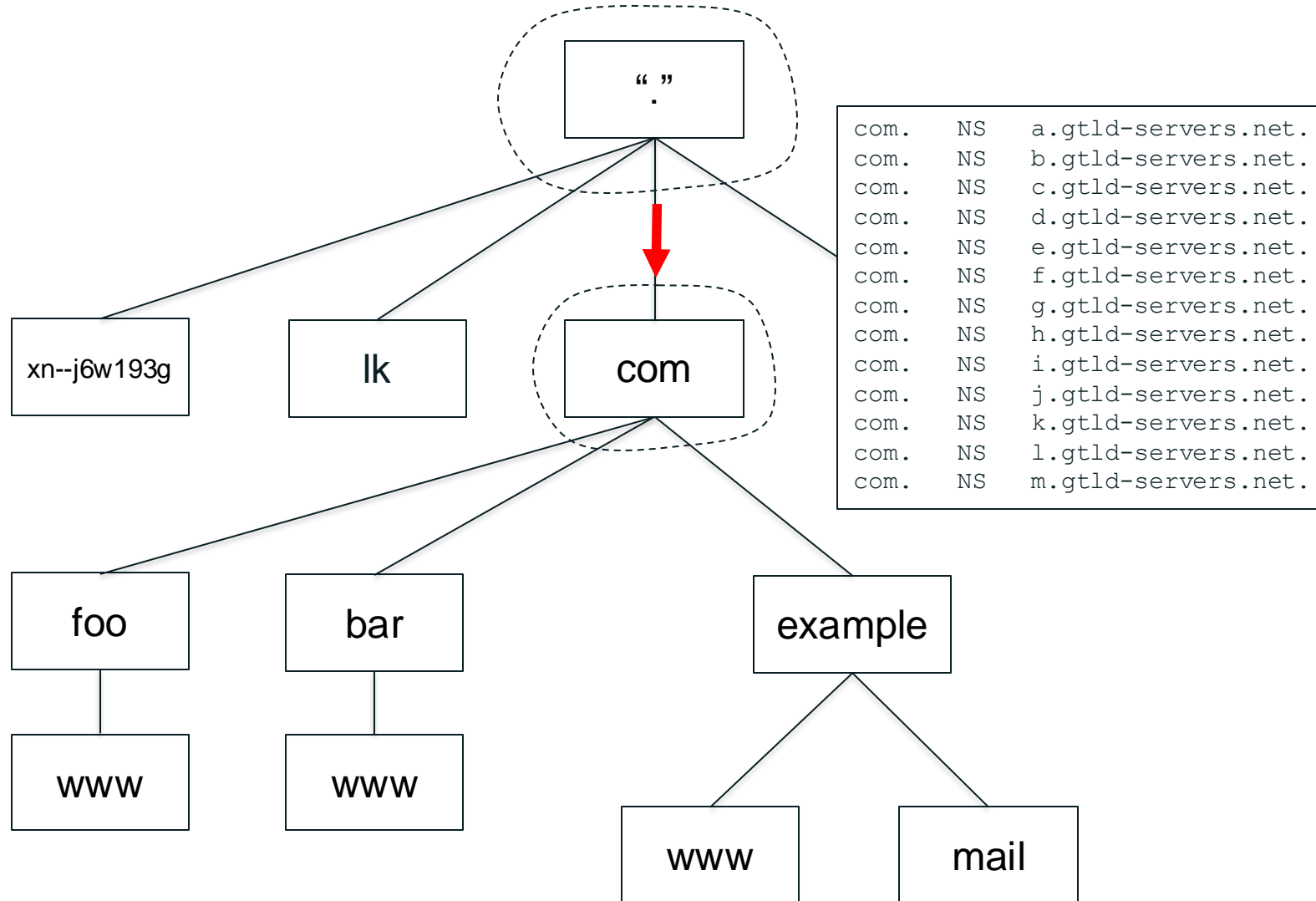
