# AdminCP Extra Security for nginx web server

## IP Filtering

1. Connect to the master server via SSH
2. Create the additional configuration file in `/usr/local/svmstack/nginx/conf/services/` directory:

```
# touch /usr/local/svmstack/nginx/conf/services/blockip.conf
```

3. Set up list of allowed/denied IP addresses, here is an example:

```
deny 192.168.1.1;
allow 192.168.1.0/24;
allow 10.1.1.0/16;
allow 2001:0db8::/32;
deny all;
```

   Check for more information on Nginx documentation portal
4. (Optional) In case of the WHMCS module or otherwise accessing SolusVM graphs via API /graphs directory should be excluded from IP restriction. Open the file `/usr/local/svmstack/nginx/conf/services/custom/legacy-master-after-php-location-443.conf` and add the following:

```
location /graphs{
allow all;
}
```

5. Restart the service to apply the changes:

```
# systemctl restart svmstack-nginx.service
```

   OR

```
# /etc/init.d/svmstack-nginx restart
```

## Additional authentication for AdminCP area

1. Connect to the master server via SSH
2. Create a file that will contain login/password pairs:

```
# touch /usr/local/svmstack/nginx/.htpasswd
```

3. Add login and password pair. Replace solusvmadmin with required login name. Do not forget ":" delimiter sign at the end of the login name:

```
# sh -c "echo -n 'solusvmadmin:' >> /usr/local/svmstack/nginx/.htpasswd"
# sh -c "openssl passwd -apr1 >> /usr/local/svmstack/nginx/.htpasswd"
```

4. Create a backup of the `/usr/local/svmstack/nginx/conf/services/legacy-master.conf` file:

```
# cp -a /usr/local/svmstack/nginx/conf/services/legacy-master.conf /root/
```

5. Customize the file and add the following directive to the end of "server" section fo 5656 and 443 ports:

```
location ^~ /admincp/ {
        auth_basic "Restricted Content";
        auth_basic_user_file /usr/local/svmstack/nginx/.htpasswd;
        location ~ \.php$ {
                include services/custom/legacy-master-inside-php-location-443.conf;
                try_files $uri =404;
                fastcgi_split_path_info ^(.+\.php)(/.+)$;
                fastcgi_read_timeout 3600;
                fastcgi_pass unix:/usr/local/svmstack/fpm/socket/web.sock;
                fastcgi_index index.php;
                include fastcgi.conf;
                fastcgi_param HTTPS $https;
                fastcgi_param SCRIPT_FILENAME $document_root$fastcgi_script_name;
        }
}
```

6. After that restart the service to apply the changes:

```
# systemctl restart svmstack-nginx.service
```

OR

```
# /etc/init.d/svmstack-nginx restart
```