Subject: how to setup Skylark on remote server?
Posted by forlano on Sat, 09 Mar 2024 13:38:21 GMT
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Hello,

I was looking for some microframework able to respond with data to http requests.
I found https://crowcpp.org/master/ but looking at the example I remembered our Skylark that should do the same things... and maybe much better.

On our site, under documentation,
https://www.ultimatepp.org/www$uppweb$documentation$en-us.ht ml , Skylark is disappeared. I would suggest to put it in evidence with its tutorial page.
Given the amount of projects I found in all programming languages and doing similar things to skylark, perhaps it should have its own space.

I have my own VPS server (Centos 7) that run usual PHP scripts. I would like to try to use Skylark too without interfere with the current PHP scripts. The problem is: hot to setup my server to accomodate my Skylark app?

Moreover: Skylark act as a server or just wake up when called? In this last case how to call it?
If it act as a server it should be always running. What to do if for some reason it stops to run.

Please be patient if my question looks naive. Even a link to similar topic would be to helpful.

Thanks a lot,
Luigi

Subject: Re: how to setup Skylark on remote server?
Posted by Klugier on Sat, 09 Mar 2024 21:11:26 GMT
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Hello Luigi,

Some time ago, I wrote network tutorial (2. Building RESTful server) in which I showed how to create REST api using U++ Core without any external dependencies. You might find it useful.

Klugier

Subject: Re: how to setup Skylark on remote server?
Posted by forlano on Sun, 10 Mar 2024 07:30:09 GMT
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Thanks Klugier, it is very useful.

Can that app answer multiple request simultaneasly?
I just need to learn how to put such program on the server and keep it running.

Best regards,
Luigi

Subject: Re: how to setup Skylark on remote server?
Posted by Xemuth on Thu, 14 Mar 2024 10:21:43 GMT
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Hello Forlano.

Skylark is more than capable to respond to http requests.

https://www.ultimatepp.org/srcdoc$Skylark$Tutorial$en-us.htm l

To help you I need to know few things. First your centos is running php but you must have a web server(something like apach or nginx) to handle http requests ?
If yes then is your web server configured to awnser on default port (80 or 443) or do you have some customs ports ? If you have custom ports is it acceptable to you to open another port that will be used by your skylark app (or only Core RESTfull app) ?

If no then maybe what you need (you may already have it) is a reverse proxy (nginx work well) to receive http request and depending on the url forwarding request to your webserver with php or to your skylark app.

personally, this is what I have localy: Nginx web server (configured as reverse proxy) that will handle all HTTPS request that hit my network then depending on what url asked the reverse proxy will dispatch the request to all microservice I have locally (git, fews skylark apps, NAS etc...)

Subject: Re: how to setup Skylark on remote server?
Posted by forlano on Thu, 14 Mar 2024 20:07:21 GMT
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Hello Xemuth.

thank you for the answer.
I run Apache on default port.
I have no experience in reverse proxy. Your solution looks interesting but I have no clue how Nginx should work and where/how skylark should operate between the client and the apache server.
Any reference online will be helpful.

Best regards,
Luigi

Subject: Re: how to setup Skylark on remote server?
Posted by Xemuth on Mon, 18 Mar 2024 09:38:37 GMT
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Hello Forlano,

Doing a quick research about Apache reverse proxy:

To configure a reverse proxy on Apache, you will need the 'mod_proxy' module enabled. You can check if it is enabled by looking for LoadModule proxy_module in your httpd.conf file. If it is commented (preceded by a #), you must uncomment it and restart Apache.

Then in your local apache server configuration, you will have to configure all your applications endpoints by doing something like that:

```
< VirtualHost *:80 >
	ServerName www.your_app.net
	DocumentRoot /var/www/site_with_php
< /VirtualHost >

< VirtualHost *:80 >
	ServerName www.your_app.net
	ProxyPass "/skylark_app"  " http://localhost:8080/"
< /VirtualHost >
```

ServerName is not mandatory. With this kind of configuration assuming you dont use the endpoint skylark_app with your php app. you will reach your localhost:8080 by typing your website address and adding /skylark_app to the url.

Don't forget to restart apach after updating the conf:

sudo systemctl restart httpd
Doc I used

hope it help