

2021

-

2022 SC Training - SC Tech Overview
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English translation by Genji

Press Space for the next page →

Concept /

TARGET

SC

New members joining the SC department!

VALUE

SC
SC

Overview of the required skill set for working in
the SC dept.

Overview of the upcoming SC training lectures

SC

- SE

-

- ,

-

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SC Dept.'s Position

- Essentially we are **System Engineers (SE)**
 - We **bridge** the Development & Sales dept.s
 - Many opportunities to present technical content to partners, external developers, & others!
- Showcasing tech in an "easy-to-understand" manner is vital!**
- Critically, we must understand the "tech"

/ sc Training Lectures

Find your interest! : SC

- Linux
-
-
- /
- / Web
- (cybozu.com)
- HTML / CSS
- JavaScript / API
- Git / GitHub
- Linux
- Computer Networking
- Database
- Shell Script & Regular Expression (RegEx)
- Authentication & Web Server
- Cloud Computing (cybozu.com)
- HTML & CSS
- JavaScript & API
- Git & GitHub

/ Operating System (os)

The Operating System (os) is the core software that runs the device

OS :

- Windows, Linux, MacOS
- Android, iOS

OS

-
-
- :

EXAMPLES OF OS:

- Windows, Linux, MacOS, Android, iOS

THE ROLE OF THE OS:

- Manages other software
- Mediates between hardware and software
- Ex) Typing on the keyboard triggers character input & pointer movement

/ Operating System (os)

LINUX

- Linux
- Unix ,
- :) !
- Unix

SC

Linux Windows Server
Garoon

LINUX LECTURE WILL COVER

- Linux history
- Unix command types and usage
- What is a command? : an *order*

Ex) Open a file using Unix commands

HOW WILL THIS BE USED?

Building on-premises Garoon
on Linux & Windows servers

/ Computer Networking

,
,

The tech that connects multiple devices
so they can exchange data
and share resources with each other

- SC
- .com
- Garoon

NETWORK LECTURE WILL COVER

- Mechanism that connects the devices
- HOW WILL THIS BE USED?
- .com migration business
 - Building on-premises Garoon

/ Database

A collection of information organized for easy search and retrieval

- :
 - Database : A **box** filled with various data
 - Managed using database language like SQL

IN GAROON'S CASE

GAROON

,

Schedules, messages, & other information are stored in a database

/ Database

- SQL
- :

) MySQL, SQL Server, etc.

SC

- Garoon
- cybozu.com

DATABASE LECTURE WILL COVER

- Using SQL
- Database type

Ex) MySQL, SQL Server, etc.

HOW WILL THIS BE USED?

- Managing Garoon's database
- cybozu.com log analysis

/ Shell Script

()

:

SC

■ (, Garoon)

A type of a program that executes multiple simple commands {Instructions}

Program:

A set of instructions for a computer to follow

SHELL SCRIPT LECTURE WILL COVER

- Writing a shell script

HOW WILL THIS BE USED?

- Automation work: performance testing, automate building a Garoon instance



/ Shell Script

EXAMPLE.SH

```
#!/bin/sh

echo "What is your name?"
read PERSON
echo "Hello, $PERSON"
```

SET PERMISSIONS /

```
chmod +x example.sh
```

/ Regular Expression (RegEx)

1

1

,

!

SC

■ JavaScript

■

Notation for expressing various types of character strings in one character string

Build complex search queries easily!

REGEX LECTURE WILL COVER

- How to write a regular expression

HOW WILL THIS BE USED?

- Coding such as *JavaScript*
- Changing text in bulk



/ Regular Expression (RegEx)

REGEX

```
( |s)kinton(en|e|)
```

MATCHES

- akintone
- kinton
- kintone
- kintonen
- skintone

/ Web Authentication & Web Server

Web

WEB

Web

CERTIFICATION

Mechanism for confirming the legitimacy and authenticity of the object

The role of checking who is accessing the web service

WEB SERVER

Server for providing web services

/ Web Authentication & Web Server

AUTHENTICATION & WEB SERVER LECTURE WILL COVER

- :
, Basic , SAML ...

web

SC

- Garoon
- Garoon

Authentication types:

- Session authentication, Basic authentication, SAML authentication ...

How to build a web server

HOW WILL THIS BE USED?

- Building on-premises Garoon
- Configuring various authentication methods for Garoon

/ Cloud Computing

A form of providing services via the Internet

- cybozu.com
 - - Amazon Web Service (AWS)
 - Microsoft Azure
- CYBOZU.COM
- cybozu.com
- CYBOZU.COM LECTURE WILL COVER
- How cybozu.com works

HTML & CSS

HTML

web

:

,

HTML

Markup language for creating web pages

Purpose:

Let's put a letter in this place and a button here

CSS

web

:

,

CSS

Stylesheets for styling web pages

Purpose:

Make this letter red and make this button bigger

HTML & CSS

HTML / CSS

SC

- Web
 - denvet, Cypn
- kintone

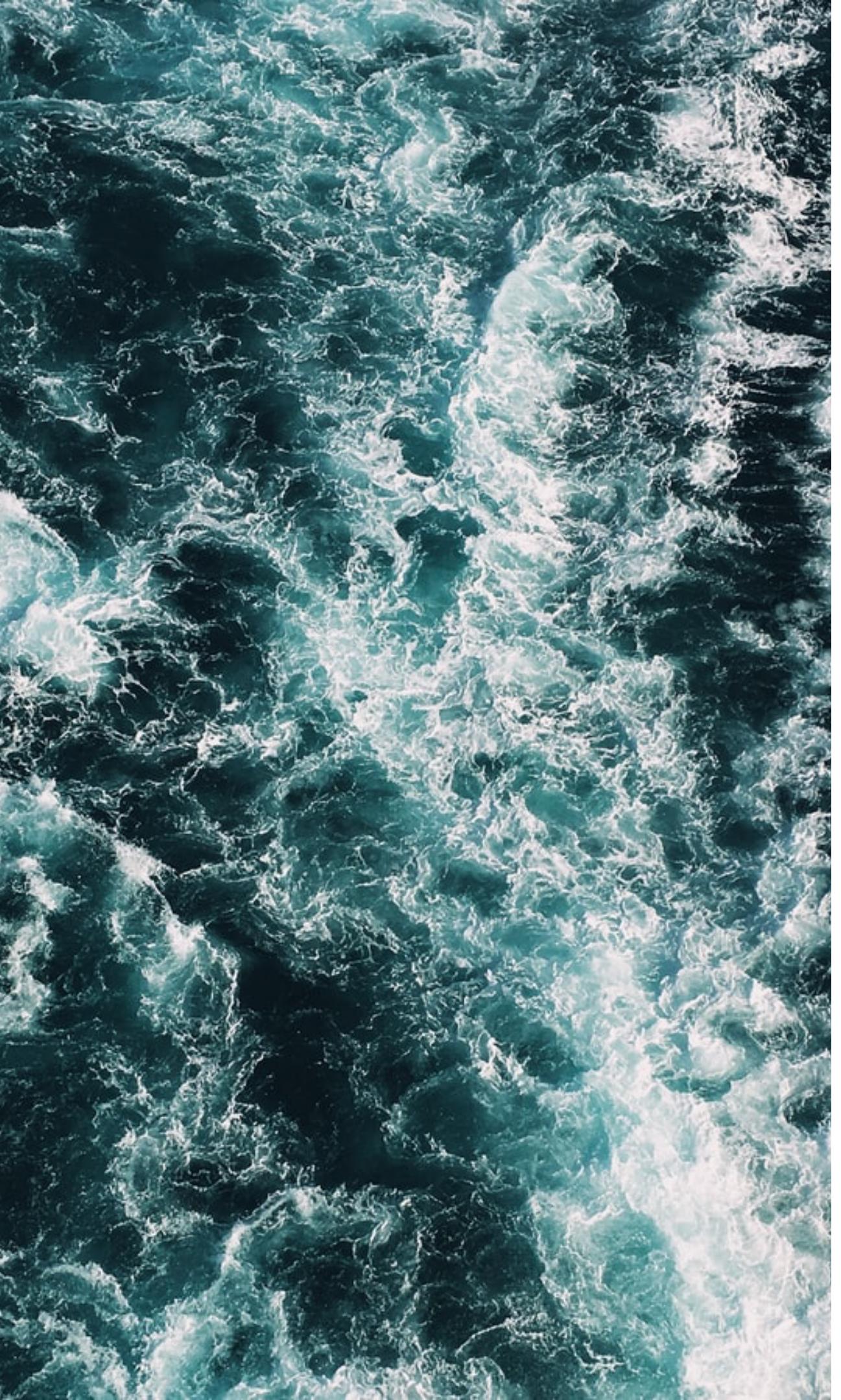
UI

HTML & CSS LECTURE WILL COVER

- How to write basic HTML & CSS

HOW WILL THIS BE USED?

- Frontend web development:
 - denvet, Cypn business, etc.
- UI-focused Kintone customizations



HTML & CSS

HTML

```
<div class="text-3xl text-primary dark:text-primary top-1">  
    HTML & CSS  
</div>
```

CSS

```
div {  
    font-weight:500;  
}
```

JavaScript (JS) & API

JAVASCRIPT

Web

kintone

JS

API

) kintone

...

JAVASCRIPT

A programming language for moving web pages

Kintone customization is written in JS

API

A window prepared for using software functions
from the outside

Ex) I want to link with kintone and other systems

...

