

# Public key cryptography

- [GPG ed25519](#)
- [GPG Keys](#)

# GPG ed25519

```
# Note: These options are now defaults
gpg --expert --full-gen-key
# press 9 (ECC and ECC)
# press 1 (Curve 25519)
# press 0 (not expire)

# export
gpg --list-public-keys
gpg --export --armor <key_id> > pubkey.pem

# import
gpg --import pubkey.pem
gpg --edit-key <key_id>
trust

# encrypt
gpg -e -r <key_id> --armor

# decrypt
gpg --decrypt <file>

# sign
echo "message" | gpg --armor --default-key <key_id> --detach-sig
```

# GPG Keys

hxd@hexadust.net

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

```
mDMEaHqdSBYJKwYBBAHARw8BAQdA75kN9QJdezzcDurY6V+pvGavhDov1/vt6CJ8  
/mi6H500HEhLeGEgRHVzdCA8aHhkQGhLeGFkdXN0Lm5ldD6IkwQTFgoA0xYhBP8W  
5f2kKHPLAY6y39QdL23Ly3Q8BQJoep1IAhsDBQsJCAcCAiICBhUKCQgLAgQWAgMB  
Ah4HAheAAAoJENQdL23Ly3Q8nzUA/03X+ZM8gahZNzP/JnFN0jUpgSJw3UTGQclt  
VpzxIaKJAQCp5mU8b7coD4loFcFSI/nM01PMCLt+vKhkE5Pyy13qALg4BGh6nUgS  
CisGAQQBl1UBBQEbb0Aqae5jfaPBmTDykaNNt9F7nraXKYKN4tzgV6ub2LcpQwMB  
CAeIeAQYFgoAIBYhBP8W5f2kKHPLAY6y39QdL23Ly3Q8BQJoep1IAhsMAAoJENQd  
L23Ly3Q8UFQBAKkbfelkxn3ZgoIVY/KMel1AtJIqw3Z1cAeLC2o3+Lm5AQDGuotq  
u0351j0gdJz07jNrN6IvE6VQrEueuEP0EcXjAA==  
=xdPY
```

```
-----END PGP PUBLIC KEY BLOCK-----
```