

Benchmarking Cypherdog Encryption and other e-mail encryption technologies

Feature	Cypherdog	S/MIME	PGP	CSE (*)	Bitmessage
Works with existing Web e-mail	X	X	X	X (**)	-
Works with Microsoft Outlook (webclient + desktop)	X	X	-	-	-
Support for manual message encryption / decryption (other channels)	X	-	X	-	-
Support for file encryption	X	X	X	X	-
Private key offline storage	X	X	X	-	X
No dependency on external CA	X	-	X	-	X
No public access to encrypted material	X	X	X	X	-
Signed public key download	X	X	-	-	-
Encrypted message sender/receiver discovery not possible	X	X	X	-	X
No admin skills required for configuration	X	-	-	-	-
User friendly for intensive daily use	X	X	-	X	-
Scalable public key distribution	X	X	-	X	X
Blockchain ready (enhanced public key distribution security)	X	-	-	-	X
Not sensitive to local computer certificate keystore attacks	X	-	X	X	X

(*) - Google Workspace Client-side encryption

(**) - only Google services