

# Kintone Web Database

## Your Project's Backend



Genji Fujimori, Developer Advocate



Slides



Press Space for the next page →

# Table of Contents ☰:

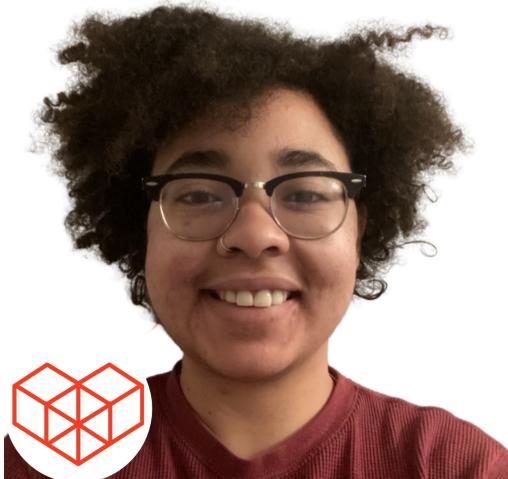
1. Hi from Kintone 🙋
2. Why Use Kintone in My Project? 🤔
3. Store Your Data in Kintone Web Database 🗃
4. Traditional vs. Kintone Databases 💡
5. Example - Space Invaders 🖼
6. Example - IoT Samurai Swords 🗡
7. Example - Hibotan / Flowerpot Project 🤖
8. Get your Kintone 📜
9. Kintone Prize 🏆

# Hi from Kintone



Erica Butts

Sales Engineering



Genji Fujimori

Developer Advocate



# Why Use Kintone in My Project? 🤔

**Free** - Kintone is completely free for developers. No credit card required!

**Easy** - Easiest way to setup a web database for your project! No server to setup!

**Quick** - Build a web app quickly with just HTML & JS!

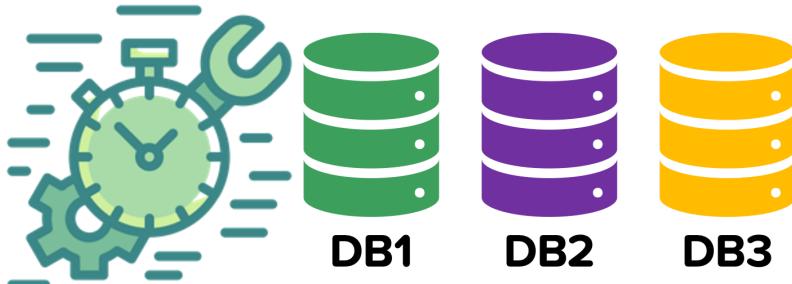
**Resources** - Ask Kintone staff for help! Lots of videos & articles to refer to!

# Store Your Data in Kintone Web Database



## Create & Configure Databases Easily

- No need to set up a server
- Simple GUI to setup the database



## Simple to exchange data with Kintone

- Lots of API endpoints to interact with your data
- Type safety built-in

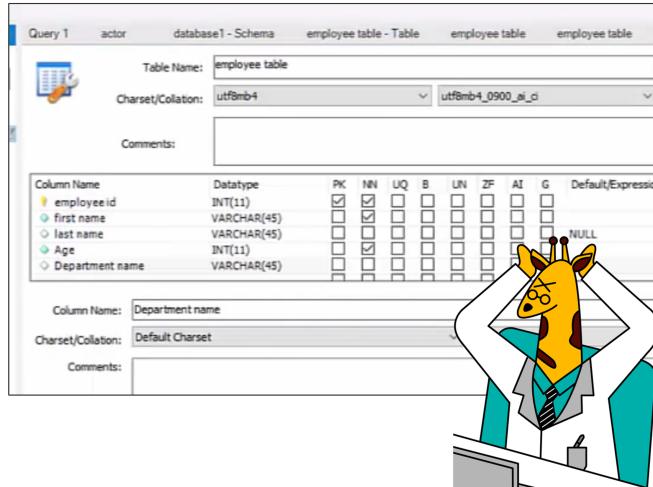


# Traditional vs. Kintone Databases 😐💡

## Traditional Databases 😐

Requires a high-level understanding of databases

Servers need to be constantly running & maintained to be accessed



## Kintone Databases 😊

Databases are created with intuitive drag-&-drop GUI

No servers set up required

A screenshot of the Kintone app builder interface. It shows a 'Sales &amp; Leads' app with a 'Form' tab selected. The left sidebar lists various field types: Label, Text, Rich text, Number, Radio button, Multi-choice, Date, Date and time, Time, Attachment, Link, Department selection, Related records, Blank space, Field group, Record number, Created date/time, and Updated date/time. The main area shows a 'Leads &amp; Sales' form with fields for Sales Representative, Contact Info (Company Name, Contact Name, Job Title, Email, Telephone Number), and Product details (Product Name, Product ID, Unit Price, Quantity).

