Mobile Confidential Viewing

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Introduction

- Smartphones and tablet devices are becoming increasingly popular.

- However, the security issues arise with the use of mobile devices.

- Fuji Xerox has developed an encryption technology called Mobile Confidential Viewing (MCV) that provides users with safe, secure, and accurate access to required information.

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Mobile Confidential Viewing Technology (MCV)

Protects the data stored in mobile devices and controls the time allowed for viewing each file.

MCV Overview

1) An electronic ticket containing a decryption key, a re-encryption key and an expiration period is issued.

2) The encrypted file in a mobile device will be decrypted using the decryption key in the ticket.

3) After the ticket expires, the target file will be re-encrypted using the re-encryption key in the ticket.

4) The re-encrypted file can be continuously viewed by using updated tickets.

5) If the mobile device is misplaced or stolen, users can stop issuance of the tickets so that the file can no longer be decrypted.

| Ticket |
| Valid Period |
| 🔑 Decryption Key |
| 🔑 Re-encryption Key |

Ticket Distribution Server   Ticket   Mobile Device

Ticket   Encrypted File

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Application Example for MCV

Deliver MS Exchange data in security to 3G mobile phone/tablet

Intranet / Inside Firewall

MS Exchange Server   Management Server   Firewall

1. Gathers schedule data and the attached files, then encrypts them

Internet / Mobile 3G

Android tablet

3G network

2. Delivers schedule, and the attached file.

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