

a template for a DNSSEC validating, caching only DNS Server (BIND)

Symptom:

Below is a template configuration file (named.conf) for a DNSSEC validating, caching only DNS Server. Please adjust the IP Addresses used in the ACL to match your client networks and your administrative machines.

Solution

```
acl mynetworks { 192.0.2.0/24; localhost; };

logging {
    channel syslog { syslog daemon; severity info; };
    channel security { file "security.log" versions 10 size 50M; print-time yes; };
    channel query_log {
        file "query.log" versions 10 size 50M; severity debug; print-time yes;
    };
    category general      { syslog; };
    category security     { security; };
    category queries     { query_log; };
    category dnssec      { security; };
    category default     { syslog; };
    category resolver    { syslog; };
    category client      { syslog; };
    category query-errors { query_log; };
    category edns-disabled { syslog; };
};

acl myadmins { 192.0.2.100; 192.0.2.101; };

statistics-channels {
    inet * port 8053 allow { myadmins; };
};

managed-keys {
    "." initial-key 257 3 8
    "AwEAAagAIKlVZrpC6Ia7gEzahOR+9W29euxhJhVVLOyQbSEW008gcCjF
    FVQUTf6v58fLjwBd0YI0EzrAcQqBGCzh/RStIo08g0NfnfL2MTJRkxoX
    bfDaUeVPQuYEHg37NZWAJQ9VnMVDxP/VHL496M/QZxkjf5/Efucp2gaD
    X6RS6CXpoY68LsvPVjR0ZSwzz1apAzvN9dlzEheX7ICJBBtuA6G3LQpz
    W5h0A2hzCTMjJPJ8LbqF6dsV6DoBQzgul0sGIcGOYl70yQdXfZ57relS
    Qageu+ipAdTTJ25AsRTAoub8ONGcLmqRAmRLKBP1dfwhYB4N7knNnulq
    QxA+Uklihz0=";
};

options {
    directory "/var/named";
    recursion yes;
    allow-recursion { mynetworks; };
    dnssec-enable yes;
    dnssec-validation yes;
    dnssec-lookaside auto;
    querylog no;
    recursive-clients 2000;
    tcp-clients 200;
    # max-cache-size 2147483648; // 2GB (adjust and un-comment)
};
```