



A Better Way to Create Enterprise Apps

 KnowledgeKube®

Create enterprise apps the easy way

KnowledgeKube is the fastest way to develop highly connected enterprise applications for the Web, Windows, iOS and Android.

Create and deploy applications across the enterprise with ease. Connect to enterprise data, cloud services, multiple devices and much more.

A platform for everyone

KnowledgeKube is the empowerment platform for all user types.



Excel Users

Want the Power & Convenience of spreadsheets with the Accessibility of Enterprise Apps?



Business Users

Know your Processes Better than anyone? Rapidly build Direct from the Business



Designers & Developers

Getting swamped by the little things? Free more time for the Big Things...

Productivity Redefined!

Work Smarter.....From Concept to App Faster!

By moving away from Traditional Development methods, Apps of any scale can be produced in a fraction of the time and cost.

Truly Cross Platform Build Once, Publish to All

- Cross Platform Apps without the hassle of HTML, custom APIs or Cross Compilations.
- Without a doubt, the fastest way for business users and IT professionals alike to create, test and deploy Enterprise Apps to run across devices without change.

The Power of the Cloud.

Cost effectively Scale the Apps you Build and Deploy

Success is not something that can be easily predicted, first impressions last... KnowledgeKube supports elastic scale, so you can focus on what matters... The App...

By adopting the Microsoft Cloud as our deployment platform you can cost effectively scale the successful apps you build and deploy.

How?

Data

Extract value and join the intelligent economy

Collate, rationalise, add and extract value from your existing data repositories. Easily connect, extend and add value to existing systems and data sources. Integrate data in and out, to and from anywhere via an intuitive user interface.

Forms

Simple. Flexible. Controlled

Where life begins. A sophisticated and flexible builder enables advanced forms to be created and continuously improved. Introduce data capture fields for free text, drop downs, multiple selections and even machine learning. Easily introduce mandatory and optional decision making, field validation, look up lists and help text narrative.

Expressions

Accurate decisions, faster.

Automate behaviour

Build and add advanced mathematical rules that automate decision making and intelligence directly into your applications. Deliver personalisation, accuracy and consistency into business processes for better business outcomes.

Workflow

Agile for faster outcomes

Make relevant things happen faster. Configure multi-channel outputs with absolute flexibility - emails, calendar updates, data processing and more. Design first class workflows to collaborate and manage complex enterprise interactions.

Documentation

Raise expectations

Branded and personalised role driven documents rendered in multiple formats, a given. Whatever the requirements, generate high quality documents that support entire data gathering and output needs, however complex. Incorporate form and expression data plus external information. Render out through standard office applications. Distribute anywhere.

Reports and Business Intelligence

Actionable insight delivered fast

Drive real-time reporting on your process performance and status. Customise a drag and drop dashboard out-of-the-box for BI reporting on any element of your process and outcomes. Continuously improve processes and applications based on insights you glean.

Globalisation

Deliver outside home markets

Support multiple cultures and markets in different languages. Models, expressions and document generation come fully globalised with built in localisation tools.

Extensibility

The freedom to innovate further

Maximise existing investment in systems, libraries and custom code vital to on-going operations. Create question plug-ins, expression functions and custom workflow actions using Microsoft C#, VB.NET or even managed C++ with a high performance extensibility model.

Connectivity — Data access made easy

Connect to over 60 products, services, formats and technologies straight out of the box, and all without any programming - or create your own in minutes!



Who's Benefiting from KnowledgeKube

Our proven technology is used in over 150 countries by some of the world's biggest names



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More About KnowledgeKube

Organisations have diverse requirements, global shortages of IT development resource, IT teams are stretched and cannot focus on core systems improvement and often get locked into “stop the world” implementations and change processes.

So, what’s the Solution?

KnowledgeKube, a single platform for the creation of highly connected enterprise applications on the Web, Windows, iOS and Android.

The agility of the platform meets the challenges of organisations and enables continuous modification

Dynamic changes to support tactical organisation pressures and to support in market conditions

Support independent growth and change for different businesses, business units and departments

Not locked into “stop the world” implementation and change processes

Fundamental flexibility + approach = easily translate to outcomes

Business can provide plain language requirements

- Rapidly create prototypes
- Rapidly create or transition to working processes

Integrate to existing architected data, systems and services

- Systems of record, systems of engagement, corporate and third party services

The platform

The platform centres around the creation of models, which users build using our cloud based model designer. Models are containers for rich functionality, roles and states. A single model can be a simple app. Multiple models can be combined to form more complex apps, with each one talking to each other.

