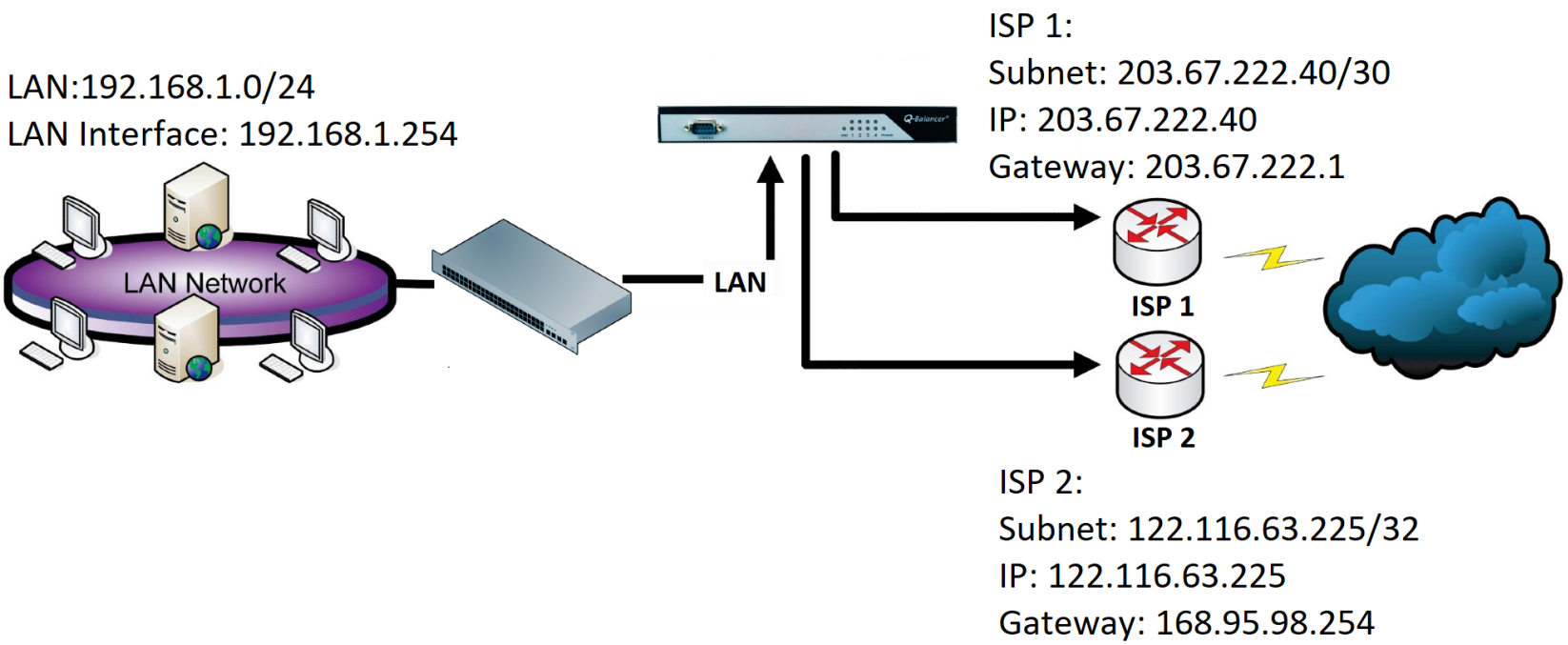
Q-Balancer®

How To Guide:

Inbound Load Balancing & Failover

Introduction

Assuming there is a Q-Balancer customer with two WAN link, and the following is their network diagram in simplified version:



The following are the screenshots for the network configuration:

WAN

The ***WAN*** configuration is done as follows:

