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| --- | --- | --- | --- | --- |
| **Function** | **Secure FTP** | **Secure USB****e.g. Iron Key** | **DX** | **DX strategic advantage** |
| **Maps data types between sender and recipient IT systems (Integrity)** | Manual process | Manual process | An automated process assisted by data tagging | **🗹** Reduces human error **🗹** Saves time to deploy and time to adjust data sharing project |
| **Data Leakage Prevention (Privacy)** | None | None | * An automated process assisted by data tagging
* Authorisation to share e.g. MoU’s, are mapped to each ‘project’
 | **🗹** Proactive warnings that ICLD is about to be shared**🗹** The opportunity for Privacy governance and oversight is improved |
| **Role Based Access Control (RBAC) & auditing** | None | Dependent on each implementation | RBAC is mapped and audited. | **🗹** Investigations into Privacy breaches are quicker |
| **NGO workload** | One or more Secure FTP setup per endpoint | Need to use secure-courier or fly people around with USB sticks | Performs as a single intelligent gateway to multiple agencies | **🗹** The automation process lowers the technical entry point & workload |
| **User Accounts and Password controls** | None | Strong, but passwords are often shared | Strong passwords enforced per persons and PIN’s widely used | **🗹** Person level accountability**🗹** 2FA in use |
| **Encryption (Confidentiality)** | Protects data in transit | Protects data at rest | Protects data in transit and at rest | **🗹** Meets or exceeds NZISM requirements |
| **Technical diversity****(Flexibility and reliability)** | Manual intervention required | Manual intervention required | Native capability to translate between endpoints | **🗹** Eliminates human intervention thus allowing 24x7x365 operation |
| **Cloud uptake****(Cloud-first strategies)** | On a per instance basis | N/a | Talks to many clouds natively, with built-in data format correction e.g. for default date formats | **🗹** Delivers to cloud-first strategies with built-in translation to different formats |
| **File-format (spacefiller) malware** | Malware is securely transferred along with the data | Malware is securely transferred along with the data | The DX only transfers data and leaves file-format malware behind | **🗹** An entire category of malware has just been de-scoped |