

The Lokulus Application Development Kit (ADK) offers a low code platform to seamless integrations and deliver engaging user experiences.

Built with re-use in mind, a security-first ethos, and using a modular approach, the ADK comes with federated security throughout, integration via configuration, and fully customisable data structures. The ADK consists of Stash, Connect, Flows and our identity service, Vouch .

Security

Security for the ADK is provided by Vouch, the Lokulus Single-Sign-On Platform (SSO) and is based on claims authorisation and transformations. The Lokulus SSO platform allows an end-user to transparently use a single identity to access multiple applications simultaneously whilst controlling an application's access to sensitive information. It consists of:



Our identity service secures the entire Lokulus portfolio of solutions. For use alongside and external to Lokulus, Vouch provides an enterprise-wide security ecosystem that federates onto common third-party identity providers, such as

Microsoft or Google.

The Stack

Stash

Stash is a Data Storage API. No coding is required to define your data structures, and resources are easily shared.



Stash is an industry standard, JSON-based data store for customer and transient data. New data formats can be defined and manipulated without the need for bespoke tables; no coding is required, and resources are easily shared.

By utilising Vouch, Stash intelligently secures your data by default, right down to the individual document level. Individual documents and document types can also be secured using claims and claims authorisation.

Connect



Connect provides the logic layer used for, providing a single, secure mechanism to access all core platform services.

Our toolkit enables simple connections to common APIs such as RESTful or SOAP, plus wider integration into our Lokulus platform.

Connect is used to:

- Surface client data and legacy systems via a modern, secure API.
- Add additional logic over the solution's Stash data stores.
- Surface core platform services and data and integrate into a single API if desired.

Flows



As the presentation layer, Flows provides modern, responsive user interfaces for Lokulus' ADK solutions. Flows has the following features:

- Supports fully-featured HTML5 data entry and dashboard-style user interfaces.
- JSON-based configuration, with CSS3 for styling control.
- Simple, secure integration of client or third-party components and systems.
- Easy to extend solutions with plug-ins for any non-standard or animated UI elements.
- Low code and UI skills required, removing associated build and maintenance costs.