WEB APP – SINGLE SERVER TO ELASTIC EVOLUTION (Adding Custom and Loadbalancer SSL Termination)

Last project final result of the last project we build. If you not yet done the project , here the link: https://www.linkedin.com/posts/rogmer-bulaclac_project-file-activity-7146604589822148608-EigB? utm source=share&utm medium=member desktop



The project is indeed working, but no custom domain and no secure yet

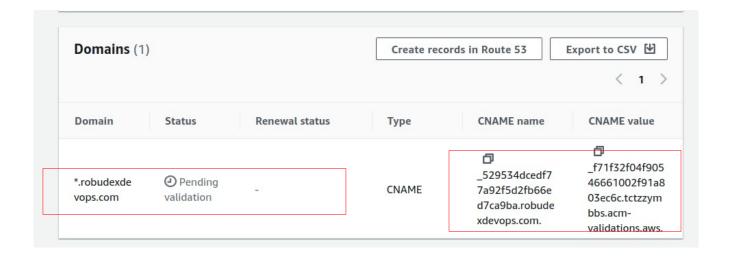
Objectives:

- Generate SSL Certificate:
- Install SSL Certificate on Load Balancer
- Configure Security Group for Load Balancer
- Update DNS Settings at GoDaddy
- Verify SSL Configuration

Instructions:

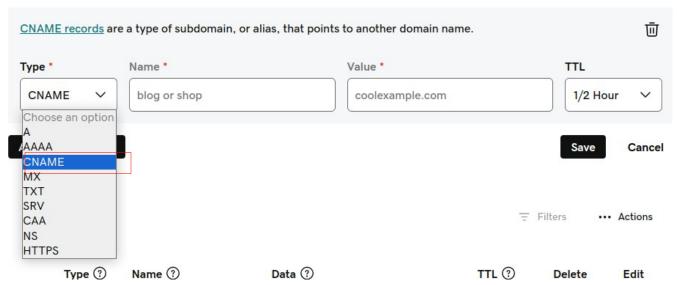
- 1. Generate SSL Certificate:
- Navigate to AWS Certificate Manager (ACM).
- Select "Request a certificate" and choose "Request a public certificate." Ensure you have a valid domain name, such as (**robudexdevops.com**).
- Under "Domain names," enter your fully qualified domain name (e.g., *.robudexdevops.com).
- Add tags (Key: Name, Value: MyAppCert) and click "Request."
- You now have a Certificate ID, but the status is "**Pending validation**."

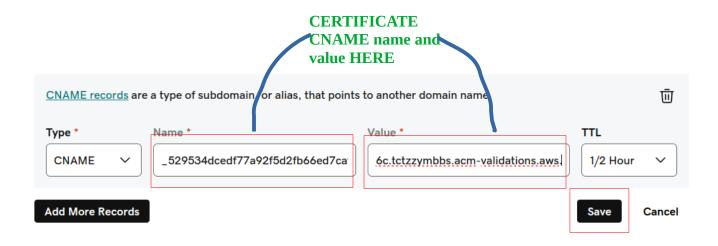
• Click on your Certificate ID and copy the CNAME name.



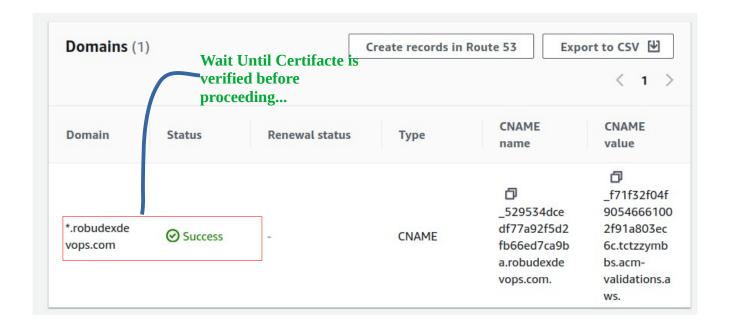
- Open your GoDaddy account and navigate to DNS Management.
- Under DNS Records, click "Add New Record."
- Select Type: CNAME.
- For Name, paste your CNAME here but remove the trailing domain name. For example, if your CNAME is _sldfoajlajr85.robudexdevops.com, enter only _sldfoajlajr85.
- For Value, copy the CNAME value but remove the trailing dot (.).

New Records



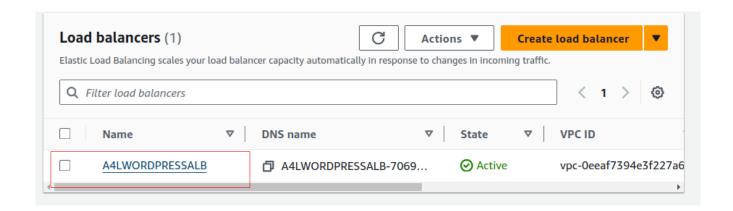


• The request for a certificate may take some time. If the status is now available, we can proceed to the next steps. Otherwise, we'll need to wait.