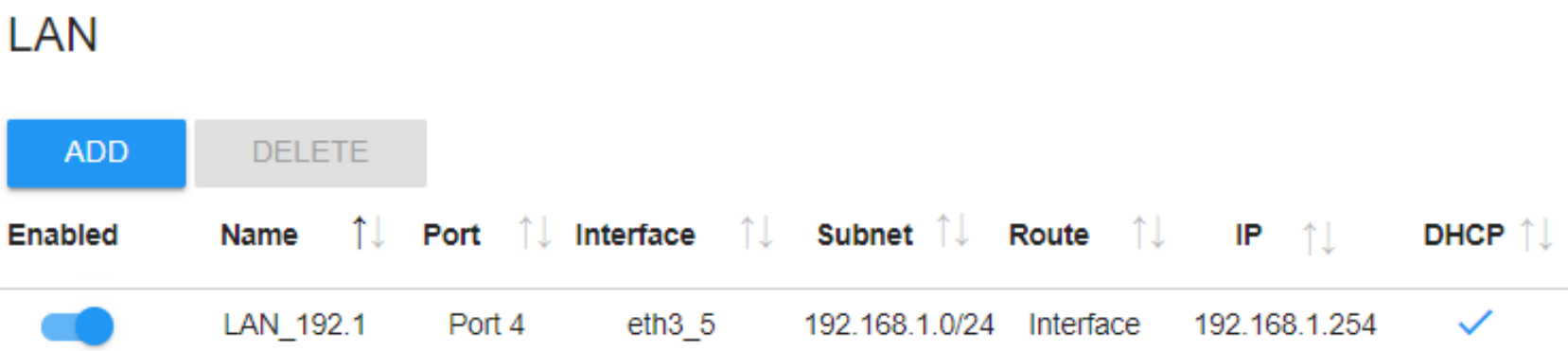
WAN

ADD DELETE

Enabled	Status	Type	Name	Port	Interface	Subnet	IP	Gateway
✓	✓	Static	SPARQ	Port 1	eth0_1	203.67.222.40/30	203.67.222.40	203.67.222.1
✓	✓	PPPoE	HiNet	Port 2	ppp1	122.116.63.225/32	122.116.63.225	168.95.98.254

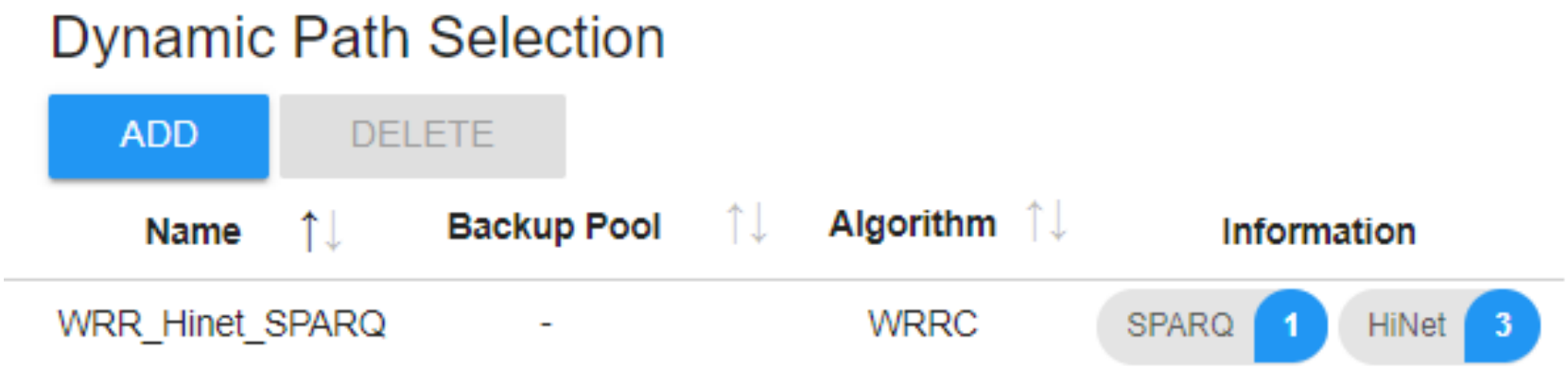
LAN

The ***LAN*** configuration is done as follows:



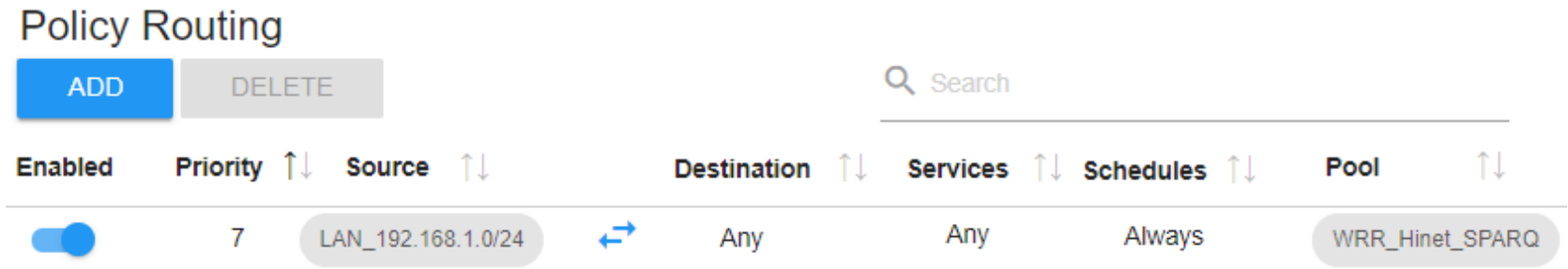
Objects > DPS

The ***DPS*** is configured as follows:



Policy Routing

The ***Policy Routing*** is configured as follows:



Requirement

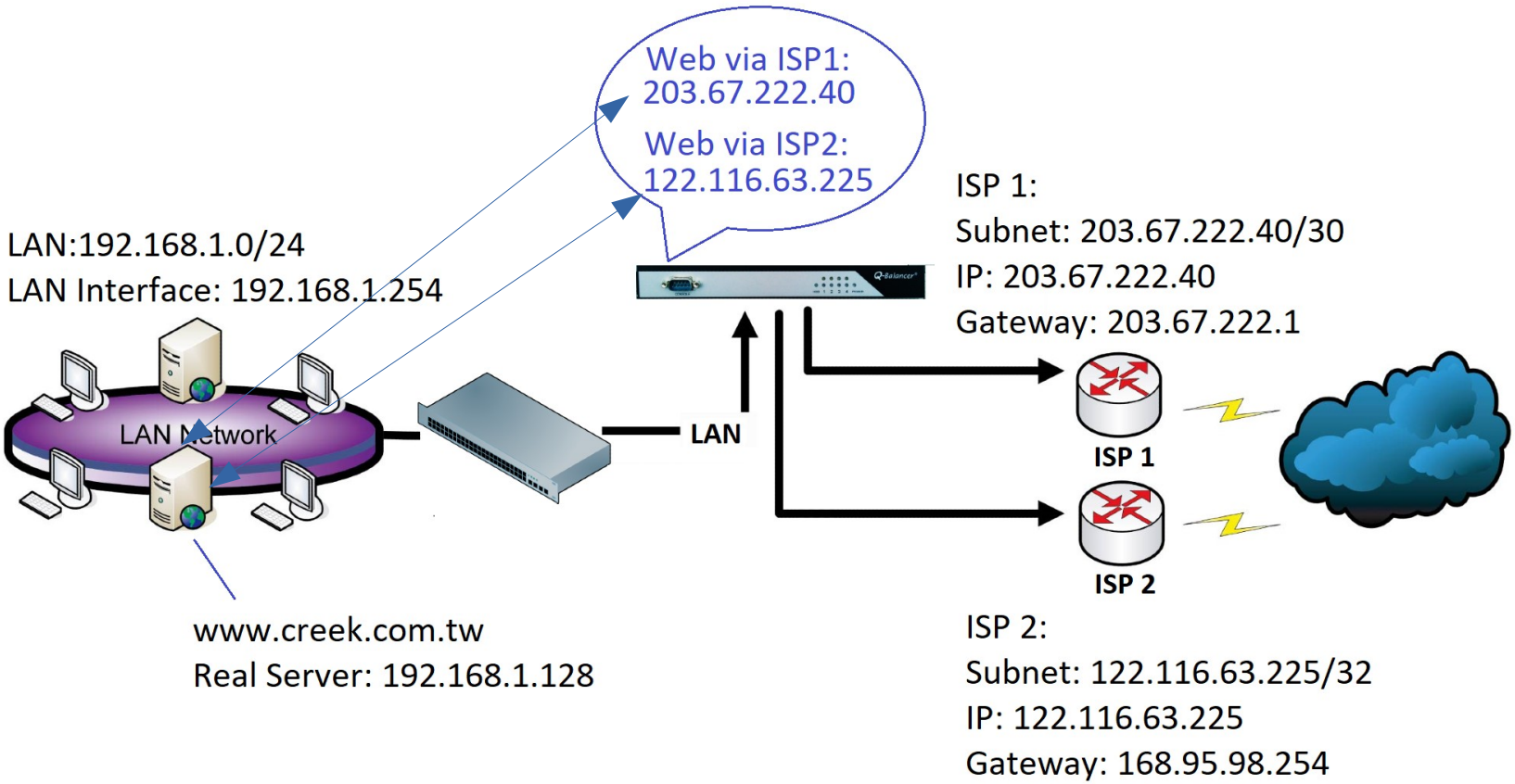
Now the Q-Balancer appliance is requested to:

1. Ensure connectivity for incoming requests to web server when/if any one of WAN links fails.

2. Distribute traffic from web server to the Internet across all available paths.

Solution: Inbound Load Balancing & Failover

The following is the network diagram to be proposed:



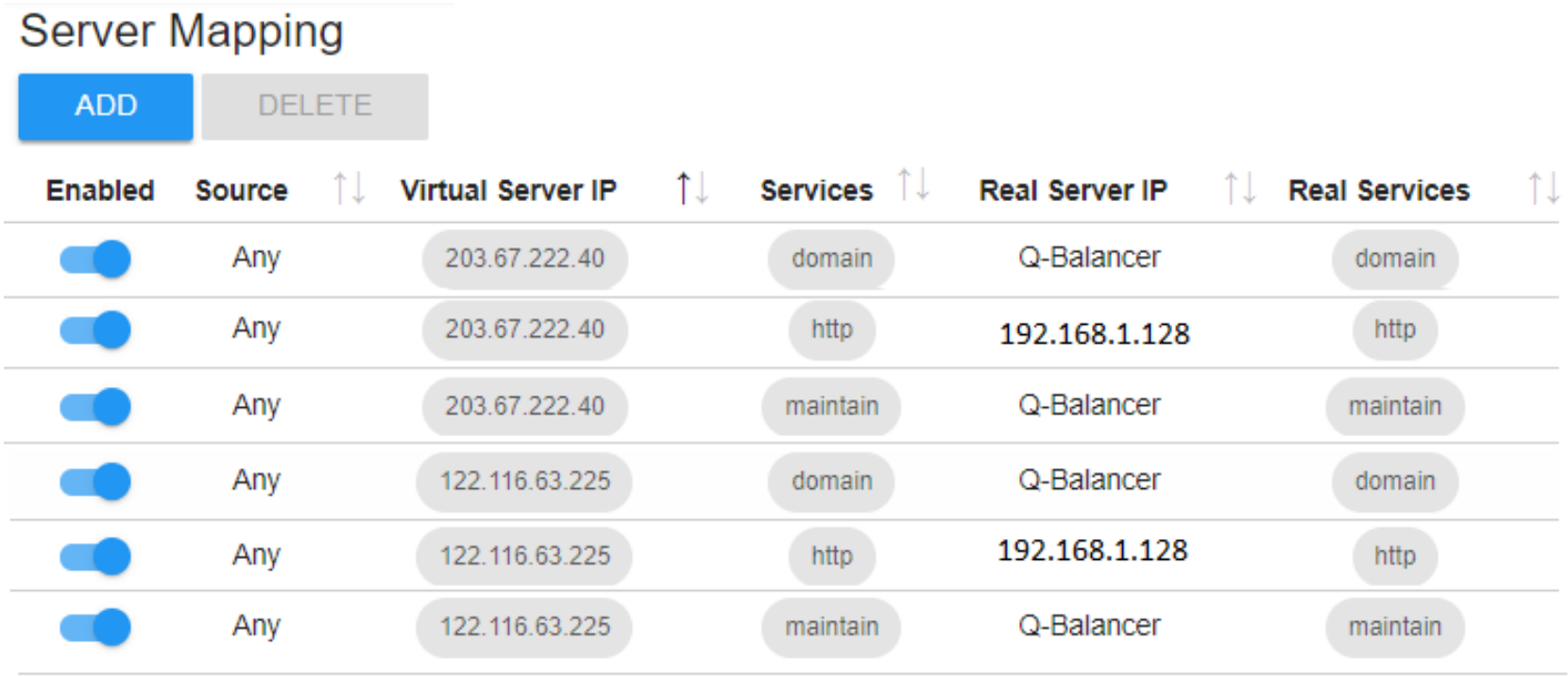
Follow the steps below to configure Inbound Load Balancing with the IP details given:

1. Server Mapping > ADD (DNS + HTTP)

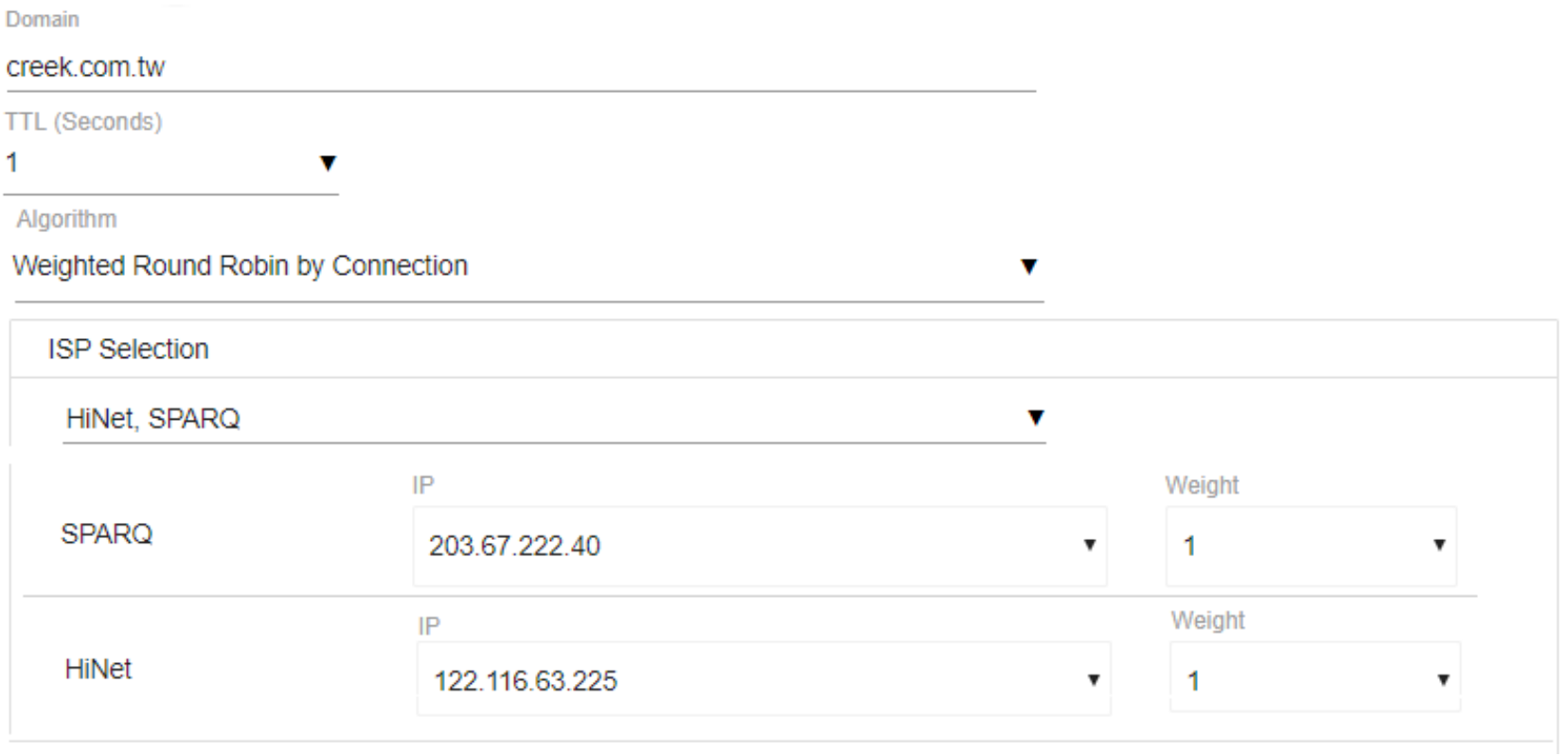
2. DNS > Multihoming > ADD

Server Mapping

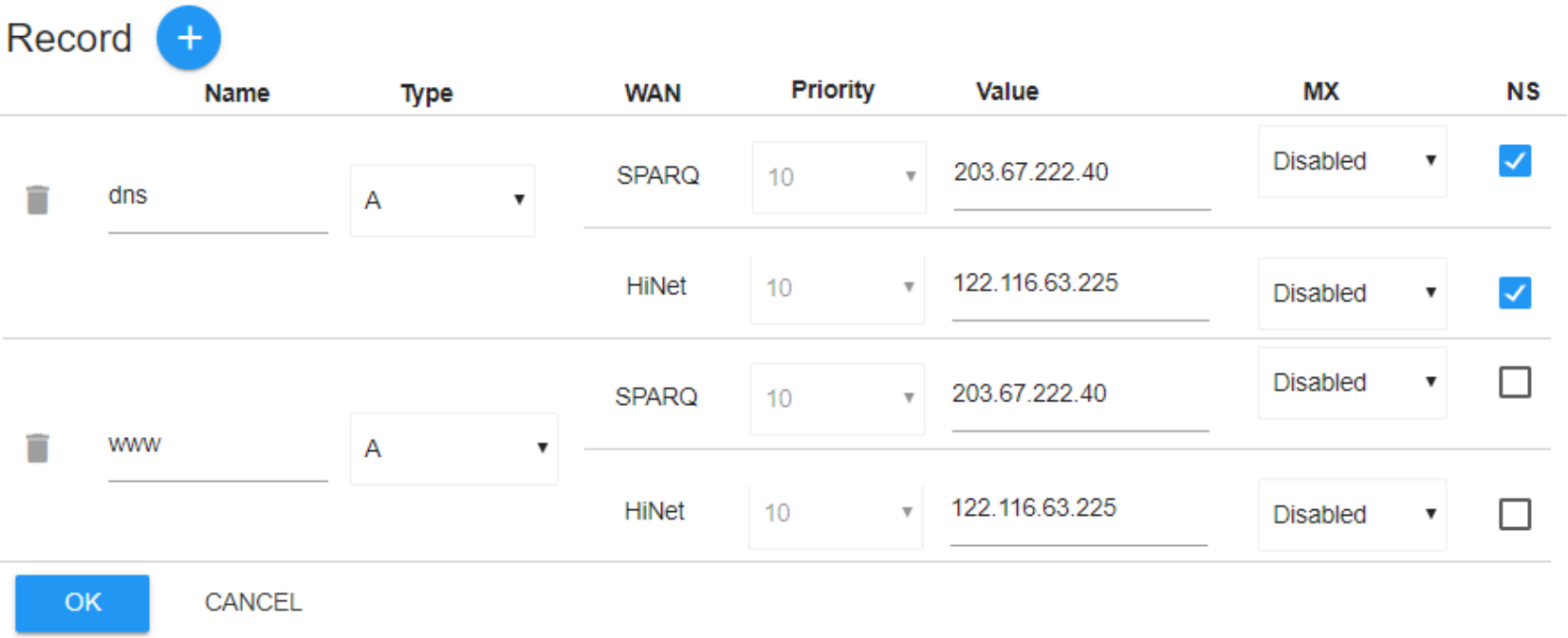
Add rules for ***domain*** and ***http*** on ***Server Mapping*** as follows:



DNS > Multihoming > ADD



DNS > Multihoming > ADD



Done!

> On your PC, execute the command of ***nslookup*** for DNS query to the web site.

> Check if the Q-Balancer appliance replies the DNS query with IP resolved from ISP 1 and 2 accordingly.