JavaScript & API

- JavaScript
- API

SC

- kintone
-
-

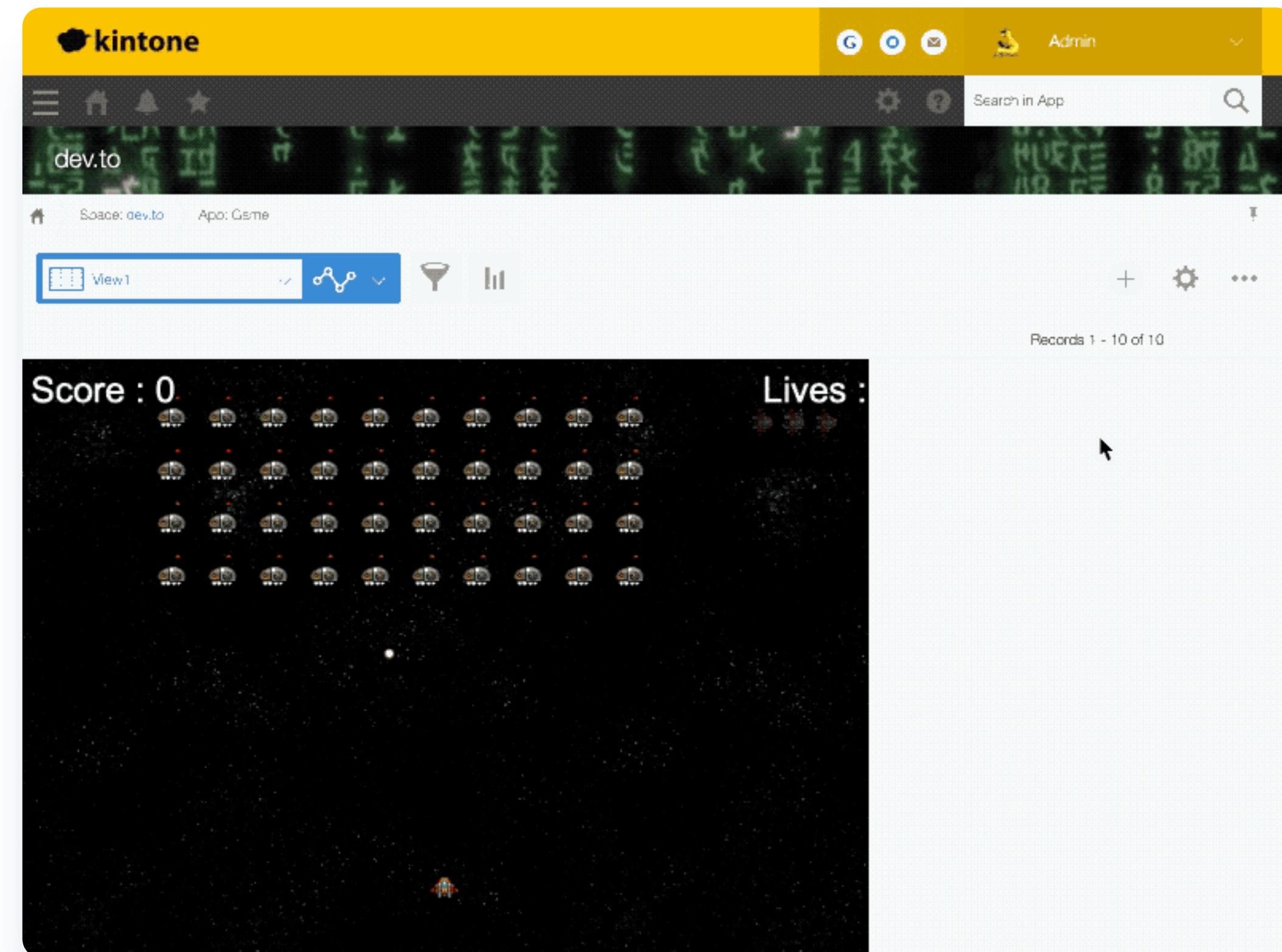
JAVASCRIPT & CSS LECTURE WILL COVER

- Writing JavaScript
- How to use the external service API

HOW WILL THIS BE USED?

- Kintone customization, plugin development
- External service cooperation
- Building cool things

JavaScript & API



Git & GitHub

GIT

GIT

A version control system that can manage the change history of programs

GITHUB

GITHUB

web

Web service that can host source code

- Git, GitHub
- Git

SC

- JavaScript
-

GIT & GITHUB LECTURE WILL COVER

- What are Git and GitHub?
- How to manage versions using Git

HOW WILL THIS BE USED?

- Manage source code such as JavaScript
- Team development



How can Kintone APIs boost teamwork productivity?

[Read more](#)**Quick Start**

New to Kintone APIs? Start here to learn how to customize Kintone with JavaScript!

API Docs

Browse through documentation for Kintone's JavaScript API and REST APIs.

FAQ

This page introduces frequently asked questions about Kintone customization. More detailed questions can be asked in the forum where developers can get support and advices.

SDK / Tools

This section introduces SDKs and tools to help boost your productivity for Kintone customizations.

Forum

Receive support and advice from the Kintone developer community.

Tutorials

Learn the various ways to customize your Kintone environment by following our step-by-step guides.

Plug-ins

Plug-ins are distributable packaged customizations for Kintone Apps. Build your own plug-ins by checking out our samples and the available tools for creating them.



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Any questions? 





A photograph of a traditional Japanese garden path. The path is paved with grey stones and leads through a dense grove of tall, slender bamboo stalks. In the background, a red torii gate stands at the end of the path, partially obscured by the bamboo. The overall atmosphere is serene and peaceful.

Thank you for your time

fin ⚓