

1. Understanding of the topic

We chose the topic of intelligent cloud because the cloud is in high demand considering how advantageous it is in terms of storage and computing power. Intelligent cloud is the combination of cloud computing and artificial intelligence. These two entities combine to make computation ubiquitous. Cloud Computing technologies provide approaches to managing vast amounts of data for artificial intelligence development. At the same time, artificial intelligence helps make cloud systems more compact. Besides, cloud technology can be combined with databases, IoT, mixed reality and cloud computing. Our website will introduce these four aspects in the “Technologies” part. Last, Microsoft's Intelligent Cloud and Intelligent Edge program will be presented as an example in the “Applications” part.

2. Website Architecture

You can type <https://artificialcloud117992647.wordpress.com/> to visit the home page. Our website applies various multimedia technologies, including text, image, audio and video. Texts appear throughout the whole website for presenting the information. Images are primarily for description and decoration. The audio can be played for fun. Moreover, videos are used to introduce the concept making it easier to understand. More details about the website can be found as follows.

The website contains four parts: Home, Introduction, Technologies, and Application.

First, the topic of the website and a navigation bar are shown on every page, which helps users go quickly to the needed page.

Intelligent Cloud

[Home](#) [Introduction](#) [Technologies](#) [Application](#)

2-1 The navigation bar

2.1 Home page

It includes a search box, a brief description of the three aspects which link to the corresponding pages, and a volume adjustment bar.



Introduction

What and Why Intelligent Cloud



Technologies

Basic intelligent cloud technologies



Applications

Intelligent cloud systems and applications

2.1-1 Brief description

2.2 Introduction page

It contains text and images for some basic questions.

Artificial Intelligence is the ability of a computer program to learn and think. According to the father of artificial intelligence, McCarthy, "Every aspect of learning or any other feature of intelligence can in principle be so precisely described that a machine can be made to simulate it. An attempt will be made to find how to make machines use language, form abstractions, and concepts, solve kinds of problems now reserved for humans and improve themselves" (1950).



2.2-1 The effect diagram

2.3 Technologies page

It introduces four parts: a cloud database, IoT, mixed reality, and cloud computing. Each part contains text, images, and videos introduction. We may look up different contents by changing the page number.

页码: [1](#) [2](#) [3](#) [4](#)

2.3-1 The effect diagram

2.4 Application page

It introduces three kinds of applications: Azure SQL Database Edge, HoloLens 2 Development Edition and IoT Plug, and Play. Each part contains text and an image

introduction.

3. Text

Text is one of the most important and widely used multimedia. However, using text inappropriately can make reading boring and challenging to understand. We used the following methods to provide visitors with a better experience when browsing our website.

3.1 Text Size

We use larger font size to represent the title and highlight the keyword so that the pages look comfortable and users can get the point conveniently.

1. A Cloud Database



A cloud database is a database service built and accessed through a cloud platform.

It serves many of the same functions as a traditional database with the added flexibility of cloud computing. Users install software on a cloud infrastructure to implement the database.

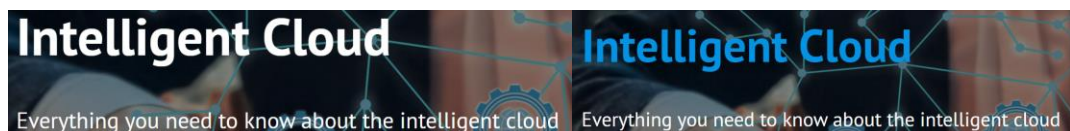
Key features:

- A database service built and accessed through a cloud platform
- Enables enterprise users to host databases without buying dedicated hardware

3.1-1 Comparison between different

3.2 Font Color

By choosing the appropriate font color, the text is better distinguished from the background picture, making it easier for visitors to read.



3.2-1 Comparison between different font color

4. Image

Images are used for decoration and illustration on our website.



