Adding DNS Entries to Core DNS

We are going to be adding a host alias for **example.com** in this example by adding the following to the coredns configmap:

```
               hosts custom.hosts example.com {
           1.2.3.4 example.com
           fallthrough
       }
```

For multiple hosts

```
      hosts custom.hosts example.com test.com {
           1.2.3.4 example.com
           6.6.6.6 test.com
           fallthrough
       }
```

Start by editing the coredns configmap:

```
kubectl -n kube-system edit configmap/coredns
```

```
apiVersion: v1
data:
  Corefile: |
    .:53 {
        errors
        health {
           lameduck 5s
        }
        ready
        kubernetes cluster.local in-addr.arpa ip6.arpa {
           pods insecure
           fallthrough in-addr.arpa ip6.arpa
           ttl 30
        }
        prometheus :9153
        forward . /etc/resolv.conf {
           max_concurrent 1000
        }
        cache 30
        loop
        reload
        loadbalance
        hosts custom.hosts example.com test.com {
            1.2.3.4 example.com
            6.6.6.6 test.com
            fallthrough
        }
    }
```

Force CoreDNS to reload the ConfigMap by entering:

```
kubectl delete pod --namespace kube-system -l k8s-app=kube-dns
```

Performing an nslookup from a pod should show the new IP address for example.com

```
root@ssh-server-5bd5774cf7-fgvt4:/# nslookup example.com
Server:                10.96.0.10
Address:        10.96.0.10#53

Name:        example.com
Address: 1.2.3.4
```

References

Reference	URL
** Add a Custom Host to Kubernetes	https://hjrocha.medium.com/add-a-custom-host-to-kubernetes-a06472cedccb
Coredns Host Plugin	https://coredns.io/plugins/hosts/
Customizing DNS Service	https://kubernetes.io/docs/tasks/administer-cluster/dns-custom-nameservers/
Debugging DNS Resolution	https://kubernetes.io/docs/tasks/administer-cluster/dns-debugging-resolution/
Custom DNS Entries For Kubernetes	https://coredns.io/2017/05/08/custom-dns-entries-for-kubernetes/