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NAME

Catalyst::Manual::Deployment::nginx::FastCGI - Deploying Catalyst with nginx

nginx

Catalyst runs under nginx via FastCGI in a similar fashion as the lighttpd standalone server.

nginx does not have its own internal FastCGI process manager, so you must run the FastCGI service separately.

Configuration

To configure nginx, you must configure the FastCGI parameters and also the socket your FastCGI daemon is listening on. It can be either a TCP socket or a Unix file socket.

The server configuration block should look roughly like:

```
server {
    listen $port;

    location / {
        fastcgi_param  QUERY_STRING       $query_string;
        fastcgi_param  REQUEST_METHOD     $request_method;
        fastcgi_param  CONTENT_TYPE       $content_type;
        fastcgi_param  CONTENT_LENGTH     $content_length;

        fastcgi_param  SCRIPT_NAME        '';
        fastcgi_param  PATH_INFO           $fastcgi_script_name;
        fastcgi_param  REQUEST_URI        $request_uri;
        fastcgi_param  DOCUMENT_URI       $document_uri;
        fastcgi_param  DOCUMENT_ROOT      $document_root;
        fastcgi_param  SERVER_PROTOCOL    $server_protocol;

        fastcgi_param  GATEWAY_INTERFACE  CGI/1.1;
        fastcgi_param  SERVER_SOFTWARE    nginx/$nginx_version;

        fastcgi_param  REMOTE_ADDR        $remote_addr;
        fastcgi_param  REMOTE_PORT        $remote_port;
        fastcgi_param  SERVER_ADDR        $server_addr;
        fastcgi_param  SERVER_PORT        $server_port;
        fastcgi_param  SERVER_NAME        $server_name;

        # Adjust the socket for your applications!
        fastcgi_pass    unix:$docroot/myapp.socket;
```

```
}  
}
```

It is the standard convention of nginx to include the `fastcgi_params` in a separate file (usually something like `/etc/nginx/fastcgi_params`) and simply include that file.

If you include the `/etc/nginx/fastcgi_params` that comes with your distribution, e.g. Debian, you need to adjust a couple of parameters for PSGI compatibility, use something like this:

```
include /etc/nginx/fastcgi_params;  
fastcgi_param SCRIPT_NAME '';  
fastcgi_param PATH_INFO    $fastcgi_script_name;
```

Non-root configuration

If you properly specify the `PATH_INFO` and `SCRIPT_NAME` parameters your application will be accessible at any path. The `SCRIPT_NAME` variable is the prefix of your application, and `PATH_INFO` would be everything in addition.

As an example, if your application is rooted at `/myapp`, you would configure:

```
rewrite ^/myapp$ /myapp/ permanent;  
location /myapp/ {  
    include /etc/nginx/fastcgi_params;  
    fastcgi_param SCRIPT_NAME /myapp/;  
    fastcgi_param PATH_INFO    $fastcgi_script_name;  
    fastcgi_pass unix:/tmp/myapp.socket;  
}
```

`$fastcgi_script_name` would be `"/myapp/path/of/the/action"`. Catalyst will process this accordingly and setup the application base as expected.

This behavior is somewhat different from Apache and `lighttpd`, but is still functional.

Note that the `rewrite` may not be needed with newer versions of nginx, and the paths must be exactly as specified - the trailing slash in the location block and the `SCRIPT_NAME` are important.

SSL

Make sure that nginx passes this to your fastcgi. To ensure this, you need the following in your nginx config for the SSL vhost:

```
fastcgi_param HTTPS on
```

MORE INFO

For more information on nginx, visit: <http://nginx.net>

AUTHORS

Catalyst Contributors, see Catalyst.pm

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