# Space Invaders

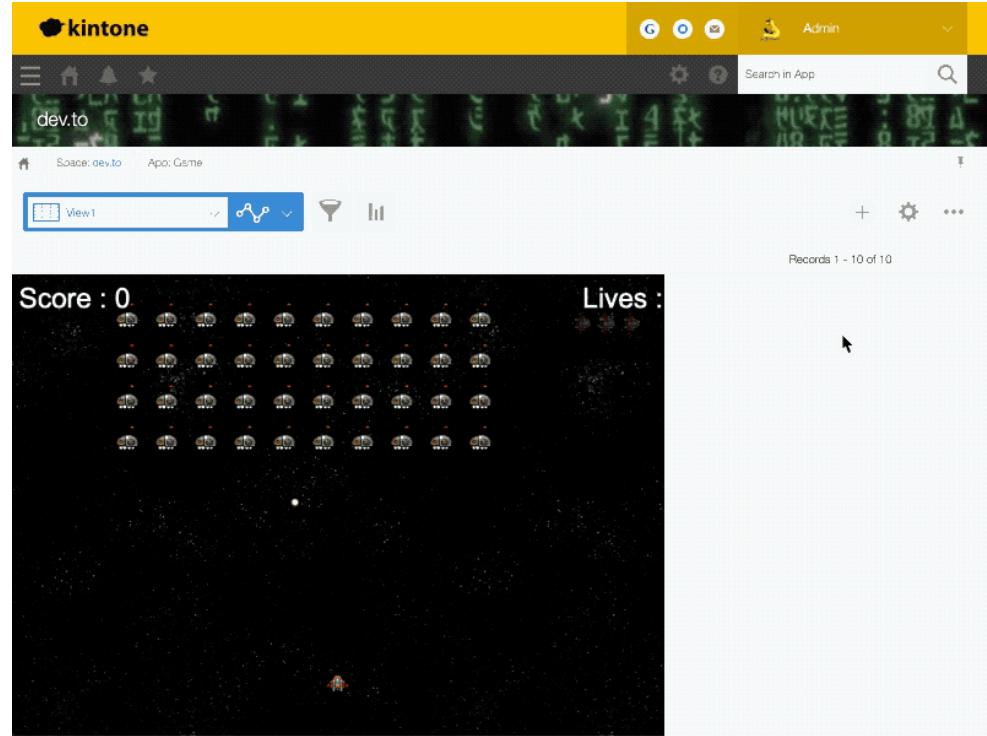


Created by @will\_yama & @ahandsel - Article

Run a Space Invaders game on a Kintone App!

Game specifications (number of aliens, aliens' health, etc.) are specified as Kintone records.

High scores can also be stored in Kintone.



# IoT Samurai Swords

Created by @RyBB - Article

Users are challenged to slice their enemies as quickly as possible with a samurai sword!

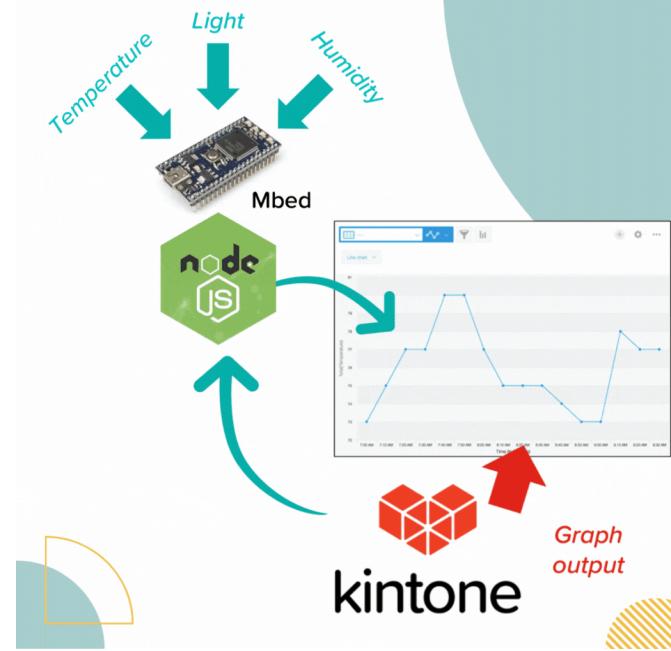
- Sensor records the sword action speed
- Kintone hosts the game, scoreboard, & IoT data
- Doll's magnetic head falls off when the user wins



# Hibotan / Flowerpot Project

Created by Nobuyuki Furukawa - ヒボたん

- A moving flowerpot that uses **Kintone** as the backend to store sensor data.
- Sensors are attached to a **mbed** microcontroller & periodically send data to Kintone via Node.js.
- Node.js checks Kintone's sensor values over time and controls the motors of the flowerpot.
- The flowerpot moves to a sunnier place.



# Get your free Kintone Web Database



Go to [Kintone.dev/new!](https://Kintone.dev/new)

Fill out the Developer License Registration form for your free Kintone Subdomain!

- Use Chrome or Firefox ( *NOT Safari* )
- ⚡ Accept Cookies First
- 🛡 Only use lowercase, numbers, and hyphens (-) for subdomain names
- Ex: weekend-hacker4life

Kintone developer program

[Kintone Developer License Terms of Service](#)

First Name\*

Last Name\*

Email\*

Which of the following best describes you?

Please Select

What first interested you in a Kintone Developer License?

Kintone Workshops  
 dev.to Articles  
 YouTube Videos  
 Other

What are you interested in using the Developer License for?

Studying programming  
 Codeless app development  
 Easy to use backend / Database  
 Making plugins for clients  
 My workplace uses it  
 Not sure yet!

Create your Kintone Developer License subdomain (lowercase, numbers and hyphens only)\*  
*For example: mydomain, coffee-lovers*

I agree with the [Kintone Developer License Terms of Service](#) and [Privacy Policy](#).\*



# Where to get help?

Here are some resources to help you use Kintone as your project's database!

-  [kintone.dev](https://kintone.dev) Read API Docs & Tutorials

- 
-  [forum.kintone.dev](https://forum.kintone.dev) Post Questions

- 
-  [@KintoneDeveloperProgram](https://www.youtube.com/@KintoneDeveloperProgram) Watch Tutorials

- 
-  Ask Kintone mentors Office Hours & Slack



# Kintone Prize



## Win the Best Use of Kintone Prize!

Every member of the winning team will get \$100 gift cards and swag! ☺

Every team that uses Kintone will also get swag!