Introduction

What and Why Intelligent Cloud



Technologies

Basic intelligent cloud technologies



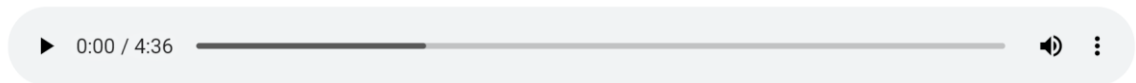
Applications

Intelligent cloud systems and applications

4-1 Image presentation

5. Audio

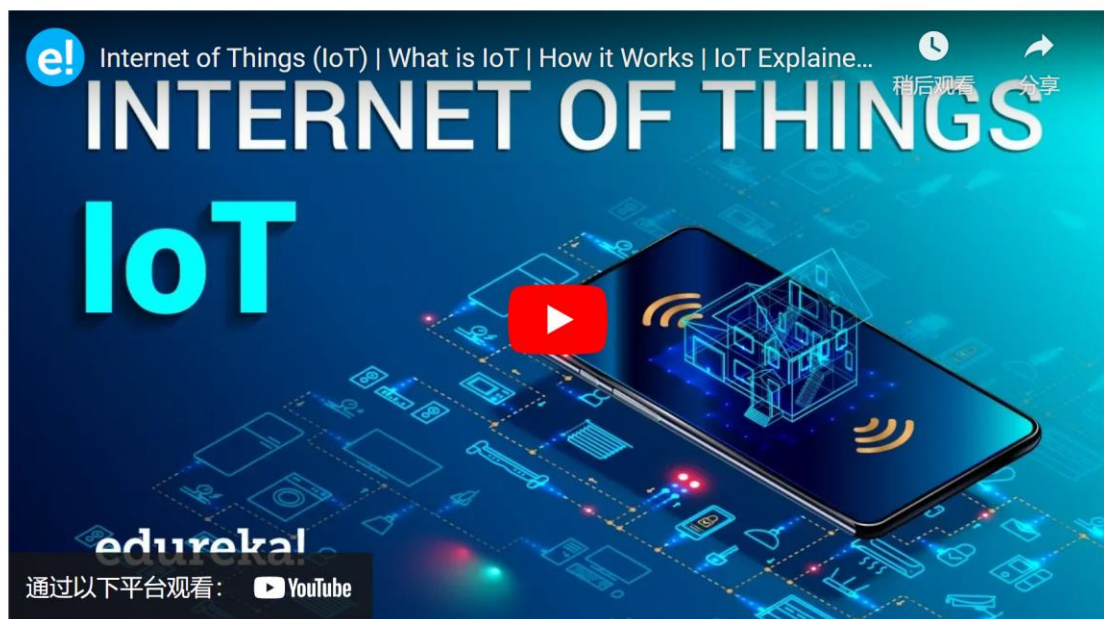
The background music will be played on the home and the Introduction pages. The user can click the button to stop or start the music, adjust the volume and the playback speed.



5-1 Volume adjustment presentation

6. Video

Inserting videos on YouTube helps visitors better understand information.



6-1 Video playback presentation

7. Interaction

7.1 A search box

To help users quickly find what they need, a search box is placed on the Home page.

Search

7.1-1 A search box presentation

After entering the keywords, related information will be presented.

针对以下查询的搜索结果： cloud computing

Technologies

1. A Cloud Database A cloud database is a database

[继续阅读](#) →

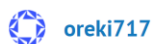
有1条评论 编辑

7.1-2 Show search results

7.2 Post a comment

Users can comment on articles at the bottom of the page. It provides users with a platform to express their thoughts. Besides, it can help developers collect feedback and make improvements correspondingly.

一个有关“Technologies”的想法



2021年12月4日 上午11:27 编辑

Well done

★ 赞

[回复](#)

发表评论

请在此输入您的评论... ..

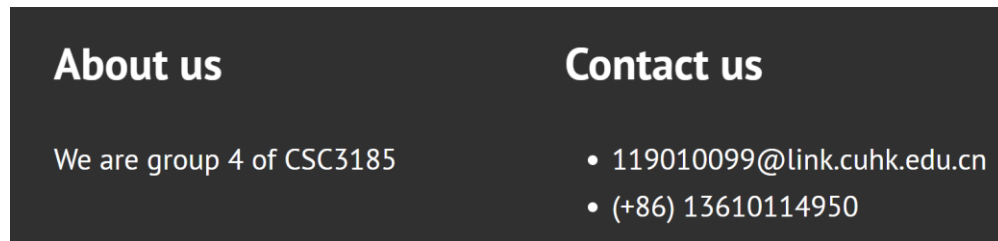
7.2-1 Show search results

7.3 BGM Volume Control

As mentioned above.

7.4 Contact information

Developers leave the contact information at the bottom of the Home page.



7.4-1 Image presentation

Reference

- [1] <https://www.youtube.com/watch?v=LlhmzVL5bm8>
- [2] <https://www.youtube.com/watch?v=Uxzlq-kSG0A>
- [3] <https://www.youtube.com/watch?v=V9CpOOFbFuW>
- [4] <https://www.youtube.com/watch?v=Iu-PY1rAcg0&t=493s>
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- [6] <https://azure.microsoft.com/en-us/overview/what-is-cloud-computing/#benefits>
- [7] <https://www.ibm.com/cloud/learn/what-is-cloud-database>
- [8] <https://www.arm.com/glossary/iot-cloud>
- [9] <https://azure.microsoft.com/en-us/topic/mixed-reality/#demystifying>
- [10] <https://docs.microsoft.com/en-us/windows/mixed-reality/discover/mixed-reality>
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- [12] <https://archerpoint.com/intelligent-edge-defined-and-why-it-matters-businesses/>
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- [14] <https://www.forbes.com/sites/timbajarin/2019/09/23/the-real-significance-of-ar-vr-and-mixed-reality/?sh=687cc85c6d80>
- [15] <https://www.e-zigurat.com/innovation-school/blog/what-do-the-next-five-years-hold-for-the-iot/>