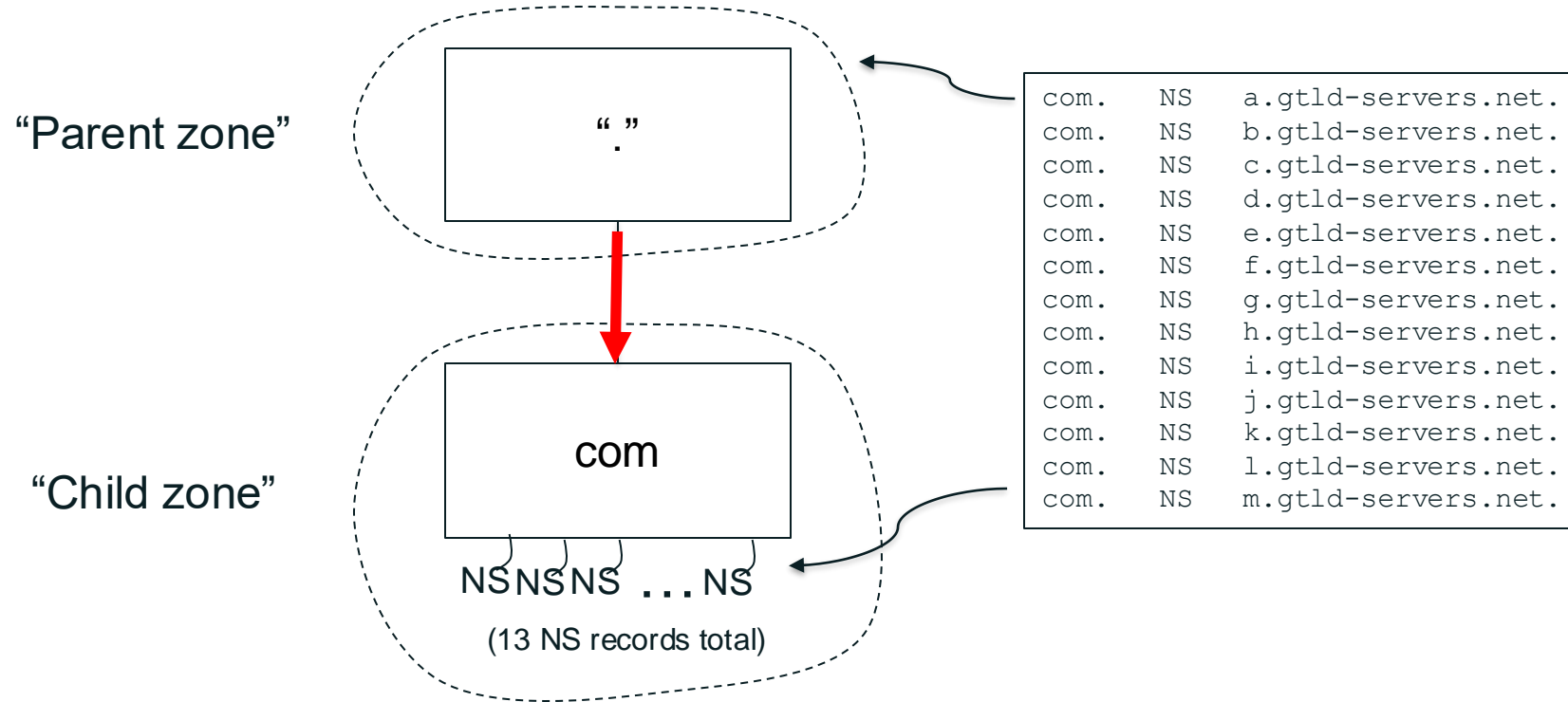


