Division of Workers' Compensation

EAMS Electronic Adjudication Management System

CA Department of Industrial Relations

EAMS Present Term Solution
Security and Account Management

Agenda

- Present Term Solution Security
- Application Security
  - SFTP Server Overview
- Infrastructure Security
  - OTech Security Standard
  - Present Term Solution
- User Account Management

Present Term Solution Security

- DIR/DWC will ensure trading partner information is secure through:
  - Application Security (data in flight)
  - Infrastructure Security (data at rest)

Application Security - SFTP Server Overview

- Secure File Transfer Protocol
- Usernames, passwords and commands are encrypted
- Data transport is encrypted

Infrastructure Security - OTech Security Standard

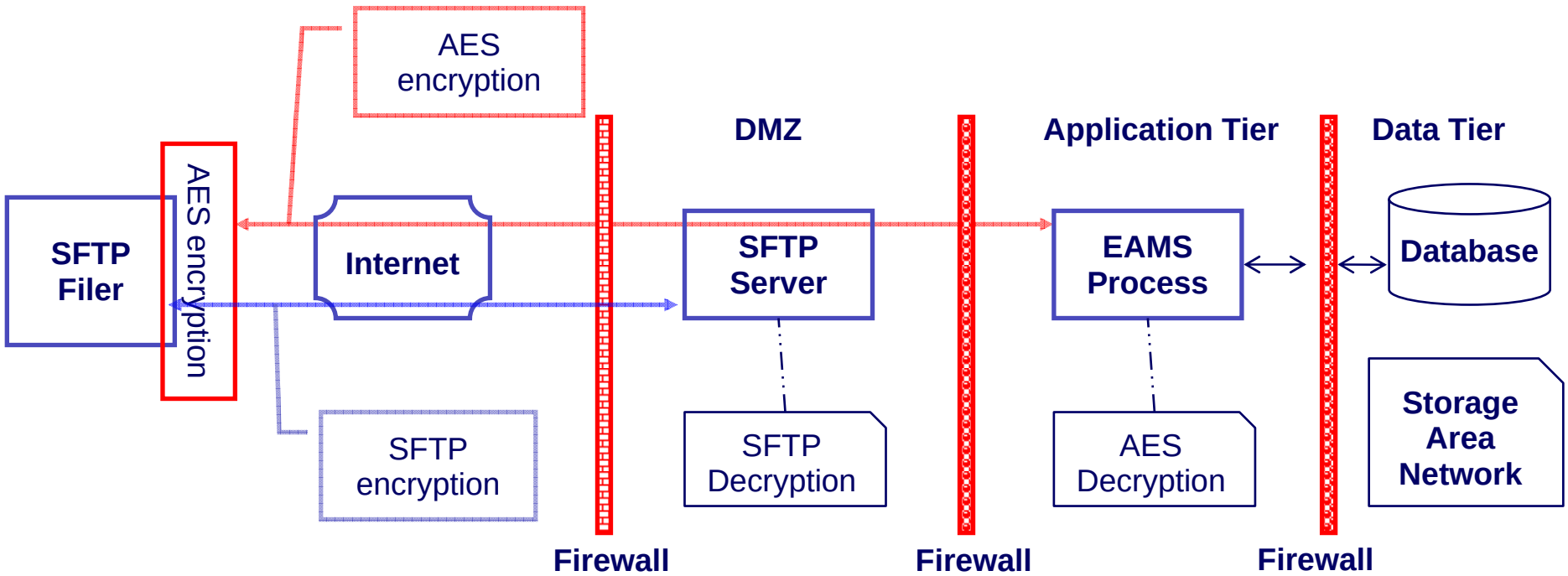
- OTech is the State of CA data center
  - ➢ Hosts DMV, EAMS, etc
- OTech maintains strict security standards to protect the state's data
- Public facing SFTP servers reside in the de-militarized zone (DMZ)
  - Web tier or Web layer
  - Resides between OTech and external network
  - Used to provide services without allowing outside world directly into internal network
- OTech security standard can be found at:

  http://www.servicecatalog.dts.ca.gov/docs/3117_Network_Architecture_Standard.pdf

Infrastructure Security – Present Term Solution

- The Present Term Solution SFTP server will reside in the DMZ (based on OTech Security Standard)
- All files sent will be encrypted at two levels:
  - SFTP encryption (data in flight)
  - Advanced encryption standard (AES) (data at rest)
    - National Security Agency (NSA) certified for top secret classified information
- SFTP decryption will take place in DMZ
- AES decryption will take place inside EAMS secured environment

Infrastructure Security – Present Term Solution



User Account Management

- External users will submit trading partner agreement
- Three levels of users:
  1. Discreet filer: organization or individual, which is or will become a case participant and which files via SFTP on behalf of itself only (State Fund/EDD/Hanna Brophy, etc)
  2. Third party filer (TPF): organization or individual, which is not a case participant, which files via SFTP on behalf of case participants
  3. Software provider: organization or individual, which is not a case participant, which provides software to individuals to file via SFTP

User Account Management

- DWC will issue accounts and passwords:
  1. Discreet filers: one account/SFTP folder per location by UAN
  2. TPFs: one account/SFTP folder
  3. Software providers: one account/SFTP folder per software user
- Accounts will lock after 3 failed attempts
- Accounts will expire if/when trading partner agreement is dissolved
- External users responsible for security on their end (Civil Code section 1798.81.5(b) 1798.82(a))