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Consulting

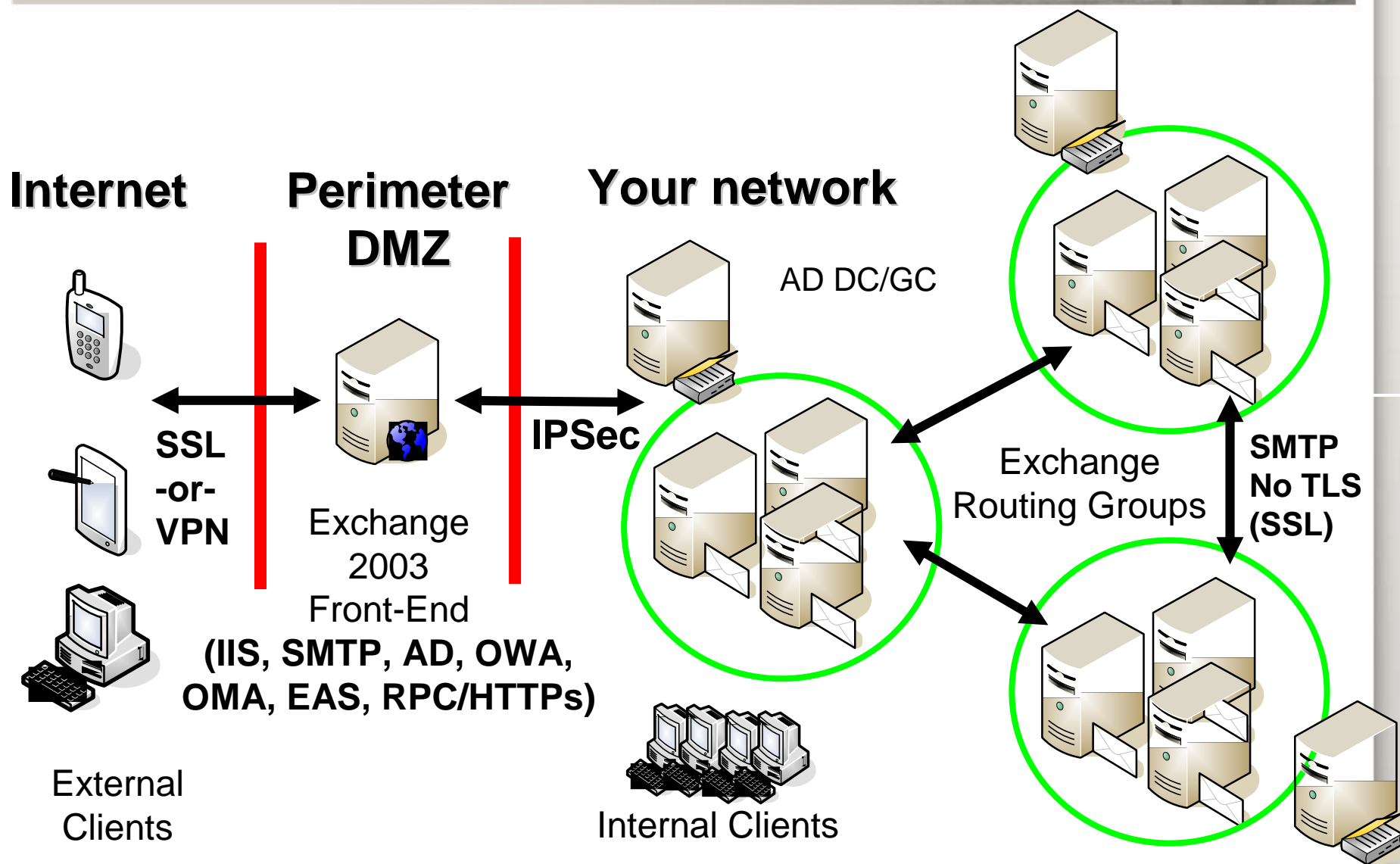


ExchangeGuy Consulting

- Email Systems for 20+ Years 
- Everything Exchange
 - Architecture, Migration/Upgrades, Security, Guidance, ISV Advisor, Strategy, Testing, Whitepapers, Reviews
- Trainer, Author, Speaker, User Groups, MVP

