Logipad aero

Optimize processes inside and outside of your cockpit with Logipad EFB & EFF

Our solution stores and retrieves data and documents, digitizes workflows, processes and helps you to achieve a paperless cockpit.

CLOUD-BASED

ON-PREMISES

IOS

WINDOWS

MODULAR

CUSTOMIZABLE

www.logipad.aero

Focus on efficiency before, during and after the flight

Logipad Electronic Flight Bag is the right choice if you are looking for a highly customizable, flexible, and comprehensive information management solution. The complete solution package focuses on three main areas: **Briefing, Documentation, and eForms** which support your processes before, during, and after the flight. In addition, it helps you to support and enhance existing business processes. The EFB application with its administrative environment integrates seamlessly into existing IT infrastructures. Logipad provides interoperational functionalities with homogeneous IT infrastructures such as data exchange with third-party server systems as well as data exchange with existing applications on the client side.

Key Benefits of Logipad

Digital Process Optimization

An Electronic Flight Bag is not just about replacing paper-based briefings; it is a matter of cutting away layers and managing processes in an efficient way. We ensure that process steps are adhered to – not only for compliance reasons.

Customization

One of our strengths lies within our high degree of customization. It is essential for us to understand your specific use cases and individual requirements. In this way Logipad fits into our customers' existing processes and optimizes them, not the other way round.

Communication and Collaboration

The application and the underlying processes facilitate communication and collaboration between the crew and ground staff as well as within the crew. Pilots are able to exchange briefing data between devices. The application area of Logipad extends beyond aircraft cockpits; even cabin crew members and maintenance engineers benefit from the documentation and eForms features.

Usability

Beyond the requirements of the ARINC 633 standard, we have optimized the application for efficient usability so that pilots can focus on essential tasks and procedures. For pilots, the easily accessible and clear structure of flight-relevant data is crucial. Logipad ensures a focused workflow with input validation, fast capture visual elements, and a reduced interface.

Look and Feel: A Matter of your Requirements

We adjust the look, structure, and process to the demands of our customers. And there is no need to renew the whole application in case you want to modify the layout of the Electronic Flight Folder view or another section. Keep in mind: The management of your data can also be customized, such as fuel consumption data and the corresponding prices stored in the backend. The Data can then be transferred to other systems, for example for fuel optimization.

On-Premises or Cloud-Based

Logipad enables small, medium-sized, and even large airlines a safe and secure EFB solution. We advise you which model fits your existing infrastructure.

Role-based Management

Role-based management helps to provide relevant data to the right users, user groups, or departments, such as flight operation, maintenance, or cabin crew. It is even possible to set different permissions for each user role within a crew. Plus, completed briefings are signed with a user-based certificate (eSignature), pen or finger signature.

Synchronization Processes

Streamlined processes provide single actions to keep users up to date with all assigned content such as the most recent versions of weather charts, forms, or manuals. The sync prioritizes flight-relevant data when time needs to be saved or when the data traffic is limited. Our app supports partial updates of EFF packages according to ARINC 633 specifications.

Match Requirements

Our data processes are standardized and meet the requirements set out by the FAA and the EASA in the AC120-76B and NPA 2012-02 (former TGL-36) documentation. The Electronic Flight Folder module uses briefing packets according to ARINC 633 standard.

Protected Access and Compliance

Depending on the existing hardware, Logipad supports authentication via face recognition, fingerprint, user name and password, or oAuth authentication. In addition, it is possible to create compliance reports on user actions and read confirmations for flight-relevant documents. Furthermore, it is possible to use OpenID connect with your existing company account with 2-factor authentication.

01 Electronic Flight Folder Module

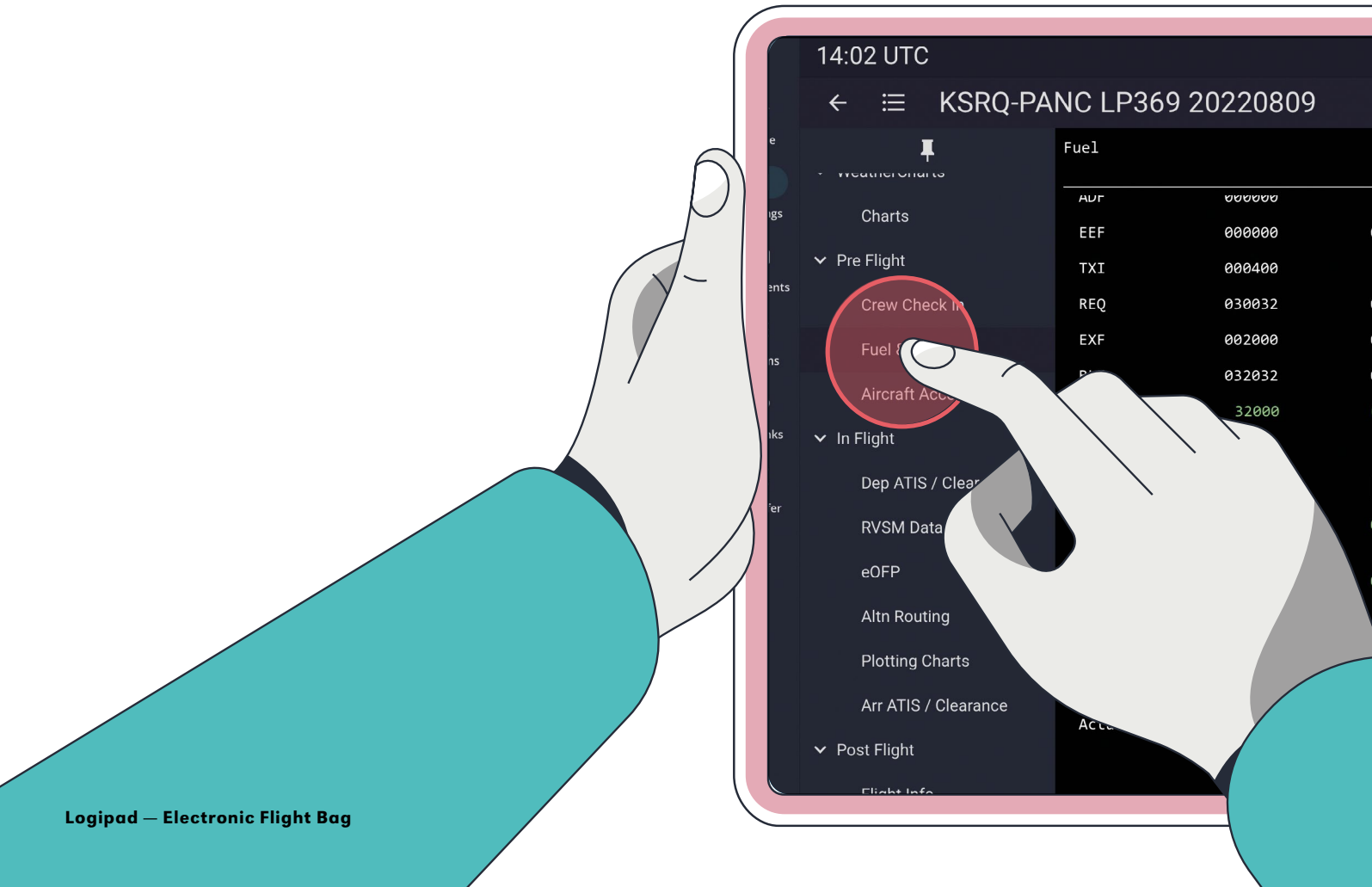
Briefing handling based on best practices

Based on best practices flight procedures the Logipad Electronic Flight Folder (EFF) is designed to provide pilots with flight-relevant briefing data in digital form. Correctly handling digital briefing data unlocks a high potential for optimizing processes and saving time, as well as for decreasingly the likelihood of potential errors. Flight operations personnel and EFB administrators can use a briefing manager web interface to view and modify the content of an EFF package generated by a flight planning system. Even EFF updates sent at short notice before the flight can be provided directly onto a mobile device.

Usability within the cockpit

The pilot-friendly operation allows flight-relevant data such as fuel, weight, and time to be documented efficiently during the flight. Thus, Logipad facilitates communication within the crew and between the crew and ground staff. The Electronic Flight Folder contains flight plans, NOTAMS, weather charts, and additional flight information, for example, and the structure can be adapted as required.

The Electronic Flight Folder module is part of the comprehensive Logipad Electronic Flight Bag solution. However, the single EFF module is also available as a standalone application.



