attend information security training. (New hires first receive this training during their initial week.) All employees are also required to attend a Personal Information Privacy awareness session.

When an employee leaves the company, their access to all computer systems is canceled or made inaccessible within a period of less than 2 hours.

Privileged accounts are only assigned after a manager's request. All privileged accounts are verified quarterly.

Access to production servers is limited to selected staff. Authentication is protected by IP address restriction and requires MFA.

Server logs

Intuiface retains server logs for no longer than one year and for internal use only to assist in our efforts to enhance Intuiface products.

Certification and compliance

Intuiface received its ISO/IEC 27001:2013 certification in April 2020, renewed in 2023 (ISO27001:2017). Both Intuiface Players 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, both internally and by a certification body, to check ISO27001 compliance.

As a company established in Europe, Intuiface follows European regulation 2016/679, named GDPR (General Data Protection Regulation), which aims at protecting fundamental rights and freedoms of natural persons - in particular, their right to the protection of personal data - for all users and customers.

Intuiface Experience Storage

A prerequisite for sharing and remotely deploying an experience is to publish that experience onto Intuiface Cloud Storage.

Documentation for [how to configure Intuiface cloud storage](#) 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 default content storage location for experiences published by that account. The closest Amazon S3 region is determined during the first experience publish for the account. The AWS S3 region can be changed at any time at both the account level and at the individual experience level, and will apply to all future publish actions. See our guidance for [how to change the storage location](#).

Amazon S3 storage is designed for high integrity and availability. According to Amazon, the durability of each file is 99.999999999%¹ 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. To use Intuiface Cloud Storage, Player and Composer must be permitted to access the domain **amazonaws.com** (port 443). Alternatively, you may restrict access to the domains listed in the table below (port 443).

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

Region in the world	Default Location of Intuiface Storage	Domain used by Intuiface
US + Central-America	US (North Virginia)	s3.us-east-1.amazonaws.com
Canada	Canada (Montreal)	s3.ca-central-1.amazonaws.com
South-America	Brazil (Sao Paulo)	s3-sa-east-1.amazonaws.com
Europe	Germany (Frankfurt)	s3.eu-central-1.amazonaws.com
	Ireland	s3-eu-west-1.amazonaws.com
	Great-Britain (London)	s3.eu-west-2.amazonaws.com
	France (Paris)	s3.eu-west-3.amazonaws.com
Japan area	Japan (Tokyo)	s3-ap-northeast-1.amazonaws.com

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.

Korea area	Korea (Seoul)	s3.ap-northeast-2.amazonaws.com
India area	India (Mumbai)	s3.ap-south-1.amazonaws.com
Singapore area including China	Singapore	s3.ap-southeast-1.amazonaws.com
ANZ area	Australia (Sydney)	s3.ap-southeast-2.amazonaws.com
Southern Africa	South Africa	s3.af-south-1.amazonaws.com

All Intuiface experiences stored in Intuiface Cloud Storage are file-level encrypted (at-rest encrypted) using Amazon S3-Managed Keys (SSE-S3), based on an 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 feature was deprecated in Sept 2023. It continues to work for customers who opted to publish to a user-owned bucket, but users can no longer configure such bucket.

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

Headless CMS servers, databases, and S3 buckets are all located in N.-Virginia United States (us-east-1 AWS region).

To optimize distribution and reduce download time, Bases (both structure and content) are distributed using 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 North Virginia. The MongoDB database is automatically backed up every day. Daily backups are retained seven (7) days and replicated in different AWS zones (i.e. AWS datacenter).

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 six (6) months later. Currently, users have no rollback capability to restore previous or deleted versions of structure and content.

Intuiface Business Management Infrastructure (IBMI)

IBMI servers and databases are all located in Ireland (eu-west-1 AWS region).

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 **Intuiface 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 user-configured Amazon S3 bucket [deprecated]: 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 **Intuiface 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 Intuiface'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 required² files that are part of an Intuiface experience (.ifx, .ifx.json, ifxp 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 experience owner's storage environment and downloads all of the required² files that are part of an Intuiface experience (.ifx, .ifx.json, .ifxp and all media).
- In response to the Deployment (or Push) of an experience to a Player, initiated via the Intuiface Share and Deploy console (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, .json, .ifxp, 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.

Device management

From the Share & Deploy console, users can also manage their Players and configure some Player properties. This is described in the Intuiface Help Center chapter, "[Publish, Share and Deploy Experiences](#)". User may restart Players, reboot Windows devices, and plan future or periodic operations

² Intuiface optimizes the publish/download process by only uploading/downloading files that have been modified, added, or deleted from an experience.

