

San Antonio Water System

Fabius Bascon, Jr

Director of Information Technology

Robert Pina

Director of Applications

Michael Kampstra

Manager Network Engineering



San Antonio Water System

- Corporate Network
- SCADA Network
- Security/Outdoor Wireless Network
- Convergence
 - SCADA and Corporate Network



San Antonio Water System

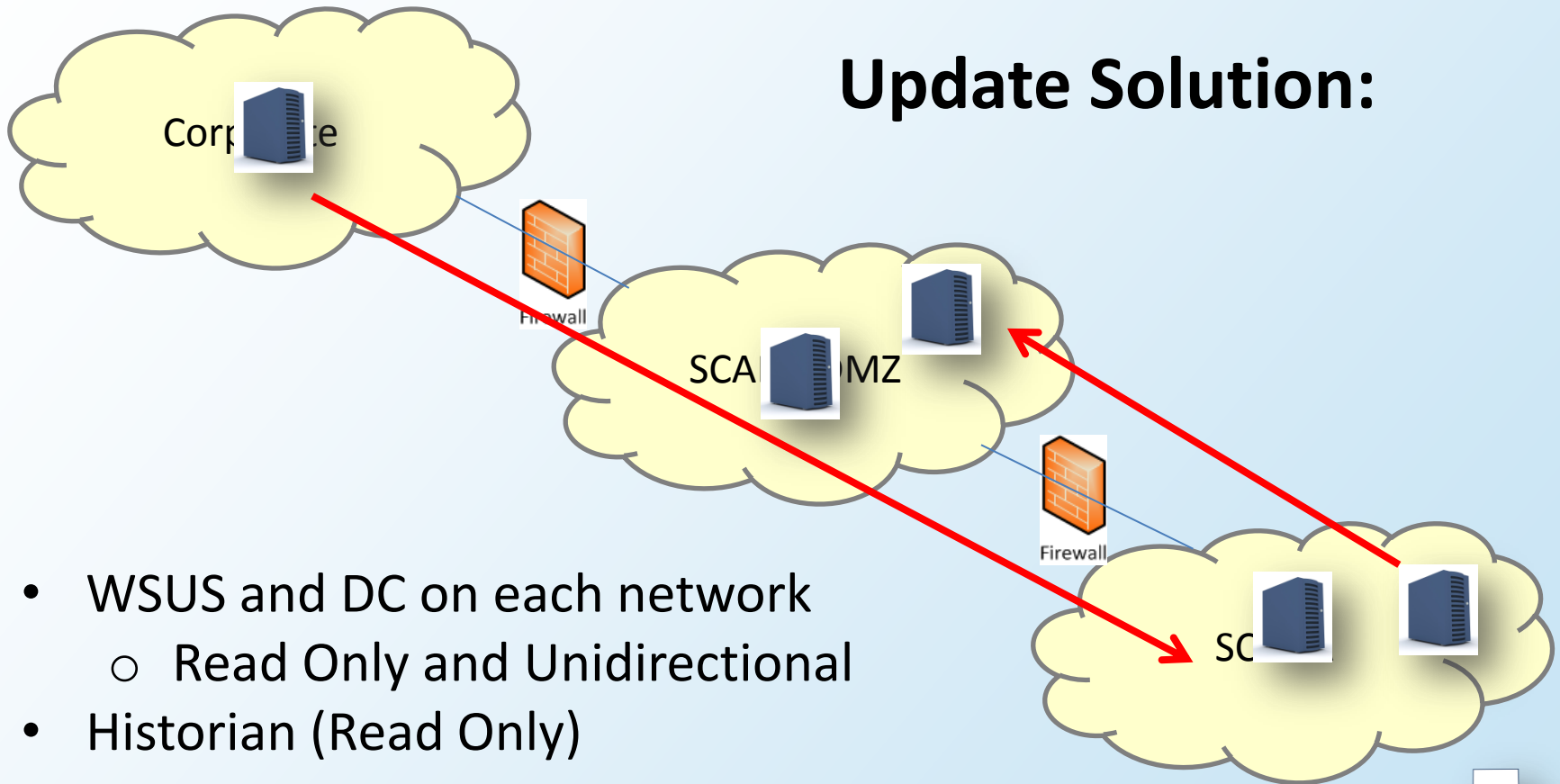
Issues

- Updates
 - Antivirus, Windows Updates
- Access
 - Passwords, Control Systems, Phone, Corporate
- Monitoring
 - Sneakernet



San Antonio Water System

Update Solution:

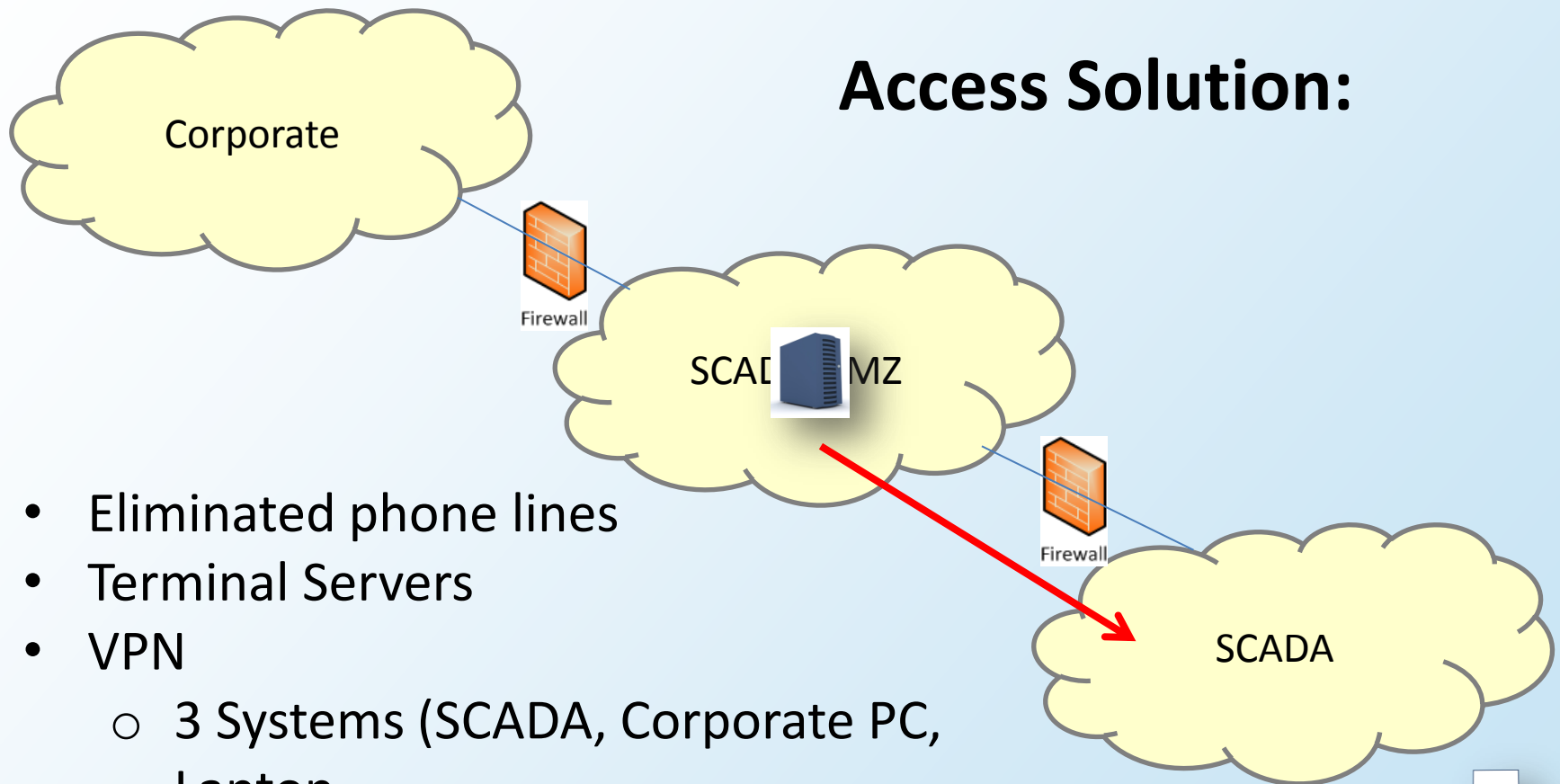


- WSUS and DC on each network
 - Read Only and Unidirectional
- Historian (Read Only)