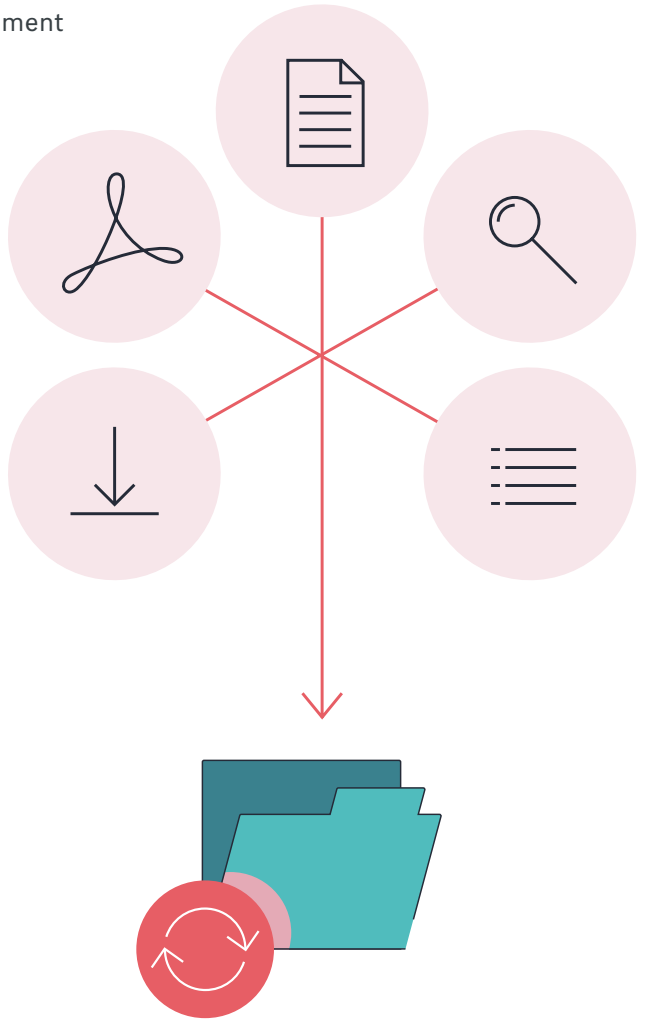
02 Documentation Module

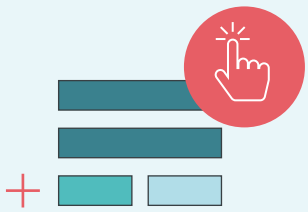
The right documents for the right user at the right time

The module is where users access all documents synchronized for them. The overview shows all important additional information at a glance. For instance: priority status, version, modification dates, and confirmation status. Operational authorities are able to set different priorities for documents or mark them as to be confirmed. Prioritized documents can be visually highlighted and grouped in a separate view to grant users quick access. Administrators can also restrict the export actions of confidential documents.

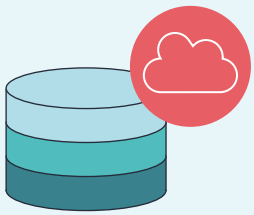
Our search engine saves you time. Search the entire library using Logipad's powerful full-text search. We have built in a mechanism that optimizes the searchability of documents before the process even begins in order to speed up the search. The built-in document-reader supports various document types such as: PDF, HTML, XML, HTML-ZIP, BOEING EDB, EXCEL, WORD, POWERPOINT, and several media formats.

The optional Notices view adds a new library of directories to Logipad and complements the existing Documents module. It contains all pre-flight documents, notes, media, or other information important for collaborative work within the flight crew.





EFORMS WITH
DRAG AND DROP EDITOR



CLOUD-BASED
STORAGE

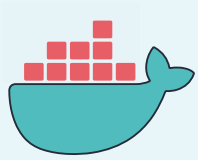
INDIVIDUAL
DASHBOARD/POWER BI

03 eForms Module

An intuitive way to collect data

Electronic forms have become more and more important as digitzation and automatic data processing has progressed. The Logipad eForms Module allows you to create your own electronic forms with our intuitive eForm drag and drop editor or use existing templates. eForms are not limited to simple text input or selection fields. Data input can be automated using the integrated QR code scanner, for example. No matter whether they record flight-relevant data or performance evaluations of service personnel. You have the option of evaluating the data via an individual dashboard or in Power BI. All entered data is stored on the device for offline use. Once a Wi-Fi or mobile data connection is established, completed eForm inputs can be sent to the backend system. Even workflows and notifications can be triggered to inform the relevant users/roles when, when eForms have been stored or have arrived on the server. Documents and photos can also be attached and forwarded via an appropriate eForm.

