

Assignment 2

Marking Schedule

IN715 Networks Administration

Requirements

On your primary server, you will provide the following:

- perform recursive lookups for client on your local networks only (3 marks);
- provide forward lookups for the `foo.org.nz` zone, including:
 - A proper SOA record (3 marks);
 - Two NS records (2 marks);
 - An MX record (2 marks);
 - Correct A records for your hosts with static IP addresses (5 marks);
 - A CNAME record that directs `www.` to your BSD server (2 marks).
- provide reverse lookups for your two networks. For every A record in your forward zone, there should be a corresponding PTR record in the appropriate reverse zone (10 marks).

In addition, your systems shall also satisfy the following requirements:

- Your secondary server shall be configured as a slave for each of the three zones on your primary server (5 marks).
- Your BIND DNS server and your ISC DHCP servers shall perform dynamic DNS updates of your forward and reverse zones (10 marks).
- Your files will be neatly formatted, well organised, and well named (3 marks).