



# Better Mobile Email

A solution for laptop users

Presented by

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# Why? (Problem)

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- Laptop user – travel around to different networks
- Be productive on a plane
- Normal SMTP servers available at different times (e.g. corporate email server on VPN) – slows down email client
- Not about filtering. BUT DO IT.
- Use favorite tools...

# Email client (MUA) - Mutt

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- Single tasking
- Terminal based (screen!)
- Highly configurable
- Fast, FAST, **FAST**. Did I mention fast?

# Synchronization - OfflineIMAP

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- Was slowly maintained, now active again
- Transfers between IMAP, Maildir, MH stores
- Priority is retention – tries never to delete when confused
- Allows clever use of Python functions in configuration

# SMTP server - Postfix

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- Highly secure and easily configurable
- Supports complex routing decisions
- Readable logs and good management tools

# Configure OfflineIMAP

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- Set up different accounts and local stores in `~/.offlineimaprc`
- Remote IMAP, local Maildir(s)
- Note: GMail has special handling to avoid e.g. [All Mail]

# Configure Postfix

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- **main.cf**
  - Sender dependent authN, relay hosts
  - Use `soft_bounce` for unavailable servers
- **master.cf** – Add a service (port) for additional accounts
- **transport, sender\_relay** – per-sender address, relay to appropriate MX
- Also configure SASL, TLS as needed

# Configure Mutt

- **folder-hook** to set parameters including SMTP connection

```
folder-hook GM/* 'set record="" from="Paul W. Fields  
<stickster@gmail.com>" use_from signature=~/.signature"  
smtp_url=smtp://localhost'  
folder-hook RH/* 'set record=~/.Mail/RH/Sent" from="Paul W. Fields  
<pfrields@redhat.com>" use_from use_domain=no  
signature=~/.signature.short" smtp_url=smtp://localhost:10025'
```

- **reply-hook** sets From: for replies
- Multiple address providers for querying addresses (e-d-s, corporate, Google, etc.)
- Optional: Wrap Mutt for folder ordering



# Configure NetworkManager



- NetworkManager dispatcher script manages Postfix based on network changes
  - Uses **defer\_transport** setting to manage available services
  - Check network each time a network goes up or down
  - Drop in **/etc/NetworkManager/dispatcher.d/**
- Customize based on your preferred networks

# Results

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- Send email as desired, wherever you are
- Instant response in Mutt, even when offline from one or more servers
- When you connect to the right network again, email is automatically sent

# Questions?

<http://pfrields.fedorapeople.org/configs/>

<http://pfrields.fedorapeople.org/presentations/>

#DevConfCZ



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