04 Tech Specs



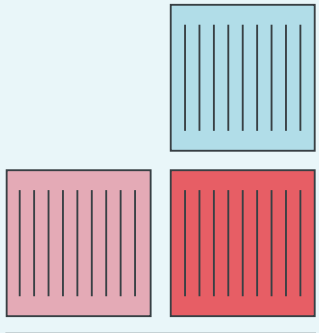
Fast and easy to execute

Logipad is build using the containerization approach. All the services are separated into small entities - called microservices - and will be executed within a containerization environment like Docker or Kubernetes for high availability. Logipad can be deployed in an on-premises Kubernetes environment installation or in a Cloud based Kubernetes environment like Azure Kubernetes Services (AKS).

For both deployment environments the underlying Logipad services are identical.

In a containerization approach, instances of the microservices are supposed to be stateless. This mean that these services itself do not store any important data. In case an instance fails, no data will be lost, and a new instance of this service will be instantiated and continues to operate.

The Logipad microservices are running in an isolated network within the containerization environment. The services are published using a reverse proxy. This increases the security, as it limits the attack surface. The reverse proxy acts as a firewall between the outside network and the microservices.



CONTAINERIZATION APPROACH

05 Cloud

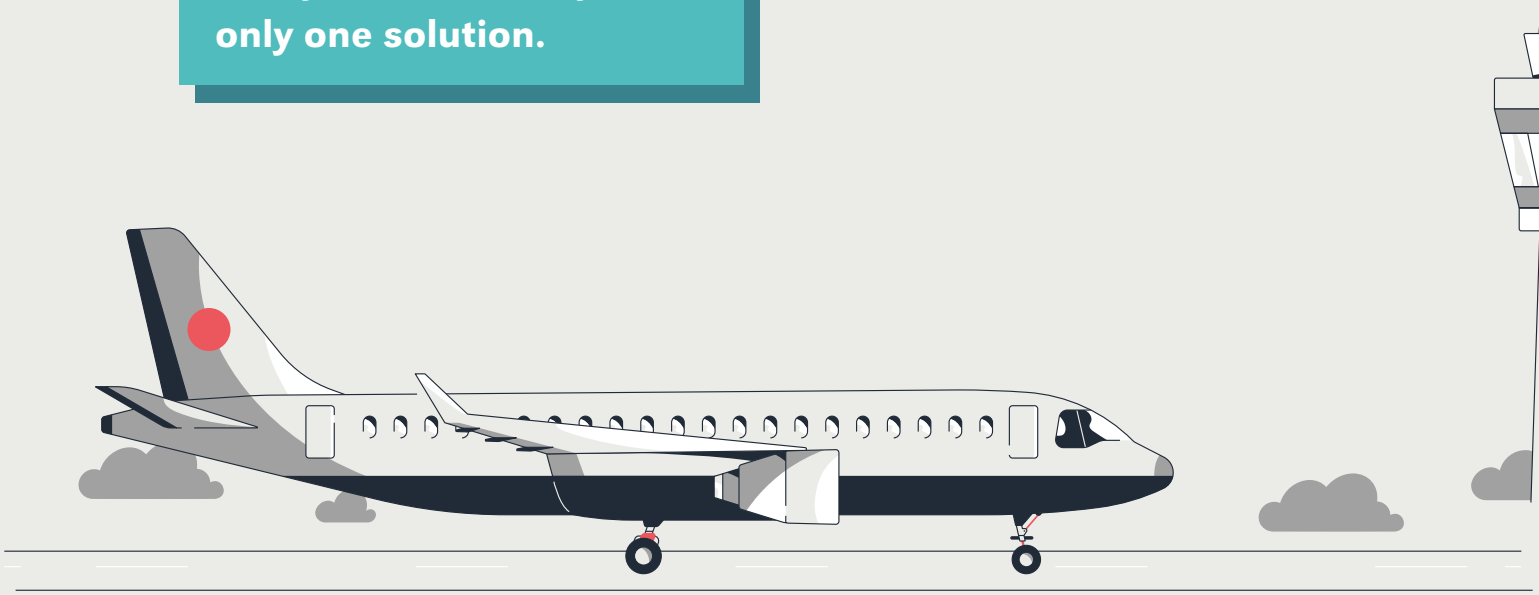
A Match in the Sky

In case the Logipad application is deployed within a Cloud Containerization Environment service, please consult the instructions of the cloud provider for recovering the containerization environment.

After the containerization environment is restored and the backend database is fully functional, a deployment of the Logipad services can be done within one hour.

