Connectivity

Alliance 7.0

Alliance Graphical User Interface Evolution

The purpose of this white paper document is to provide customers with the overall view on the evolution of the Alliance Graphical User Interface applications (Workstation, WebStation and Web Platform) during 6.3 and 7.0 releases.

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Preface

Purpose of this document
The purpose of this document is to outline the evolution of the Graphical User Interfaces (GUI's) for the Alliance portfolio. It positions Alliance Web Platform as introduced in release 6.3 and describes how it will become the standard GUI for all Alliance servers as of release 7.0, replacing Workstation, Messenger and WebStation.

Intended audience
This document is intended for project managers and SWIFT infrastructure administrators, allowing them to assess how to obtain most benefits from Alliance Web Platform and to plan how to efficiently migrate from Alliance Workstation, Messenger or WebStation to Alliance Web Platform.

Related documentation
- Alliance 6.3 release overview
- Alliance 7.0 release overview
- Alliance Web Platform Installation Guide
- Alliance Web Platform Server-Embedded Installation Guide
- Alliance Web Platform Administration Guide
- Alliance Web Platform 6.3 Release Letter
- SWIFTNet 7.0 Release overview
1 Introduction

With the aim to provide a unified technology for the Graphical User Interface (GUI) of all Alliance products (Alliance Gateway, Access, Entry and Integrator) and to reduce the related management cost, Alliance Web Platform was introduced in release 6.3.

In Alliance 6.3, Alliance Web Platform provided the following functionality: MT/MX message life cycle management (creation, verification, modification, and consultation), RMA management, Alliance Gateway administration, Alliance Integrator configuration and access to Browse services.

In Alliance 7.0, its scope will be enlarged to include functionality for the configuration and monitoring of Alliance Access and Entry. Alliance Workstation and WebStation will remain available in release 7.0. However new GUI functionality will only be implemented on Alliance Web Platform.

Alliance Web Platform is based on a thin client architecture; it runs on an application server while no software other than a standard browser is required on the end users desktop. As such it offers easy scalable and simplified deployment of new Alliance functionality to end users.
2 **Graphical User Interfaces**

2.1 **Alliance Web Platform**

Alliance Web Platform is the new Graphical User Interface (GUI) software for all Alliance products. It comprises different functional packages accessible through a browser (Internet Explorer) to the end user, thus not requiring any additional SWIFT software to be installed on user desktops.

These functional packages are installed on Alliance Web Platform and are each associated with a specific Alliance server. For example, RMA and Messenger are functional packages of Alliance Access.

Alliance Web Platform runs in an application server environment, either on a customer's existing application server or on its embedded application server.

In addition to the existing GUI functionalities, Alliance Web Platform also offers the following benefits:

- Easier segregation of Alliance servers usage by end users
- Monitoring of entire Alliance environment (several Alliance Access/Entry servers)
- Optional personalisation (e.g. branding)
- Unified user experience across all Alliance servers: Alliance Gateway, Access, Entry and Integrator

### Release 6.3

In release 6.3, the Alliance Web Platform included the following functional packages:

- Gateway Administration functional package for monitoring and configuring Alliance Gateway
- Browse functional package for accessing Browse services on SWIFTNet
- Messenger functional package for MT/MX message creation and management, and FileAct message consultation
- RMA functional package for Relationship Management on Alliance Access
- Alliance Integrator functional package for management of Alliance Integrator

### Release 7.0

The release 7.0 completes the set of functional packages available on Web Platform with the following:

- Access/Entry administration functional package for (configuration and monitoring of Alliance Access/Entry)
- RMA and Messenger functional package for Alliance Entry

The SWIFTNet PKI and Routing administration, currently available in Alliance WebStation, will be accessible in 7.0 as a Browse service: **SWIFTNet Online Operations Manager (see chapter 3.1.3 for more information)**.

Alliance WebStation and Workstation will continue to be available in release 7.0, allowing for flexible upgrade to the Web Platform. Both WebStation and Workstation will be available in 7.0 in a maintenance mode, meaning that none of the new release 7.0 features will be implemented on them.

---

1 Note that Web Platform cannot be used in direct connectivity mode. Therefore it does not replace standalone WebStation.
The overview of the GUI evolution in 6.3 and 7.0 is shown on Figure 1.

