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Enhancing Cloud Security

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Abstract : Literature review revealed that today's technical and legal landscape presents formidable challenges to personal data privacy. First, our increasing reliance on web services and cloud computing causes personal data to be cached, copied and achieved by third parties, without our knowledge or control. Second the disclosure of private data has become common place due to carelessness, theft or legal actions. Self destructing data aim at protecting user data privacy through integration of cryptographic techniques with active storage framework based on T10 standard. In SeDas, the data will get destructed after user specified time, in addition the decryption key II also get destructed. We evaluate experimentally and analytically the functionality, security, and performance properties of SeDas, demonstrating that it is practical to use and meets the privacy-preserving goals described above.