Run Cloud Magento 2.x Installation

RunCloud Settings

- Web Application Stack: **Native NGINX + Custom config (For power user. Manual Nginx implementation)** https://a.cl.ly/Z4uwPQel
- PHP Version: **php7.2** https://a.cl.ly/qGuDp909
- Public Path: Add **/pub** https://a.cl.ly/mXumnkRo
- max_execution_time: **1800** https://a.cl.ly/kpumopBd
- memory_limit: **2048** https://a.cl.ly/O4ug179q

Step 1
Login as **root** user

Step 2
Go to Extra NGINX Configuration Folder

```
cd /etc/nginx-rc/extra.d/
```

Step 3
Create the file **<webapp>.location.main-before.include.conf** at /etc/nginx-rc/extra.d/ with below content

```
touch <webapp>.location.main-before.include.conf
```

> include /home/<web-app-owner>/webapps/<webapp>/nginx-<custom-name>.conf;

Step 4
Create the file **<webapp>.location.root.index.conf** at /etc/nginx-rc/extra.d/ with below content

```
touch <webapp>.location.root.index.conf
```

> location / {
> try_files $uri $uri/ /index.php$is_args$args;
> }

Step 5
Go to Web App Root Folder

```
cd /home/<web-app-owner>/webapps/<webapp>/
```

Step 6

Create the file **nginx-\<custom-name\>.conf** at **/home/\<web-app-owner\>/webapps/\<webapp\>/** with below content

```
touch nginx-<custom-name>.conf
```

```
set $MAGE_ROOT /home/<web-app-owner>/webapps/<webapp>;

autoindex off;
charset UTF-8;
error_page 404 403 = /errors/404.php;

# Deny access to sensitive files
location /.user.ini {
deny all;
}

# PHP entry point for setup application
location ~* ^/setup($|/) {
root $MAGE_ROOT;
location ~ ^/setup/index.php {
fastcgi_index index.php;
fastcgi_param SCRIPT_FILENAME $realpath_root$fastcgi_script_name;
fastcgi_param DOCUMENT_ROOT $realpath_root;
fastcgi_pass unix:/var/run/<webapp>.sock;
fastcgi_param PHP_FLAG "session.auto_start=off \n suhosin.session.cryptua=off";
fastcgi_param PHP_VALUE "memory_limit=756M \n max_execution_time=600";
fastcgi_read_timeout 600s;
fastcgi_connect_timeout 600s;
include fastcgi_params;
}

location ~ ^/setup/(?!pub/). {
deny all;
}

location ~ ^/setup/pub/ {
add_header X-Frame-Options "SAMEORIGIN";
}
}

# PHP entry point for update application
location ~* ^/update($|/) {
root $MAGE_ROOT;

location ~ ^/update/index.php {
fastcgi_index index.php;
fastcgi_split_path_info ^(/update/index.php)(/.+)$;
fastcgi_param SCRIPT_FILENAME $realpath_root$fastcgi_script_name;
fastcgi_param PATH_INFO $fastcgi_path_info;
fastcgi_pass unix:/var/run/<webapp>.sock;
fastcgi_read_timeout 600s;
fastcgi_connect_timeout 600s;
include fastcgi_params;
}
```

```nginx
# Deny everything but index.php
location ~ ^/update/(?!pub/). {
deny all;
}

location ~ ^/update/pub/ {
add_header X-Frame-Options "SAMEORIGIN";
}
}

location /pub/ {
location ~ ^/pub/media/(downloadable|customer|import|theme_customization/.*\.xml) {
deny all;
}
alias $MAGE_ROOT/pub/;
add_header X-Frame-Options "SAMEORIGIN";
}

location /static/ {
# Uncomment the following line in production mode
# expires max;

# Remove signature of the static files that is used to overcome the browser cache
location ~ ^/static/version {
rewrite ^/static/(version\d*/)?(.*)$ /static/$2 last;
}

location ~* \.(ico|jpg|jpeg|png|gif|svg|js|css|swf|eot|ttf|otf|woff|woff2|json)$ {
add_header Cache-Control "public";
add_header X-Frame-Options "SAMEORIGIN";
expires +1y;

if (!-f $request_filename) {
rewrite ^/static/(version\d*/)?(.*)$ /static.php?resource=$2 last;
}
}
location ~* \.(zip|gz|gzip|bz2|csv|xml)$ {
add_header Cache-Control "no-store";
add_header X-Frame-Options "SAMEORIGIN";
expires off;

if (!-f $request_filename) {
rewrite ^/static/(version\d*/)?(.*)$ /static.php?resource=$2 last;
}
}
if (!-f $request_filename) {
rewrite ^/static/(version\d*/)?(.*)$ /static.php?resource=$2 last;
}
add_header X-Frame-Options "SAMEORIGIN";
}
```

```nginx
location /media/ {
try_files $uri $uri/ /get.php$is_args$args;

location ~ ^/media/theme_customization/.*\.xml {
deny all;
}

location ~* \.(ico|jpg|jpeg|png|gif|svg|js|css|swf|eot|ttf|otf|woff|woff2)$ {
add_header Cache-Control "public";
add_header X-Frame-Options "SAMEORIGIN";
expires +1y;
try_files $uri $uri/ /get.php$is_args$args;
}
location ~* \.(zip|gz|gzip|bz2|csv|xml)$ {
add_header Cache-Control "no-store";
add_header X-Frame-Options "SAMEORIGIN";
expires off;
try_files $uri $uri/ /get.php$is_args$args;
}
add_header X-Frame-Options "SAMEORIGIN";
}

location /media/customer/ {
deny all;
}

location /media/downloadable/ {
deny all;
}

location /media/import/ {
deny all;
}
location /errors/ {
location ~* \.xml$ {
deny all;
}
}

# PHP entry point for main application
location ~ ^/(index|get|static|errors/report|errors/404|errors/503|health_check)\.p
try_files $uri =404;
fastcgi_index index.php;
fastcgi_split_path_info ^(/update/index.php)(/.+)$;
fastcgi_param SCRIPT_FILENAME $realpath_root$fastcgi_script_name;
fastcgi_param DOCUMENT_ROOT $realpath_root;
fastcgi_param PATH_INFO $fastcgi_path_info;
fastcgi_pass unix:/var/run/<webapp>.sock;
fastcgi_param PHP_FLAG "session.auto_start=off \n suhosin.session.cryptua=off";
fastcgi_param PHP_VALUE "memory_limit=756M \n max_execution_time=18000";
fastcgi_read_timeout 600s;
```

```
    fastcgi_connect_timeout 600s;
    fastcgi_buffer_size 128k;
    fastcgi_buffers 1024 4k;
    fastcgi_busy_buffers_size 256k;
    fastcgi_temp_file_write_size 256k;
    include fastcgi_params;

    }

    # Banned locations (only reached if the earlier PHP entry point regexes don't match
    location ~* (\.php$|\.phtml$|\.htaccess$|\.git) {
    deny all;
    }
```

Step 7

Check the syntax of nginx

```
  nginx-rc -t
```

Step 8

Restart nginx

```
  systemctl reload nginx-rc
```

Step 9

Reload PHP

```
  systemctl reload php72rc-fpm
```

Step 10

Rebuild Web Application from RunCloud Panel https://a.cl.ly/WnuEKLAZ