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Access Solution:

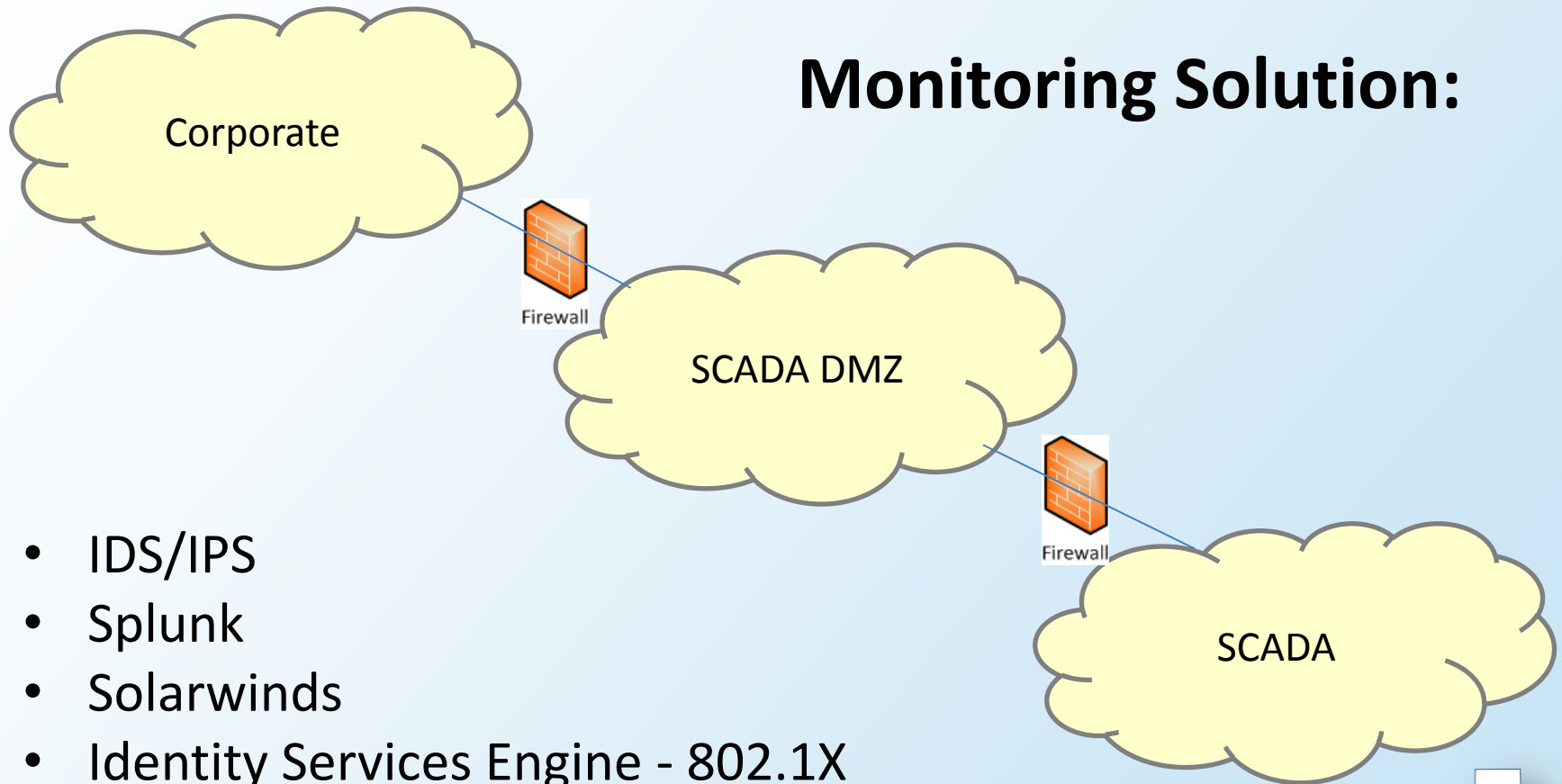


- Eliminated phone lines
- Terminal Servers
- VPN
 - 3 Systems (SCADA, Corporate PC, Laptop)
 - VDI (1 system)



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Monitoring Solution:



- IDS/IPS
- Splunk
- Solarwinds
- Identity Services Engine - 802.1X



Next Presentation