**Web Platform 6.3**

**Web Platform 7.0**

*Figure 1* Availability of functionality on Alliance Web Platform
3 Upgrading to Alliance Web Platform

3.1 From Alliance WebStation

Alliance WebStation currently exists in two configurations:

- Connected to Alliance Gateway providing a GUI for Gateway administration, Browse, SWIFTNet management (security and routing) and Manual FileAct services
- As a standalone product, with direct connection to SWIFT network for Browse, SWIFTNet management (security and routing) and Manual FileAct services

Upgrade to Alliance WebStation only possible for the first configuration. Customers deploying Alliance WebStation in direct connection mode cannot benefit from the Web Platform and will have to continue using Alliance WebStation.

Overview

Table below provides the availability of functionality on Alliance Web Platform and Alliance WebStation in releases 6.3 and 7.0:

<table>
<thead>
<tr>
<th>Function</th>
<th>6.3 WebStation</th>
<th>6.3 Web Platform</th>
<th>7.0 WebStation</th>
<th>7.0 Web Platform</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alliance Gateway Administration</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Browse services</td>
<td>✓</td>
<td>✓ (1)</td>
<td>✓</td>
<td>✓ (1)</td>
</tr>
<tr>
<td>SWIFTNet security and management</td>
<td>✓ (2)</td>
<td>✓ (3)</td>
<td>✓ (3)</td>
<td>✓ (3)</td>
</tr>
<tr>
<td>Manual FileAct</td>
<td>✓</td>
<td></td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Service GUIs</td>
<td>✓</td>
<td></td>
<td>✓</td>
<td></td>
</tr>
</tbody>
</table>

(1) subject to service readiness
(2) via Browse once SWIFTNet 7.0 is live
(3) via Browse only

3.1.1 Gateway Administration

Alliance 6.3 offers the Alliance Gateway administration functional package on Alliance Web Platform.

To facilitate the upgrade, Alliance WebStation will continue to be available in both releases 6.3 and 7.0. However, all new functional enhancements will be implemented only on Alliance Web Platform.

Changes highlights

Implementing the Alliance Gateway Administration functional package on the Web Platform provides the following enhancements:

- Faster navigation between different entities of Alliance Gateway (component tree)
- Improved functional organisation of application screens
  - Monitoring and configuration screens are separated
  - Configuration of entities related to the same functional area is grouped. For example User Management group includes configuration of Operators, Operator Profiles, LDAP servers, etc.
  - Configuration parameters are available at the configuration of the specific entity (not as a separate module)
- View customisation (user choice and order of displayed parameters)
- Possibility to apply an action to several selected objects
- Search criteria displayed on the same screen as results
3.1.2 **Browse Services**

Browse service providers have to make minor changes to their Browse services in order to qualify them for Alliance Web Platform.

SWIFT is in contact with these service providers with the aim to have all services qualified by the release of Alliance 7.0. Their status is published and maintained in Knowledge Base Tip 2204605.

The Browse services adapted to support Alliance Web Platform will remain also accessible from Alliance WebStation 7.0

### SSL Certificates

**Note**

Alliance Web Platform does not mandate SSL client authentication.

Although, Alliance Web Platform does not mandate client authentication, some Browse services may require the two-way SSL authentication enabled.

SWIFT now recommends that Browse services do not use client authentication as this causes an increased complexity in certificates management by service users.

### Java

Alliance Web Platform does not require Java Virtual Machine on the user desktop, except when using the browse package.

To use a Java update equal or above the one used for the Web Platform qualification, please refer to the relaxed support statement in Knowledge Base Tip 1212959.

3.1.3 **SWIFTNet Security and Routing Management**

As part of SWIFTNet 7.0 enhancements, SWIFTNet security and routing administration will be made available as a new SWIFT-managed service available over Browse: SWIFTNet Online Operations Manager.

Users will be able to access this service in the second half of 2010 (for exact dates please refer to Release 7.0 timeline). Both Alliance Web Platform (release 6.3) and Alliance WebStation (release 6.x) can be used to access this new Browse service, so customers are not required to upgrade to 7.0 to access it.

The existing Users and Routing modules will be removed from Alliance WebStation in release 7.0.

3.1.4 **Manual FileAct transfer (FT GUI)**

In both releases 6.3 and 7.0, manual FileAct will remain available via Alliance WebStation.

In release 7.0 Alliance Web Platform will support the business to business FileAct capabilities offered by Alliance Access, Entry and Gateway.

3.1.5 **Service GUIs**

**Accord**

In release 7.0, the Accord application will remain available through Alliance WebStation.

SWIFT is currently investigating ways to offer Accord functionality on thin client technology.
Bank of England Enquiry Link GUI
Currently, the Bank of England Enquiry Link GUI requires the usage of Alliance WebStation.