Apps can be delivered as:

- Standalone Web Applications
- Intergrated Web Applications
- Native Android, iOS and Windows (tablets and phones)
- Middleware
- Scheduled Events

More on Models

Models can include unlimited Forms, Data Sources, Data Flow Packages, Integrated Roles and Memberships, Model Transitions and Model Navigation.

They can be published out as HTML / HTML5, to native devices (Tablets, Phones and PC's) on Android, iOS and Windows, as well as Application Templates to Azure/Cloud.

Sub-models can encapsulate variation; Expressions, Controls, Documents, Roles and States, define ranges and utilise matrix lookup definitions, allowing the production of systems such as Real Time Price Comparison Applications.

The screenshot shows a web-based insurance quote interface. At the top, it says 'JLT FLATS INSURANCE COVER' and '01202 446450'. Below this is a progress bar with four steps: 1. Your Details, 2. Your Quote, 3. Review & Confirm, and 4. Payment. The main content area is titled 'YOUR QUOTE' and is divided into two columns for 'Sub-model 1' (AVIVA) and 'Sub-model 2' (AXA). Each sub-model shows a 'Total Premium Payable Inc. IPT' of £466.06 and £438.87 respectively. Below this is a table of contract details for two different contracts. The table has columns for 'Contract Works', 'Loss of Material/Repairs', 'Replacement Lockdowns', and 'Theft & damage'. The first contract (QLA0000000679) has a value of £100,000 any one contract, £25,000 any one claim, £5,000 any one claim, and £50,000 any one claim. The second contract (QLA0000000678) has a value of £25,000 any one contract, is not included for loss of material/repairs, has a benefit of £5,000 in total during the period of insurance, and is included for theft & damage. Below the table are sections for 'Useful Documents' and 'Important Note'. At the bottom, there are 'Add Extension Cover' buttons and a 'Total Premium' section showing £466.06 and £438.87. Annotations with arrows point to various parts of the interface, such as 'Primary Model', 'Sub-model variation', and 'Sub-model action (UX+button)'.

Native Mobile, Data Connectivity and More...

In addition to smart features and its expansive data connection capabilities, KnowledgeKube is packed full of advanced functionality.

Data Designer

- Integrated Data Definitions
- Zero Maintenance
- Standard Data Source Creation
- Object Based
- Point in Time Source Control

Document Generation

- Dynamic Document Rendering
- Microsoft Word Template Engine
- Output to PDF, Excel, Word and Text
- KnowledgeKube Expression Support

Natural Language

- Integrated at data provider level
- Designed for End Users, not computer scientists
- Apps communicate with people in the way they speak

State Management

- Unlimited States
- Link to Memberships
- Use States in Forms
- Use States in Documents
- Support for Expression Engine

Application Gateway

- Highly Scalable Service
- Secure Access
- Provides Middleware Access
- Centralise Business Logic and Workflow
- RESTful Support

Scheduler Service

- Elastic Scale
- Schedule unlimited jobs
- Create Schedules from Back Office
- Schedule Frequency
- Limit Number of Runs
- Integrated Error Handling
- Full Execution Logs

Native Mobile

- Tablet and Phone Form Factors
- Android, iOS and Windows 10 Support
- No Cross Compiling
- No HTML
- Zero Development

Geo-Location Support

- Tablet and Phone Form Factors
- Android, iOS and Windows 10 Support
- No Cross Compiling
- No HTML
- Zero Development

Membership

- User Management
- Integrated Membership
- Workgroups
- Active Directory Support
- Open ID Support
- OAuth 2.0 Support

Plus support for Expression Engine, Model States, Form Engine, Document Rendering Engine, Data Sources and Data Flow.

See for yourself

Find out more about what KnowledgeKube can do for you with a **free demo**.

Visit www.knowledgekube.co.uk/book-a-demo

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Data Connectivity With KnowledgeKube

Use KnowledgeKube to create highly connected web and native mobile apps that can be deployed across the enterprise and that easily connect with enterprise data, cloud services and devices.

