

### Zone walking - NSEC

#### ldns-walk @<nameserver> <domain>

```
ldns-walk @ns1.insecuredns.com insecuredns.com
```

#### Installing ldns utilities

```
sudo apt-get install ldnsutils # On Ubuntu/Debian  
yum install ldns # On Redhat/CentOS
```

### Zone transfer

#### dig AXFR @<nameserver> <domain>

```
dig AXFR @ns1.insecuredns.com insecuredns.com
```

### Zone walking - NSEC3 - nsec3walker

```
./collect insecuredns.com > insecuredns.com.col
```

```
./unhash < insecuredns.com.collect > insecuredn
```

#### Installing nsec3walker on Ubuntu 16.04:

```
wget https://dnscurve.org/nsec3walker-20101223.  
tar -xzf nsec3walker-20101223.tar.gz  
cd nsec3walker-20101223  
sudo apt-get install build-essential  
make
```

#### Calculating NSEC3 hash for a domain

```
ldns-nsec3-hash -t <iterations> -s <salt> <doma  
ldns-nsec3-hash -t 10 -s 1A2B3C4D5E6F myzone.ex
```

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Page 1 of 1.

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