

Linux Encryption Deployment

Irish Financial Service Provider



Our client is one of Ireland's leading Financial Services providers operating over 90 branches nationwide. As part of an upgrade to their network of branch servers the company looked to incorporate a disk encryption solution within the security standard for their new systems being deployed.



THE CHALLENGE

Full disk encryption on Linux has over the last few years become well supported by all major vendors, and something which Securelinx would always recommend deploying as standard on portable devices. For servers however the management of keys creates an overhead where encryption of data at rest is difficult to justify with systems designed to operate 24x7.

THE APPROACH

Securelinx was tasked to design a system where data on branch systems would be encrypted at rest, but also where these systems could boot without the presence of IT staff at the branch office and without sharing passphrases with staff at the branch office.

THE SOLUTION

Securelinx designed and implemented client and server software to perform this task. When connected to the secure corporate network the branch office systems could automatically request encryption keys from a central system on boot, once the client had properly authenticated itself. Outside this secure network access to the key was not possible therefore protecting the server data in the event of the server being removed. On the server side tools to track and manage the encrypted client were also provided.

Commenting on the Project, Brian Farrell, Director at Securelinx said:



“Creating this solution for our customer not only leveraged our core capabilities for Linux services, it also highlights our in-depth security knowledge and skills as well as the maturity of available security features within Open Source.”



Securelinx has an extensive track record in complex project delivery. Our reputation, depth of technical expertise, flexibility, emphasis on longer-term relationships and commitment to total customer satisfaction have all contributed to our success and growth over the years.