Agenda

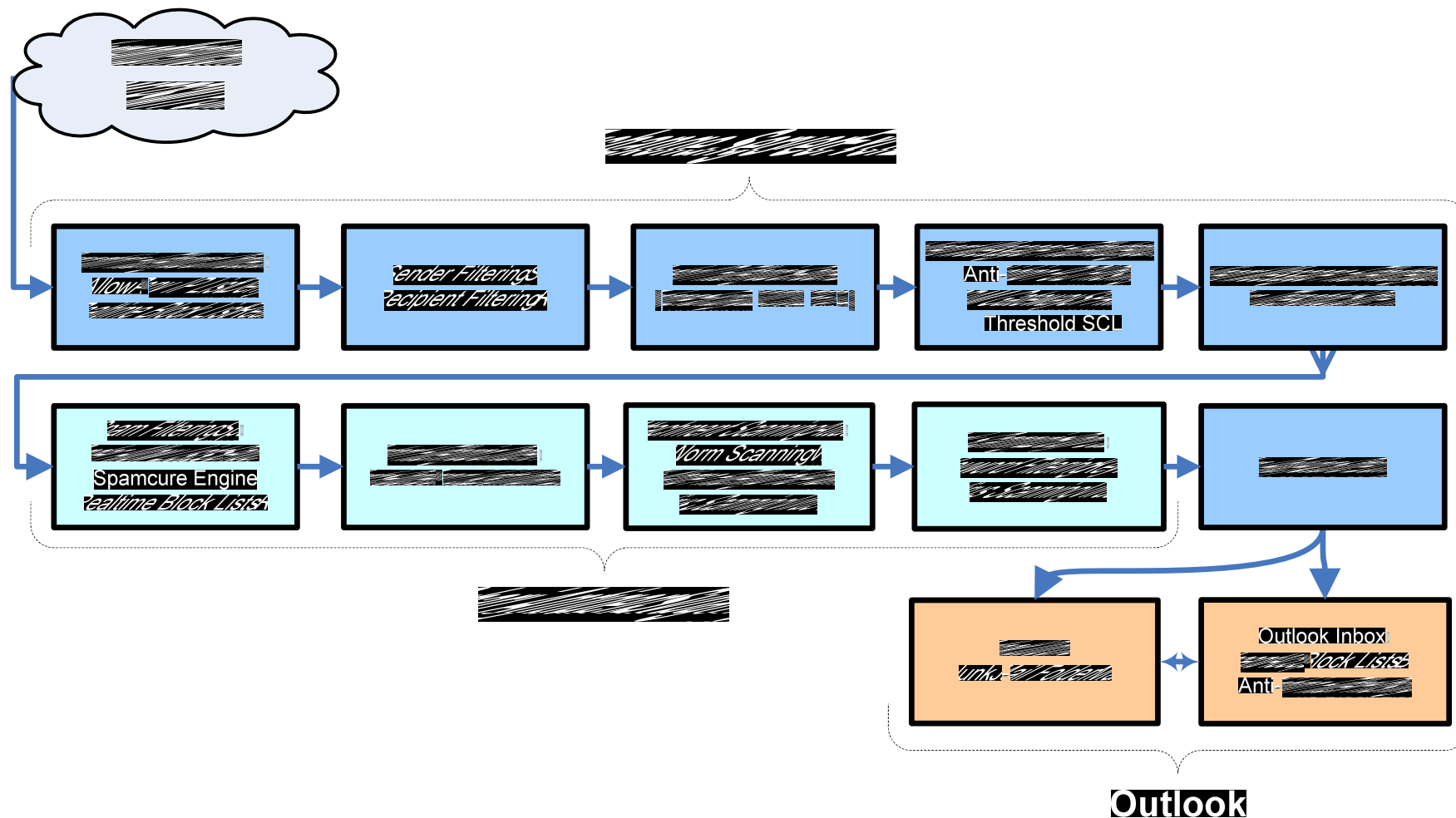
- Exchange 2003 Security
-
- Security Fundamentals of Exchange 2007
- Additional Security
- Expanding Servers and Protocols
- Microsoft in the Security Space
- Questions