3.2 From Alliance Messenger
Alliance Messenger offers a web-based user interface for MT and MX message creation and management services of Alliance Access and Entry.

As of release 7.0, Web Platform becomes the common technical platform for Alliance GUI's. Messenger's functionality (MT/MX creation) becomes available on Web platform at no additional charge to all customers. The licensing scheme for users will also be simplified by a new option that will count the number of sessions on Alliance Access, regardless of where the session is initiated. Additional details on Messenger licensing can be found in section 5.

Technically, Alliance Messenger was a dedicated software in release 6.0 and 6.2. As of 6.3, it becomes a functional package on the Alliance Web Platform.

Upgrade steps
Upgrade of Messenger 6.0 or 6.2 to Alliance Web Platform technology requires to uninstall the existing Messenger instance first, and install Alliance Web Platform instead. There is no automatic upgrade procedure. The following steps have to be performed by the Administrator:

- Uninstall Alliance Messenger
- Upgrade Alliance Access/Entry
- Install and configure Alliance Web Platform
- Install Alliance Messenger functional package on Web Platform

For the detailed description of the steps please refer to the related product user documentation.

3.3 From Alliance Workstation
To facilitate the upgrade to Alliance Web Platform, Alliance Workstation remains available in releases 6.3 and 7.0. However, all new functional enhancements in 7.0 will be implemented on Alliance Web Platform only.

Overview
The table below provides the availability of functionality on Alliance Web Platform and Alliance WebStation in releases 6.3 and 7.0:

<table>
<thead>
<tr>
<th>Function</th>
<th>6.3 Workstation</th>
<th>6.3 Web Platform</th>
<th>7.0 Workstation</th>
<th>7.0 Web Platform</th>
</tr>
</thead>
<tbody>
<tr>
<td>MT message management</td>
<td>✓</td>
<td>✓ (1)</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>MX message management</td>
<td>✓</td>
<td>✓ (1)</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>FileAct support</td>
<td>✓</td>
<td>✓ (1) (2)</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>RMA</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Access/Entry Administration</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>ADK applications</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

(1) Subject to Messenger licence
(2) FileAct messages consultation only

3.3.1 Message creation and management
The manual message creation and management (consultation, approval, verification, and modification) is delivered currently to Alliance Access and Entry users via Workstation and Messenger, with the following particularities:
• Alliance Workstation is limited to creation of MT messages only. However, MX messages can be consulted.
• Alliance Messenger allows MT and MX message creation and management but its usage is subject to a dedicated Messenger licence.

Section 3.2 of this document gives additional information related to Messenger on Alliance Web Platform.

3.3.2 **FileAct support**

Alliance Access 6.3 provides support for automated transfer of FileAct messages through Message Partners.

Consultation of FileAct messages is possible on Web Platform 6.3 with the Messenger’s message search functionality, however configuring and operating the Message Partners from the Web Platform is only available as from release 7.0.

3.3.3 **RMA**

As of release 6.3, RMA functionality is available on Alliance Web Platform, including some enhancements which are not available on Workstation.

To facilitate the upgrade, the RMA functionality will remain available on Alliance Workstation in release 7.0.

**Changes highlights**

The new features of the RMA functional package on Alliance Web Platform include:

- Optimised authorisation search (pre-defined search criteria)
- Authorisation creation wizard
- Improved authorisation visualisation (new fields displayed)

3.3.4 **Alliance Access/Entry Administration**

The administration of Alliance Access 6.3 is only possible via Alliance Workstation.

In release 7.0, Alliance Web Platform will contain two functional packages designed to provide monitoring and configuration functionality for Access and Entry.

To facilitate the upgrade, the existing administration functionality will still be delivered in Workstation in release 7.0.

**Changes highlights**

The new features of the Alliance Access/Entry administration functional package on Alliance Web Platform include:

- Multi-instance monitoring
- Incident dashboard, displaying the latest reported incidents
- Definition of the monitored scope (sub-set of monitored entities)
- Improved navigability for incident investigation and action
- Segregation of Monitoring and Configuration applications (with unified interface)

3.3.5 **ADK components**

There are two types of Alliance Access/Entry ADK applications:

- Server-based applications
  
  This is the vast majority of applications. They only use server-exposed services.
• Workstation-based GUI applications

Some of the ADK solutions include also a user interface component that is installed and executed within the Workstation framework. An example of such application is MQSA.

