Benchmarking - 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	–
Scallable 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
Command line text/file encryption/decryption	X	–	X	–	–
Cooperation with security systems on Gateway (***)	X	–	–	–	–
Working on mobile devices (Android/iOS)	X	–	–	–	–
First time encryption without account	X	–	–	–	–

(*) - Google Workspace Client-side encryption
(**) – only Google services
(***) – Business version

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