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, databases and S3 buckets are all located in N.-Virginia United States (us-east-1 AWS region).

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 by MongoDB Inc. www.mongodb.com/atlas/database which, in turn, is running on AWS in the us-east-1 region of the United States. The database is automatically backed up every day. Daily backups are retained seven (7) days and replicated in different AWS zones (i.e. AWS datacenter).

List of all services used by Intuiface

Websites used by Intuiface

Web site	Intuiface Subdomain	Service Description	Cloud Infrastructure	Also Requires Access To
Public website	www.intuiface.com		Webflow (webflow.com)	
Intuiface Cloud	my.intuiface.com	User account and license management, license purchase, experience deployment, experience sharing, access to collected data points	IBMI	www.intuiface.com (for pricing & purchase)
Support site	support.intuiface.com	Intuiface Support site and Help Center (documentation)	Zendesk	my.intuiface.com (for single sign-on)
User Community	community.intuiface.com	Open discussions within and among the Intuiface user community	Discourse (discourse.org)	

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 via their organization's firewall or proxy. Of course,

preventing access to a subdomain will prevent usage of the feature(s) it enables. It is recommended to not block the subdomains intuiface.com and intuilab.com.

Important notice for Windows devices running a Player located behind a proxy:

- If the proxy uses an authentication based on Windows session,
AND
- if Players are to be managed via Intuiface Share & Deploy console.

In such a case, be sure to apply the workaround described in the Intuiface Help Center article
“[Configuring Intuiface Player Agent if it must use a Proxy](#)”

NB: All services listed below require the URL license.intuilab.com to be accessible. If not accessible, no other service will be available.

Intuiface Service	Intuiface Subdomain	Service Description	Data Exchanged Across Firewall	Used by	Cloud Infrastructure	Also Requires Access To
Windows installers	data.intuilab.com	Download of installers for Composer and Player on Windows	Installers	Any web browser. Composer & Player can also download and run their latest installer if manually instructed to do so.	IBMI	
Android Player installers	android.intuiface.com	Download of installers for Android Player	Installers	Any Web browser.	IBMI	
Other Player installers	sssp.intuiface.com webos.intuiface.com brightsign.intuiface.com	Download of installers for Player on Non-Windows/Android devices	Installers	SSSP / LG webOS / BrightSign devices	IBMI	
Licensing	license.intuilab.com	License activation, license check and login	<ul style="list-style-type: none"> • IF-ID • Computer Name • Email/password if login 	Player & Composer	IBMI	
Composer & Player on Windows update	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	

Intuiface Service	Intuiface Subdomain	Service Description	Data Exchanged Across Firewall	Used by	Cloud Infrastructure	Also Requires Access To
Experience publish & download	sharing.intuilab.com		<ul style="list-style-type: none"> 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	api-hcms.intuiface.com	Using H-CMS base	<ul style="list-style-type: none"> IF-ID IF-Base 	Player & Composer V7 and HCMS web client	Headless CMS	hcms.intuiface.com
	hcms.intuiface.com	Download of H-CMS base and web client -	<ul style="list-style-type: none"> IF-ID Web client Structure Content 	Player & Composer V7 and H-CMS web client	Headless CMS	
Remote Player management	monitoring.intuilab.com	Remote Player software upgrade	<ul style="list-style-type: none"> IF-ID 	Player	IBMI	data.intuilab.com
	monitoring.intuilab.com	Remote deployment of Intuiface experiences	<ul style="list-style-type: none"> IF-ID 			sharing.intuilab.com Domains used for storage NOTE: For Intuiface storage, see above for the list of used domains.
	monitoring.intuilab.com	<ol style="list-style-type: none"> 1. Player restart 2. PC reboot 3. Player monitoring 	<ul style="list-style-type: none"> IF-ID Computer Name Player Events (i.e. start, reboot) 			

Intuiface Service	Intuiface Subdomain	Service Description	Data Exchanged Across Firewall	Used by	Cloud Infrastructure	Also Requires Access To
		4. Player event reporting				
Marketplace	s3-eu-west-1.amazonaws.com	Access to free and for-sale experiences published by Intuiface and other sellers	<ul style="list-style-type: none"> IF-ID 	Player & Composer	IBMI	sharing.intuilab.com
Analytics	analytics.intuilab.com	Storage of data points	<ul style="list-style-type: none"> IF-ID Data point content 	Player & Composer	IAMI	
Information notification	services.intuilab.com	Information displayed in Composer's Messaging Window	<ul style="list-style-type: none"> IF-ID 	Composer	IBMI	notifications.intuilab.com
Usage reports	report.intuilab.com	Used by Intuiface Customer Support and for usage analysis	<ul style="list-style-type: none"> IF-ID Experience-independent Composer/Player events 	Composer & Player	IBMI	