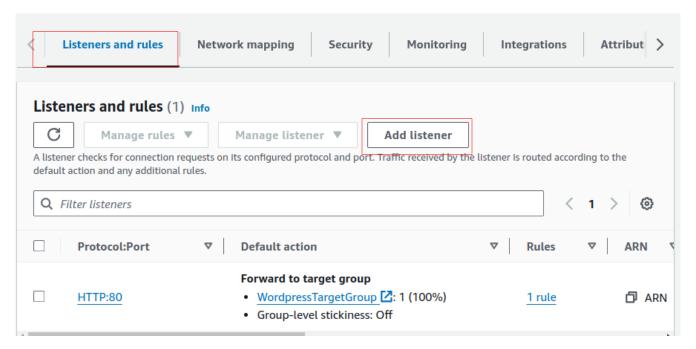


2. Install SSL Certificate on Load Balancer

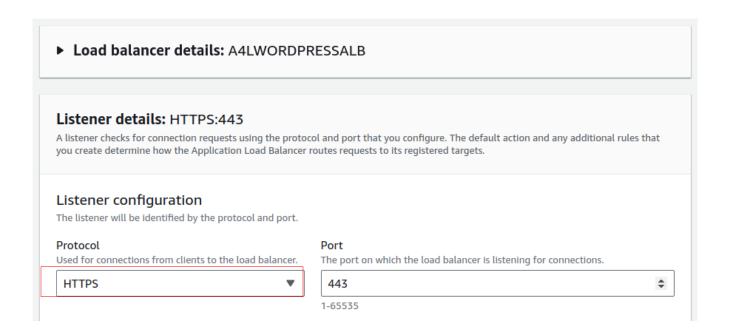
Select the Loadbalancer

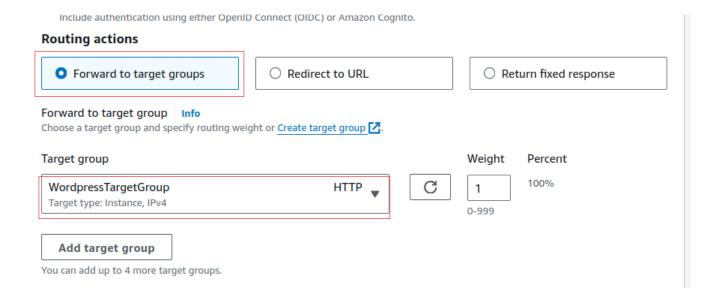


• Goto Listeners and rules and Click Add listener button

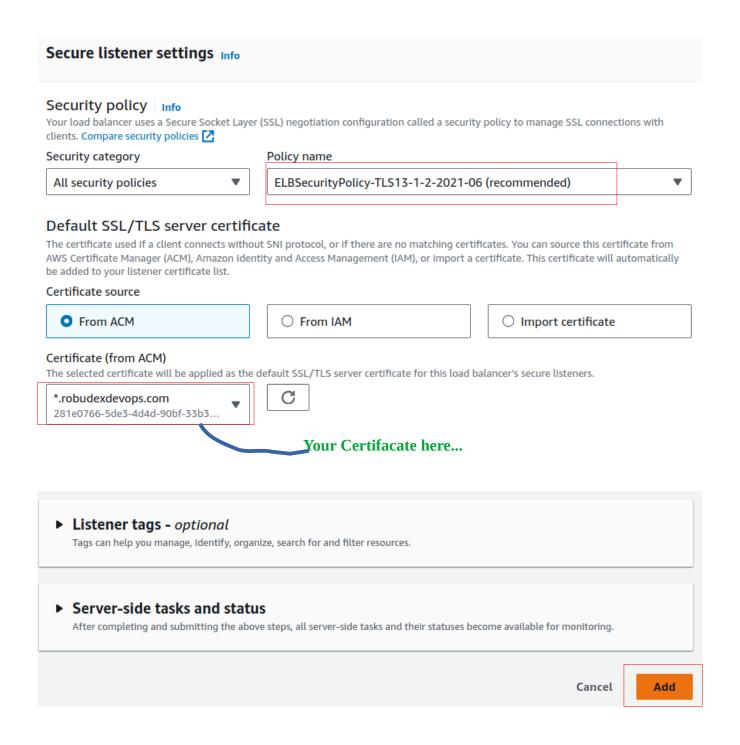


 Select HTTPS Protocol, for Routing actions, Select Forward to targroups choose the WordpressTargetGroup