Authoritative Servers

NS Records Mark Delegations



NS Records Appear in Two Places



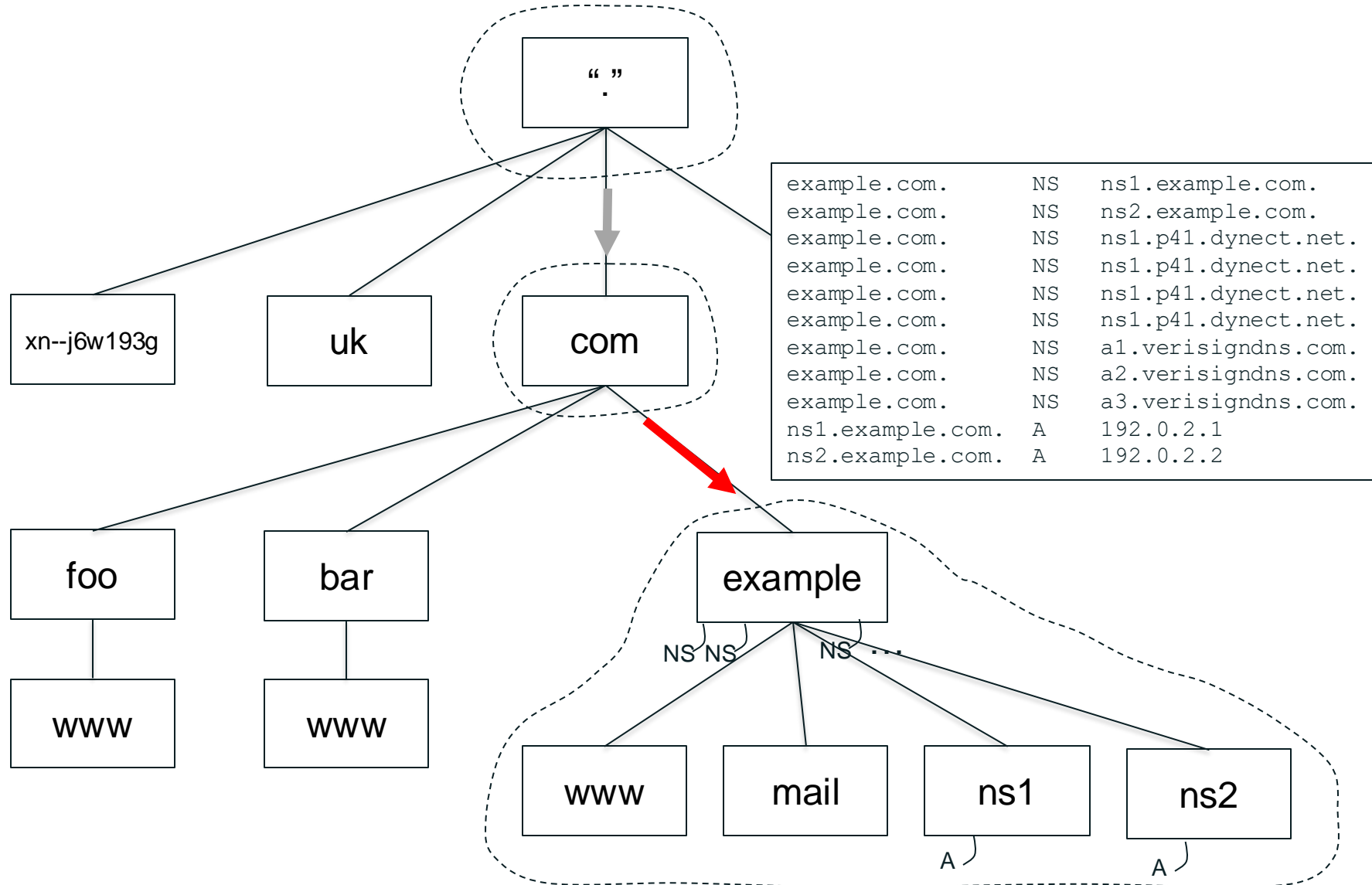
Glue Records

- A glue record is:
 - An A or AAAA record
 - Included in the parent zone as part of the delegation information
- Glue is needed to break a circular dependency
 - When the name of the name server ends in the name of the zone being delegated

```
example.com.    NS    ns1.example.com.
```

- Also for breaking for complicated dependencies not described here

More Delegation, Including Glue



Delegating a Zone

- Delegation is done by adding NS records
 - Ex: if example.com wants to delegate training.example.com to another party,

```
training.example.com. NS ns1.training.example.com.
```

```
training.example.com. NS ns2.training.example.com.
```

- Now how can we get to ns1 and ns2?
 - We must add a Glue Record

Delegating a Child Zone from a Parent Zone

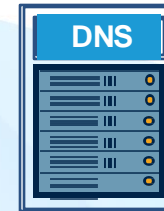
example.com (Parent Zone)



ns.example.com

1. Add NS records and glue
2. Make sure there is no other data from the training.example.com. zone in the zone file

training.example.com (Child Zone)



ns.training.example.com

1. Setup minimum two servers
2. Create zone file with NS records
3. Add all training.example.com data

Questions?



Engage with ICANN – Thank You and Questions



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