Such applications use server-exposed services but also services and features offered by Workstation, such as login to Alliance Access/Entry instance.

The evolution of the server-based ADK applications is driven by the introduction of the Web Services technology within Alliance Access (for example RMA Web Service in release 6.3) that is foreseen to become the standard technology for ADK applications. The discussion related to the evolution of the server-based ADK services is outside of the scope of this document.

The usage of ADK applications still requires Alliance Workstation in release 7.0.
4 Deploying Alliance Web Platform

4.1 Environment

4.1.1 Application Server

For more flexible integration within the customer's environment, Alliance Web Platform exists in two versions:

- Web Platform Server-embedded, with the application server embedded within the delivered software. the application server is installed and configured transparently to users and can be used for Alliance Web Platform only.
- Web Platform for deployment on a customer application server. Alliance Web Platform is installed on a clustered IBM WebSphere Application Server, which is typically used by the customer to deploy other web applications as well.

The availability of these versions for the operating systems is as follows:

<table>
<thead>
<tr>
<th></th>
<th>Server embedded</th>
<th>On customers' IBM WebSphere Application Server</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windows</td>
<td>As of 6.3</td>
<td>As of 6.3</td>
</tr>
<tr>
<td>UNIX (AIX, Solaris)</td>
<td>As of 7.0</td>
<td>As of 6.3</td>
</tr>
</tbody>
</table>

4.1.2 Browser

SWIFT has qualified and supports the Web Platform with Internet Explorer (IE) release 7.0.

Internal tests have shown that Web Platform works with IE 6.0. However, in some cases it may cause disruptions in data visualisation. As such, SWIFT does not support this configuration.

The qualification of Alliance Web Platform on IE 8.0 is currently planned for release 7.0. In line with SWIFT supportability statement for unqualified environments (see section 4.1.4), SWIFT will provide support services when Alliance Web Platform 6.3 is used with IE 8.0.

4.1.3 Operating Systems

Details related to the qualified operating systems (OS) can be found in the Alliance Web platform 6.3 Release Letter and in the Alliance 7.0 Release Overview.

Additionally, a compatibility matrix for currently supported configurations is available via the Knowledge Base Tip 2207704.

4.1.4 Unqualified environments support

In line with the Knowledge Base Tip 2237576, SWIFT will also provide reasonable support to customers who run their SWIFT connectivity products on the qualified operating system versions, regardless of the underlying technical set-up, like server virtualisation, non-default UNIX file system, storage systems, clustering solutions or compatible hardware.
### 4.1.5 Alliance Web Platform Deployment with Alliance servers

Alliance Web Platform can be deployed (qualified and supported) with Alliance servers in the following OS combinations:

<table>
<thead>
<tr>
<th>Web Platform Type</th>
<th>Web Platform OS</th>
<th>Alliance Server OS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Server Embedded</td>
<td>Windows</td>
<td>Windows, AIX, Solaris</td>
</tr>
<tr>
<td></td>
<td>AIX</td>
<td>AIX</td>
</tr>
<tr>
<td></td>
<td>Solaris</td>
<td>Solaris</td>
</tr>
<tr>
<td>Clustered, on customer's application server</td>
<td>Windows</td>
<td>Windows</td>
</tr>
<tr>
<td></td>
<td>AIX</td>
<td>AIX</td>
</tr>
<tr>
<td></td>
<td>Solaris</td>
<td>Solaris</td>
</tr>
</tbody>
</table>

**Deployment on the same server as Alliance instance**

It is possible to deploy Alliance Web Platform Server-Embedded with the Alliance instance on the same server.

SWIFT recommends deploying Alliance Web Platform in a resilient infrastructure and outside of the Dematerialised zone (DMZ). This should be taken into consideration when installing Alliance Web Platform on the server with Alliance Gateway.

### 4.1.6 Alliance Web Platform resiliency options

The resiliency options of Web Platform depend on whether it is deployed with an embedded application server or on a customer's IBM WebSphere Application Server. Below a few possible configurations are suggested. Please note that SWIFT has not qualified these configurations but will provide support in line with the supportability statement for unqualified environments (see section 4.1.4).

**Alliance Web Platform Server-embedded**

One of the following options can be considered for Alliance Web Platform Server-Embedded server:

1. Install two (or more) Alliance Web Platform instances, all connecting to the same set of Alliance instances
   
   The features of this configuration:
   
   - This is the cheapest solution from the initial investment point of view, as it requires no additional licenses, nor clustered hardware.
   - It requires the administrative tasks to be carried out on each of the configured Web Platform instances: synchronising server configurations and databases.
   - A different URL will have to be assigned for connecting to each of these the Web Platform instances; this can be used for static load balancing.