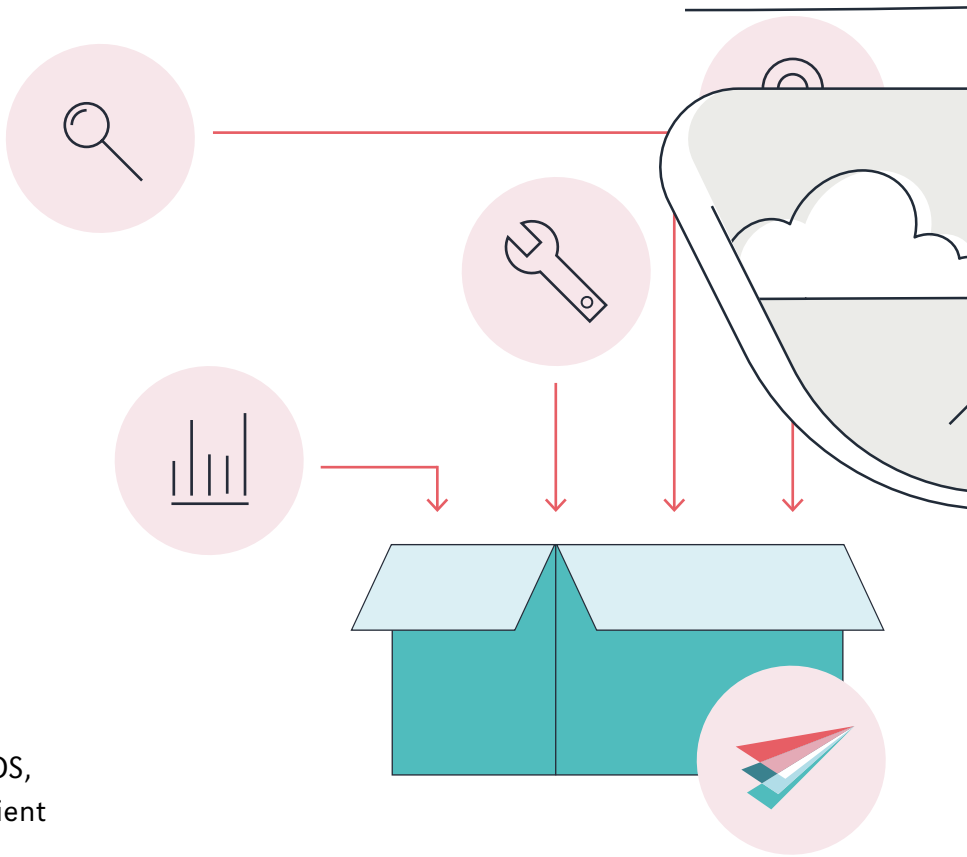
In case the Logipad application is deployed within an on-premises containerization environment service, the installation of the containerization environment needs to be performed.

Logipad is an EFB solution, which enables flight crews to perform flight management tasks more easily and efficiently with only one solution.



Features and Tools of the Complete Solution Package

- → Briefing Manager Tool
- → Electronic Flight Folder
- → Customizable eForms
- → eForms Generator
- → Device-to-Device communication
- → QR-code scanner
- → Day and Night mode
- → Partial EFF updates
- → Priority Sync
- → Full-text search
- → Document prioritization
- → Role-based management
- → Notices view for pre-flight documents
- → Configuration of individual devices
- → Data exchange with third-party systems and applications
- → Custom dashboard for reports
- → Power-BI interface
- → eSignature with user-based certificates
- → Running on mobile phones and other iOS, Windows, Android devices incl. Web-Client
- → Ready for cloud-based or on-premises environments
- → Seamless integration with existing mobile device management systems
- → Protected Access with oAuth (2 factor authentication) and biometric authentication
- → Supported third-party flight operations systems and applications: LIDO, PPS, NavBlue, Skyplan



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DextraData

Following agile principles, fast and according to individual requirements – this is how we develop our software solutions. Our clients benefit from years of experience and the broad spectrum of our portfolio.

As an owner-managed IT consulting company and independent software vendor, we have been supporting our clients with IT solutions for 25 years. Our team also brings more than 15 years of experience in the aviation industry.

Providing efficient process support is our guiding principle and it is important to us to understand the business of our customers and their requirements. For these reasons, we are in regular dialogue with our customers. Our work does not end with the implementation; we accompany our customers beyond it. We continuously ask for feedback and directly optimize our solution according to the individual requirements.