

## Duplicate mail deliveries

### 1. Introduction :-

In an scenario, the user has several aliases for his mail account and one of his contacts sends the message to multiple addresses that eventually map to the same account.

### 2. Solution :-

Using the vnd.dovecot.duplicate extension, users have the means to detect such duplicates and deal with these appropriately, e.g. by discarding them.

- We need to upgrade our v3 delivery server's Dovecot to the latest stable version i.e 2.1.7 with latest compatible pigeon-hole sieve version.
- After compiling Dovecot with sieve, we need to enable the sieve extension called vnd.dovecot.duplicate with sieve duplicate period. In our case it would be around 1 hour.

### 3. Example :-

In this example, duplicate deliveries are silently discarded. Messages that are not recognized as duplicates are stored in the user's inbox as normal.

```
require ["vnd.dovecot.duplicate", "fileinto", "mailbox"];

if duplicate {
    discard;
}
```

This above sieve rule should be in .dovecot.sieve file , and that too above all other sieve rules.

### 4. Explanatory:-

The "duplicate" test keeps track of which Message-ID values were seen before by this test in an earlier delivery operation. It evaluates to "true" when the Message-ID header of the current message was seen before. If it is not known, the test evaluates to "false" and the Message-ID is added to a persistent internal tracking list.

Message-ID entries expire after some short period of time. (depends upon the time span given in sieve configuration file).