### DNS Subdomain Example

**Subdomain name:** games.horgoth.com

**Authoritative Servers:**
- 144.38.214.2 (master)
- 144.38.214.3 (slave)

**Registrar:** horgoth.com

<table>
<thead>
<tr>
<th>Host names</th>
<th>IPs</th>
</tr>
</thead>
<tbody>
<tr>
<td>NS1</td>
<td>144.38.214.2</td>
</tr>
<tr>
<td>NS2</td>
<td>144.38.214.3</td>
</tr>
<tr>
<td>empire</td>
<td>144.38.214.11</td>
</tr>
<tr>
<td>tetris</td>
<td>144.38.214.12</td>
</tr>
</tbody>
</table>
DNS Subdomain Example Lessee

Setup Steps

1. Arrange for subdomain from registrar.
2. Configure one authoritative master.
3. Configure one or more authoritative slaves.
4. Give authoritative server information to registrar.
5. Test.
**DNS Subdomain Example**

**Authoritative Master Setup**

1- Same as for primary domain. It's ok for new names to point to existing addresses. e.g. ns1.games.horgoth.com and ns1.cosutuxous both have A records for 144.38.214.2. It's ok for names to translate to IPs that aren't used yet.

**Authoritative Slave Setup**

1- Same as for primary domain.
DNS Subdomain Example

Register with registrar

1. Create message with subdomain name, authoritative server names and IPs.
2. Give message to registrar.
3. Wait for confirmation from registrar.
4. Test delegation.
DNS Subdomain Example

Testing

1. Testing is the same as with primary domain.
2. Additionally, Registrar's authoritative servers should be queried individually (master and slave) to be sure both have correct data.