WebPascal script model tutorial - Introduction

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Hello everyone! The WebPascal script model has been released for some time. The current version has been developed to 2.0. The current functions have been able to meet the needs of general website production or interface API development. Now, a simple system introduction is introduced.

Why do you want to make such a script model? The cause is this. As a Delphi developer, web development is always my weakness, and it takes a lot of energy to re-learn other languages. The cost is relatively high, and it is impossible to solve the project at hand in a timely manner. Of course, learn Still have to learn, but all of a sudden

It is also unrealistic to learn web front ends and web backends in a short time. Because I have a little front-end html and css foundation, back-end asp foundation, after referring to php, think of a solution, that is to find a pascal syntax script engine to achieve the function of php, and then first learn the web front-end development, I will have time to learn web backend development in the future, such as the system to learn about php development.

The birth of the WebPascal scripting model: In recent years, because the project basically follows the http protocol, it prefers to use the commercial component package RealThinClientSDK, which is a lightweight transmission and support component based on the http application layer protocol, which helps us solve data transmission. And http service support issues;

In mid-April 2016, I first tried to use rtc as a web server, paxCompiler as a script parsing engine, developed the most basic framework, and implemented simple web-responsive scripting support. The only function, only one implementation of the http post/get request, that is, writing an http post/get request in the script, the result is displayed; at the end of the month, suddenly found that rtc itself has a script parsing function, so go back Looking at its example, I found that its syntax and scripting method is more suitable for web development. It is very similar to php and asp, so the script parsing part is also replaced by rtc. In this way, I started the process of perfecting the script model while applying it to the actual project until November 19, 2016.

No., officially released the official version of the rtc script model 1.0, at that time has the basic web back-end development capabilities and api development capabilities, but also completed the development of a company project management background, including the API interface called to Apple ios app and Web version management background.

How to keep the dynamics of the WebPascal scripting model? Because the use of commercial components, direct open source is not advisable, and delphi developers are not much in the country itself, the use of rtc group is even less, so I decided to use the software for free lifetime, function and expiration date No restrictions, copyright retention, not open source (I remember there is such a license agreement, specifically forgot which one), let it meet with you, let some delphi developers, can use pascal syntax for web back-end development Of course, I also accept the request to purchase the source code, so that some people can discuss and improve the framework together, free users can also put forward some reasonable requirements and suggestions. Basically, as long as it can meet my own project needs, I will not give up updating it.

So, what is the principle of the WebPascal scripting model? In fact, it is also very simple. It is a web service provider. It displays static web resources and dynamically displays web resources after parsing the script.

Because it only outputs the data that needs to be displayed (or is output after parsing), so the web front end The compatibility is all handed over to the browser, so it is not used to care about the compatibility of the web front end, just pay attention to which web front-end scripts are based on which version of the browser; web backend, it is similar to php, by the core Provide a bunch of built-in functions for script calls to implement various functions, such as file operations, data conversion, and so on. The basic process is that the user initiates a request from the client (browser or software implementation), and the server (script model) responds, basically the same as the web backend. I also have to consider the script function of active execution. This is still in the plan, and the implementation time has not yet been fixed. If this function is added, it can solve more application requirements.

For delphi developers, if you are interested in using it for web development, my suggestion is to get to know about bootstrap and jquery. In fact, bootstrap is equivalent to vcl in delphi. For example, if you want to use a button, then you only need to check the bootstrap. In the middle of the button to do the right, copy over, and then set the style, bind the js function on it, is it very simple, much like the vcl in delphi? I am so tossed. If you are interested, you can download this site, which is the whole station script of offeu.com, to see how I implemented it.

Well, I am writing a mess, writing is not good, so the big guys will do it for a while, and I will write some teaching instructions later, I hope to help you.