

Cloud DNS Backup allows you to use Network Box's extensive network of cloud DNS servers to provide backup DNS in the cloud. By using such a cloud based network, service reliability can be improved and DNS queries can be responded to, from the cloud, even if the Internet link to the master DNS server in the LAN/DMZ is down. As with Cloud Mail Backup, you have full control over which Cloud DNS servers in which regions and countries, should be used to provide the service. This is a **FREE SERVICE** provided to all Network Box 5 customers subscribing to packages including our Network DNS Server security module.

FEATURES

- You will have full control over which of your domains will use the service.
- You will have full control over which cloud backup servers will be used for your domains.
- In general, the DNS system operates with load-balanced round-robin behaviour. The selection of DNS server to be used to resolve a particular query is often random and unpredictable. It is important to ensure that all listed servers are authoritative and correctly configured for the domains they are serving.
- Only the DNS records themselves, as well as statistical logs, will be stored on the Cloud DNS Backup servers.
- Should a particular Cloud DNS Backup service be unavailable for any reason, it will not respond and the client will choose an alternate server to query (as per the standard mechanics of the DNS protocol).

IMPLEMENTATION

In order to deploy the Cloud DNS Backup service, you will need to:

step 1: Contact and provide your local SOC, a list of the domain names that need backing up.

step 2: Await for confirmation from the SOC that your domains have been authorized.

step 3: Once the domains has been authorized, you can change your NS records as follows:

- Add `<region>.cloud.network-box.com` for each region you want to enable.

We are currently providing cloud backup servers in four regional locations:

- `asia.cloud.network-box.com`
- `america.cloud.network-box.com`
- `pacific.cloud.network-box.com`
- `europe.cloud.network-box.com`

- Take care not to list too many NS servers (as the maximum size of DNS replies over UDP is 512 bytes, and that has to include all returned records).



An on-the-box overview of the current status of the cloud DNS backup system is available on the HTML-5 Dashboard.

[Analysis > Cloud](#)