2. Deploy Alliance Web Platform Server-Embedded with a hardware load balancer. In this configuration, a single URL can be defined for both Web Platform instances. Note that deploying a hardware load balancer is the customer's responsibility and has not been tested by SWIFT.

3. Install Alliance Web Platform on a clustered server (that is a server composed of an active system and a dormant system sharing a common disk subsystem). Note that the cluster configuration is the customer's responsibility and has not been tested by SWIFT.
   
   The features of this configuration:
   
   - It includes a single operational instance of Alliance Web Platform. No load-balancing is thus possible in this configuration.
   - Clustering provides the failover solution in case of hardware failure.
   - Set-up and maintenance of this configuration requires from the customer in-house expertise in the chosen clustering technology.
**Alliance Web Platform on IBM WebSphere Application Server**

SWIFT qualifies the deployment of Alliance Web Platform on a customer application server in a clustered configuration as provided by IBM Web Application Server.

Such configuration is shown on Figure 2 and consists of:

- a single node with running deployment manager, HTTP server, database and user registry
- two or more nodes with application servers and deployed Alliance Web Platform

This configuration offers a resilient solution with integrated load balancing. However, it also contains single-point-of-failures, such as the database and HTTP server.

Figure 2 - Qualified configuration with IBM WebSphere Application Server

To further increase the resiliency of the Alliance Web Platform and remove single-point-of-failures, customer may choose one of the following approaches:

1. Deploy the node with Network Deployment Manager, database and eventually user registry on a standard clustered server with a mirrored disk
   
   The features of this configuration:
   
   - It includes several operational Alliance Web Platform instances. Load-balancing is provided as part of IBM solution
   - Clustering and mirrored disk provide a failover solution in case of hardware failure
   - Set-up and maintenance of this configuration requires from the customer in-house expertise in IBM WebSphere Application Server and the chosen clustering and mirroring technologies. SWIFT does not possess technical expertise to assist in setting-up such configuration

2. Configure two nodes, each with Network Deployment manager and a single application server instance (as shown on Figure 3). Note that this configuration is customer’s responsibility and has not been tested by SWIFT.

   The features of this configuration:
   
   - This is a highly resilient configuration
   - It includes several operational Alliance Web Platform instances. Load-balancing can be achieved with installation of a hardware load balancer
It requires the administrative tasks to be carried on each of the configured Web Platform instances, including keeping in synchronisation the servers configurations and databases.

Set-up and maintenance of this configuration requires from the customer in-house expertise in IBM WebSphere Application Server. SWIFT does not possess technical expertise to assist in setting-up such configuration.

**Figure 3 - Resilient configuration with IBM WebSphere Application Server**

### 4.1.7 Network Bandwidth

The usage of Alliance Web Platform requires at least 64Kb of network bandwidth.
4.2 Setting-up Alliance Web Platform

Whether adopting the server-embedded or the customer’s application server deployment version, setting-up Alliance Web Platform instance involves several steps, which are described in a high-level below. Please refer to the product documentation for complete description of the installation procedure.

1. Alliance Web platform server installation
   Both versions of the product are delivered together with the Alliance server software (Gateway, Access, Integrator) or on the Download Centre under the Alliance Web Platform and Alliance Web Platform Server-Embedded entries.
   The detailed installation procedure of the Alliance Web Platform and its server-embedded version can be found in the Alliance Web Platform (Server-Embedded) Installation Guide.

2. Functional packages installation
   The functional packages are delivered in a form of .pac (in 6.3) or .ear (as of 7.0) files together with the related Alliance server, either on DVD or Download Centre.
   The table below will help to locate the functional packages:

<table>
<thead>
<tr>
<th>Product</th>
<th>Alliance Access</th>
<th>Alliance Gateway</th>
<th>Alliance Integrator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Functional packages</td>
<td>Messenger</td>
<td>Gateway Administration</td>
<td>Alliance Integrator</td>
</tr>
<tr>
<td></td>
<td>Relationship Management</td>
<td>Browse</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Access Monitoring (as of 7.0)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Access Configuration (as of 7.0)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Software Location</td>
<td>Alliance Access DVD</td>
<td>Alliance Gateway DVD</td>
<td>Alliance Integrator DVD</td>
</tr>
<tr>
<td></td>
<td>Alliance Access entry of Download Centre</td>
<td>Alliance Gateway entry of Download Centre</td>
<td>Alliance Integrator entry of Download Centre</td>
</tr>
</tbody>
</table>

Functional packages are installed individually on Alliance Web Platform. The detailed description of the functional package installation procedure can be found in the Alliance Web Platform Installation Guide.