Intuiface Service	Intuiface Subdomain	Service Description	Data Exchanged Across Firewall	Used by	Cloud Infrastructure	Also Requires Access To
Crash reports	diag.intuilab.com sentry.intuilab.com	Used by Intuiface Customer Support	<ul style="list-style-type: none"> • IF-ID • Intuiface account email address • Application stack-trace • Last 50 lines of Composer or Player logs • Composer: undo & redo stack • OS and device information • IP address (only for non-Windows players) 	Composer & Player	IBMI	
Third party services proxy	social.intuilab.com	Used as proxy server for Twitter, Weather, GeoIP	<ul style="list-style-type: none"> • Search string for Twitter feeds • City/zip code for weather • IP address for geolocation 	Composer & Player	AWS us-east-1	
API Explorer	api-explorer.intuiface.com		<ul style="list-style-type: none"> • IF-ID • API Request URL 	Composer v6.0 and later ³⁴	AWS us-east-1	

³ API Explorer is only used by Composer only (never by Intuiface Players).

Intuiface Service	Intuiface Subdomain	Service Description	Data Exchanged Across Firewall	Used by	Cloud Infrastructure	Also Requires Access To
	api-explorer.intuilab.com		<ul style="list-style-type: none"> .ifd descriptor 	Composer before v6.0		
Email as a service	services.intuilab.com		<ul style="list-style-type: none"> IF-ID Email fields: from/to/subject/body/attachment(s) 	Composer & Player	IBMI	
Template & Design Accelerator Download	data.intuilab.com	Download templates and design accelerators into Composer		Composer	IBMI	
Am I online?	license.intuilab.com/isonline.html	Internet connectivity check		Player & Composer	IBMI	
Web Triggers	webtriggers.intuilab.com	Enables Player to receive a message from any device on the Internet (v6.2 and later)	<ul style="list-style-type: none"> IF-ID associated tags using Web Sockets on https port (443)	Player & Composer	AWS us-east-1	
Player Next Gen download	player.intuiface.com installer.intuiface.com	Enable Composer to access Player Next Gen installers	Installers of Player Next Gen	Composer	IBMI	

Services associated with Third Party URLs

Intuiface Service	Third-Party URL	Service Description	Used by	Cloud Infrastructure
Map Collection	Mapbox: api.mapbox.com Bing Maps: 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

Special notice for the Share-by-URL feature

Experience creators may share an experience using the share-by-URL feature (see [Share an experience using a public URL](#) for more information). The creator sends a generated URL to a user.

- On Windows devices, the URL, in a browser, will download a small installer from my.intuiface.com. This installer, which does not require local admin rights, will download the Player installer and then install it (unless a Player is already installed). This Player then uses the same domains used by any other Player as listed above.
- On iPad, Android, and Chrome devices, the share URL redirects the user to the appropriate store (Apple store, Google store or Chrome store), requiring the user to install Player. Once installed, Player then uses the same domains used by any other Player as listed above.

Document updates

- 7-Sept-2023:
 - User-configured Amazon S3 bucket is deprecated
- 28-June-2023:
 - Geographic locations of Intuiface servers and databases is now indicated for Headless CMS, IBMI, and IAMI.
 - A notice was added for Intuiface Players running behind a proxy using Windows authentication
 - https TLS1.3 is now also supported by some Intuiface Players.
 - Fix an error in the hash function used for encrypting password (HMACSHA-1 and not AES-256)
- 06-Sept-2022:
 - Added requirements for the share-by-url feature
 - Added domains required to use Player Next Gen
 - Added information about server maintenance and server logs
- 05-Feb-2022:
 - In § “Global security considerations”, additions about Human Resources and GDPR
 - Information sent in crash reports has been detailed
- 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-2020:
 - Added this Document Updates section
 - Added a fourth scenario in Usage Models
 - Minor wording fixes
- 19-Nov-2019:
 - Added Intuiface Cloud Storage domain names for the default storage locations associated with each country or world region

- Updated some hyperlinks
- 01-Jul-2019:
 - Added a chapter describing three usage models