It's Your Data

KnowledgeKube provides a variety of methods for connecting and managing your data.

Access data from over 60 commonly used systems, services and technologies using KnowledgeKube's built-in data providers, without programming and without fuss. Alternatively, use our in-memory data provider, it's compact, secure and fast. For even more flexibility, you can define your own data providers, without programming and without leaving KnowledgeKube.

KnowledgeKube makes the connection to data simple.



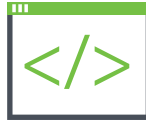
The fastest way to connect enterprise apps to internal enterprise data repositories

Using KnowledgeKube, you can create highly scalable apps that can easily connect with your existing relational data.



Enterprise Database Access

High-performance enterprise database access for Oracle, DB2 and Microsoft SQL Server.



Advanced Expression Engine

Use the expression engine to search, aggregate and filter data sources.



App Connectivity

Connect your apps to Microsoft Azure databases and blob storage.



Independent Indexing

Index your data sources **independently** within KnowledgeKube and empower your apps with advanced cognitive functions.



CSV Data Sources

Utilise our highly performant, compressed, **CSV data sources** to cache results or build tabular data on the fly.



Rapid Connections

Rapidly connect your apps to databases on-premises or in a private cloud.

Data access made easy

SQL Data Sources

Connect to existing enterprise data sources via one or more of the KnowledgeKube SQL providers. Data sources can be utilised by a single KnowledgeKube model or shared across multiple models and/or data processing packages.

SQL data sources can be linked to a table or can be composed of SQL code and joins. Alternatively you can use native SQL views or stored procedures.



Indexing Data Sources independently from their original source

Data Sources can also be indexed independently from their original source to provide advanced full text indexing capability without a third-party dependency.

Multiple data sources can be independently indexed and used in the same search context even if the underlying data provider does not support indexing.

“Did you mean?” spelling suggestions

Includes custom dictionary support for organisational acronyms, terminology and names.

Powerful indexing choices

Indexes can be assigned to location categories and multiple content categories, giving end-users choice in which sections of data are searched.

Index more than just databases

Many common file formats can be indexed, including Microsoft Office, PDF, RTF, TXT, HTML, with support for common text encoding schemes, including Unicode, UTF-8, ASCII, Cyrillic and Greek.

Smart results

Results include keyword highlighting and smart suggestions.

Complex expression support

Powerful expression capability includes use of wildcards, nested groups, partial or full exact phrase matching, plus NOT, ORs and ANDs.

Stemming and lemmas support

For example, run, runs, ran and running are forms of the same lexeme, with run as the lemma.

Built in Data Providers

Connect to over 60 products, services, formats and technologies straight out of the box, and all without any programming.

A selection of the popular built-in data providers is shown below.

Connecting to other data sources is simple too

When you don't have a built-in data provider, you can create your own within KnowledgeKube.

They take minutes to set up, do not require any programming, and once ready, can be distributed and used by any of your back office app developers.

KnowledgeKube sees custom providers as it would a built-in one, no differences, no changes, meaning you can harness the full power of KnowledgeKube's data processing abilities with your own data providers.



Google BigQuery



Data Flow and Processing

KnowledgeKube data processing can apply advanced statistical analysis functions and machine learning algorithms.



Advanced Statistical Analysis



Machine Learning Capabilities



Decision Trees

Orchestrate and mine data from disparate enterprise systems together into organised processes.

- Build multi-step data processes (e.g. scoring of optimal data, business analytics, ETL processes).
- Support for bulk data writing technologies from leading database vendors.
- Save money on costly database changes.
- Output reports including data and graphs.
- Apply batch processing including machine learning algorithms.
- Execute arbitrary logic as a part of data transformation processes.
- Join heterogeneous data together.
- Create more interactive websites.
- Transform and query data on the fly including dynamic easy to use expressions.
- Increase flexibility by achieving automatically changing logic by learning from data.
- Query, filter and change data to implement arbitrary business rules.
- Achieve better integration between legacy and modern systems.
- Trigger processes from the web, scheduling or manual intervention.
- Provide simple reporting straight to Excel, Word and PDF.
- Perform statistical analysis, and common database operations like aggregations using drag and drop interface.

See for yourself

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