3. Alliance Servers and Server groups configuration
   Independently from functional package installation, the Web Platform Administrator needs to configure the connections to the individual Alliance servers: Access, Gateway and Integrator.
   It is also possible to organise the servers in logical Alliance Server Groups.
   The procedures to configure Alliance server instances and groups are described in Alliance Web Platform Administration Guide.

4. Application groups configuration (optional)
   At the installation of every functional package, Alliance Web Platform creates automatically a default application group with following features:
   - The group contains all the applications available in the installed functional package.
   - A pre-defined URL is associated with this group.
   - This application group is associated with all the Alliance servers.
   With this configuration, Web Platform is already in operational state. However, to adapt its configuration better to the operational needs, administrators may create additional applications groups. Such customer-defined groups:
   - May contain applications from different functional packages
   - May have a user-defined URL
   - May be associated with a single Alliance server or a customer-defined group of Alliance servers
   The procedure to configure application groups is described in Alliance Web Platform Administration Guide.
4.3 Upgrading to the next release

In an infrastructure with several Alliance servers of different releases connected to a single Alliance Web Platform server, customers will be able to access the complete functional set of each Alliance server. To enable this feature, as of 7.0 Alliance Web Platform will be able to host the functional packages of the previous releases.

Upgrading of the Alliance environment with Alliance Web Platform to the next release requires customers to undertake the following steps:

1. Upgrade Alliance Web Platform to the next release
2. Install the functional packages of this release
   Note that the upgrade of the Alliance Web Platform preserves the functional packages that were already installed, enabling backward-compatibility with the currently deployed Alliance servers.
3. Upgrade the Alliance servers
   The upgrade of Alliance servers can be done gradually.
4. Uninstall functional packages of previous release.
   A functional package can be uninstalled from Web Platform, once all the Alliance servers used with this functional package are upgraded to the latest release level.

![Diagram showing connectivity between Alliance servers and Web Platform](image.png)

Figure 4 - Upgrading of Alliance environment with Alliance Web Platform
5 Licensing

Web Platform licensing

Alliance Web Platform is an integral part of Alliance Access, Entry, Gateway and Integrator products and is delivered and deployed with them at no additional charged licence option.

5.1 Alliance Gateway / WebStation

Alliance WebStation currently exists in two configurations:

- Connected to Alliance Gateway
- Directly connecting to SWIFTNet (a standalone product)

With the upgrade to Alliance Web Platform, **WebStation connected to Alliance Gateway** will no longer be available. As of release 7.0, Alliance WebStation for usage with Gateway will not require a special licence and ordering and will be delivered ad hoc with Gateway software.

**Alliance WebStation in direct connection** mode remains an orderable product.

Concurrent users

Concurrent users are licensed on the Alliance interface servers. So, the number of required concurrent users will be licensed on Alliance Gateway. The licensed users can connect either via WebStation or Web Platform.

5.2 Alliance Access / Entry / Workstation / Messenger

Release 6.3 and before

Alliance Messenger

The usage of Alliance Messenger in release 6.3 and before is subject to a dedicated licence option. To use Messenger, either as a dedicated product installation (before 6.3) or as a functional package on Alliance Web Platform (6.3), customers have to order the Alliance Messenger concurrent users option (available on the Alliance Access/Entry ordering form).

Concurrent users

Alliance Access/Entry has the following two licence options controlling the maximum number of concurrent desktop users:

- Concurrent Users on Alliance Workstation
  - This option controls the number of Alliance Workstation concurrent users
- Concurrent Users on Alliance Messenger
  - This option controls the number of Alliance Messenger concurrent users

Release 7.0

Alliance Messenger

In release 7.0, Messenger functional package will be delivered without any additionally charged licence option.

Concurrent users

Alliance Access/Entry customers will have a new licence option named "sessions", that defines the maximum allowed number of concurrent users, that is to say, the number of established concurrent client sessions on the server. This is independent of the origin of the client session: Alliance Workstation, Alliance Web Platform, a SOAP client or a customer application developed using Access Web Services.
5.3 **Alliance Integrator**

There are no user licensing restrictions associated with the functional package for Alliance Integrator. Any number of concurrent users may access the Integrator server via the Alliance Web Platform.