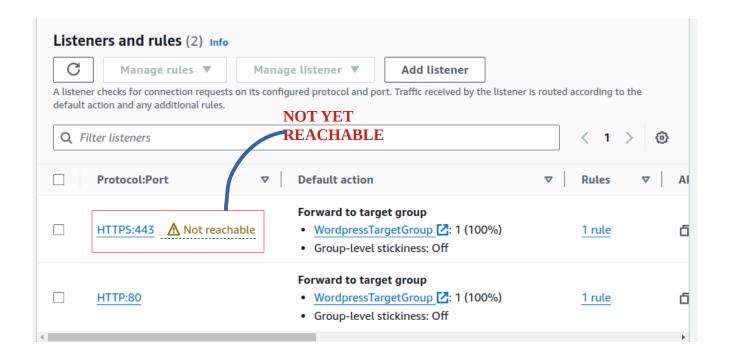




• Goto Secure listener settings from Certificate (from ACM) Select your certificate. Then Click Add button

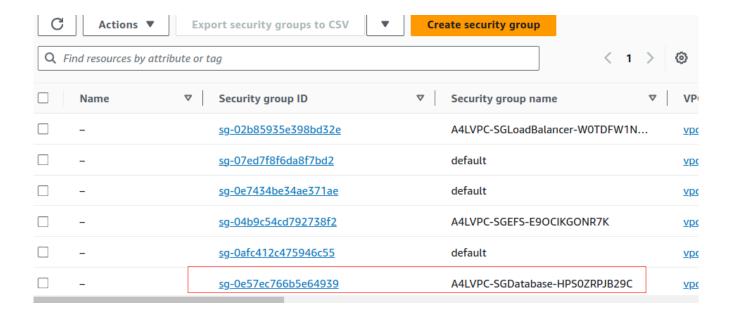


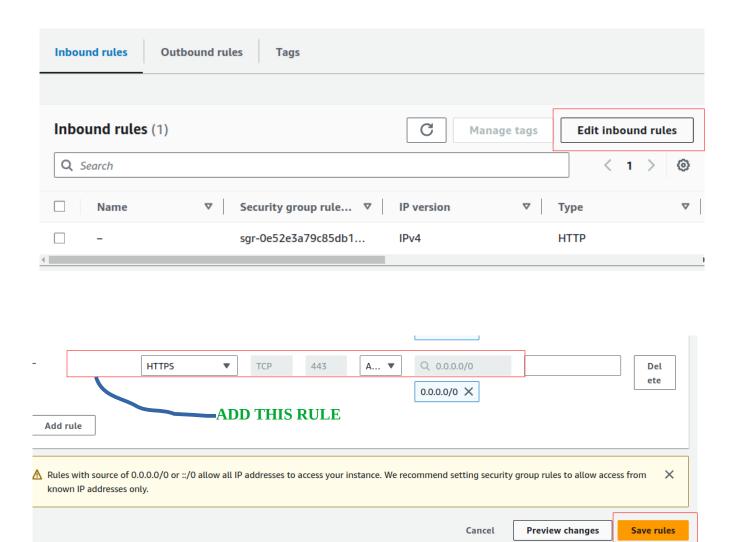
• On the Listeners and rules (HTTPS:443) added but not yet reachable



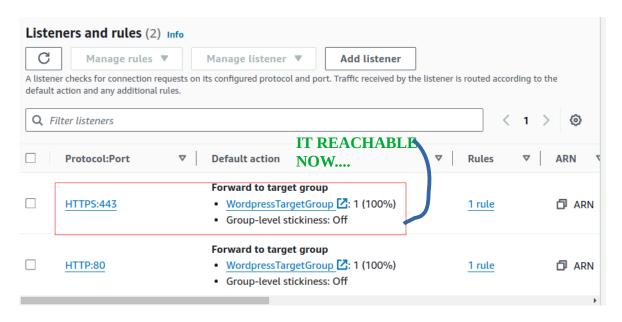
3. Configure Security Group for Load Balancer

Select Load Balancer Security Group and add 443 on the inbound rules





Goto Load Balancer Listeners and rules again and notice is now reachable



4. Update DNS Settings at GoDaddy

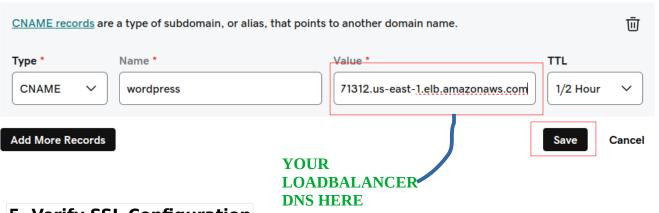
Create CNAME records with

Name: wordpress

Value: LoadBalancer Domain name



New Records



5. Verify SSL Configuration

goto web browser and (<u>https://wordpress.YOURDOMAIN</u>) eg
https://wordpress.robudexdevops.com

