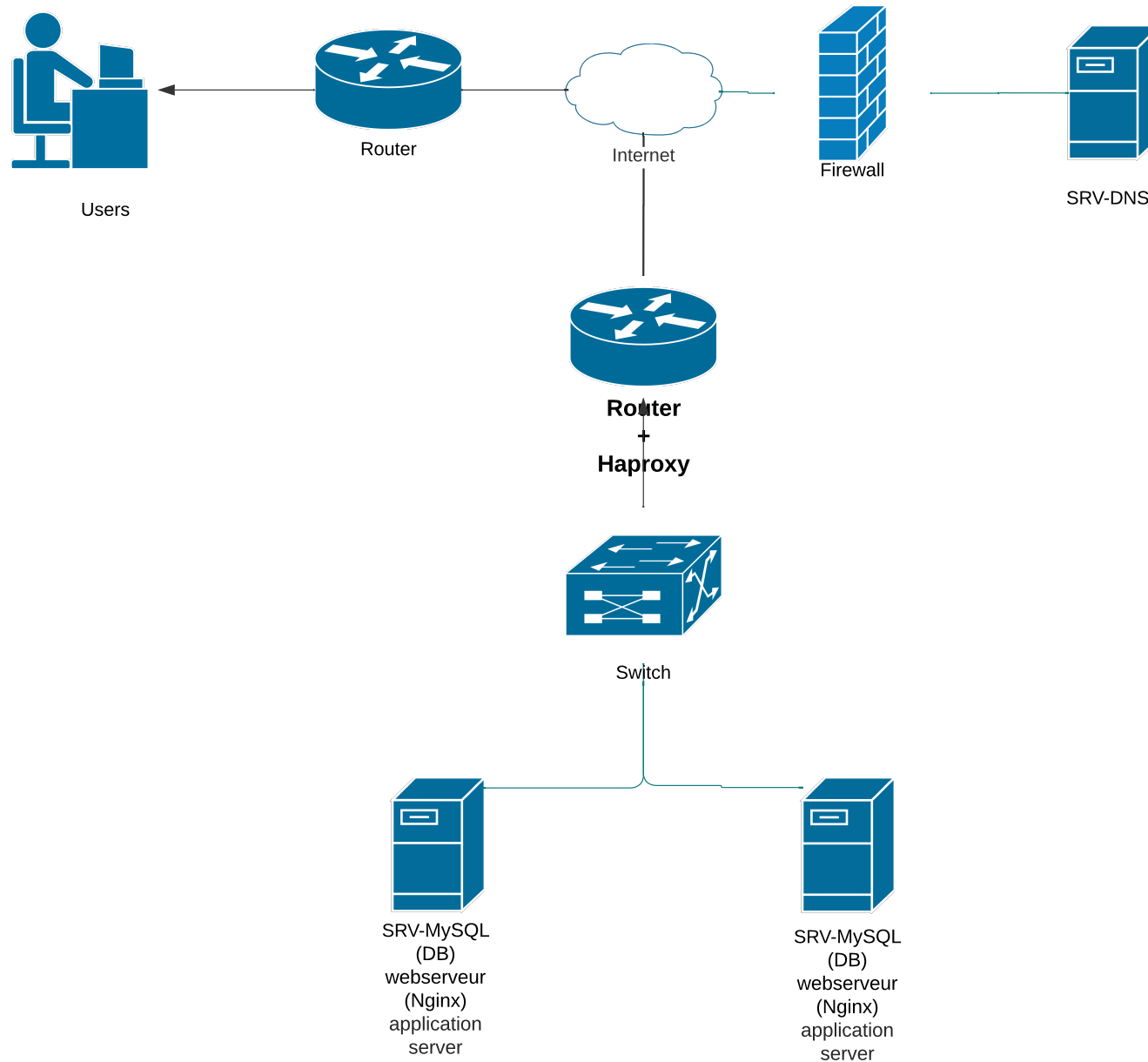


1-distributed_web_infrastructure_FR

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En savoir plus sur ce modèle

1. The user types `www.foobar.com` into their browser.
2. The browser sends a request to the DNS server to resolve the domain name `www.foobar.com`.
3. The DNS server responds with the IP address of the load balancer.
4. The user's browser sends an HTTP request to the load balancer's IP address.
5. The load balancer (HAproxy) receives the request and distributes it to one of the available servers according to the configured distribution algorithm (e.g., round-robin).
6. The request reaches the Nginx web server on the chosen server.
7. Nginx, acting as a reverse proxy, forwards the request to the application server on the same server.
8. The application server executes the application code (e.g., PHP, Python, etc.).
9. If necessary, the application sends queries to the MySQL database.
10. The MySQL database (Primary or Replica) processes the query and returns the results to the application server.
11. The application server generates the final HTML response.
12. The response is sent back to Nginx, which forwards it to the load balancer.
13. The load balancer sends the response back to the user's browser.
14. The user's browser displays the requested web page.

Information complémentaire:

