



Let's look at how you would lease a subdomain from another student. Let's assume that the other student has purchased the domain 'utahtech.rocks'. You ask them to delegate the subdomain of 'apple'. Meaning, you will have control over the 'apple.utahtech.rocks' subdomain.

In order for this to occur, several things need to happen:

- You must ask the other student (the registrar) for a subdomain (apple).
- They must agree

You as the lessee will need to build a zone just like we have done in the other dns assignments as being authoritative for 'apple.utahtech.rocks' or the zone that another classmate has leased to you.

The registrar will have to insert glue records.

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```
root@ns1:/etc/bind# echo "I will proceed as the lessee for now"  
I will proceed as the lessee for now  
root@ns1:/etc/bind# vi named.conf.local
```



```
type master;
file "/etc/bind/db.utahtech.rocks";
allow-transfer { 144.38.199.37; localhost; };
notify yes;
allow-query { any; };
};

zone "32-47.199.38.144.in-addr.arpa" {
    type master;
    file "/etc/bind/db.32-47.199.38.144.in-addr.arpa";
    allow-transfer { 144.38.199.37; localhost; };
    notify yes;
    allow-query { any; };
};

//I am authoritative for apple
zone "apple.utahtech.rocks" {
    type master;
    file "/etc/bind/db.apple.utahtech.rocks";
    allow-transfer { 144.38.199.37; localhost; };
    notify yes;
    allow-query { any; };
};

"named.conf.local" 32L, 748B written
```



root@ns2: /etc/bind



```
root@ns2:/etc/bind# echo "I will create zone declaration on the slave"  
I will create zone declaration on the slave  
root@ns2:/etc/bind# vi named.conf.local
```



```
$TTL      86400
@         IN      SOA     ns1.apple.utahtech.rocks. root.ns1.apple.utahtech.rocks.
(
          5          ; Serial
          604800     ; Refresh
          86400      ; Retry
          2419200    ; Expire
          86400 )    ; Negative Cache TTL
;

@         IN      NS     ns1.apple.utahtech.rocks.
@         IN      NS     ns2.apple.utahtech.rocks.

; you can put any number of records here, but MUST have ns1 and ns2
ns1      IN      A       144.38.199.36
ns2      IN      A       144.38.199.37
www      IN      A       144.38.199.38
```

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```
root@ns1:/etc/bind# service bind9 restart
```

```
root@ns1:/etc/bind# dig @localhost ns1.apple.utahtech.rocks A | grep 144
```

```
ns1.apple.utahtech.rocks. 86400 IN      A      144.38.199.36
```

```
root@ns1:/etc/bind# echo "looks to resolve good, but the glue records aren't in.  
That is in the next set of slides"
```

```
looks to resolve good, but the glue records aren't in. That is in the next set o  
f slides
```

```
root@ns1:/etc/bind#
```