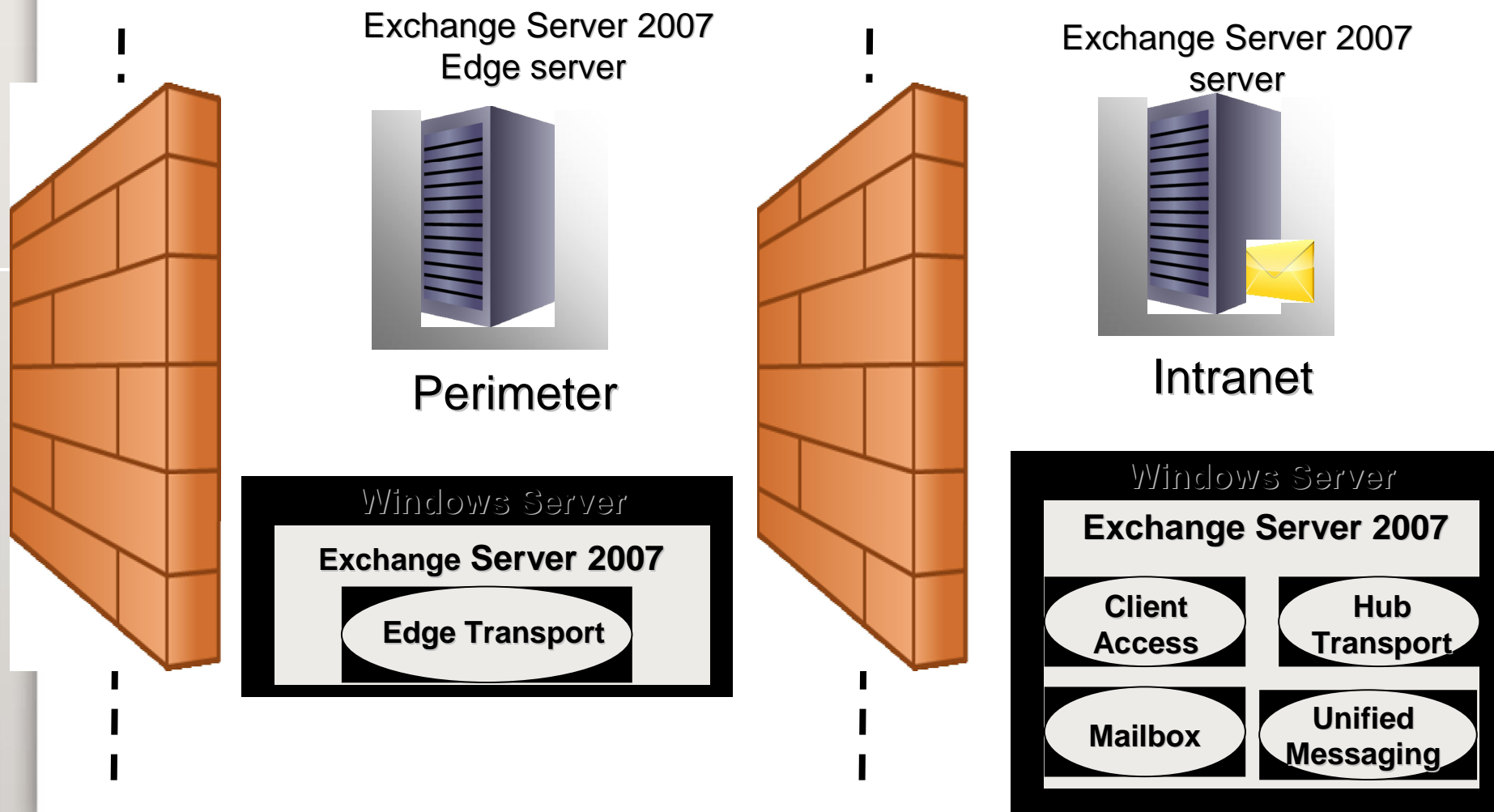


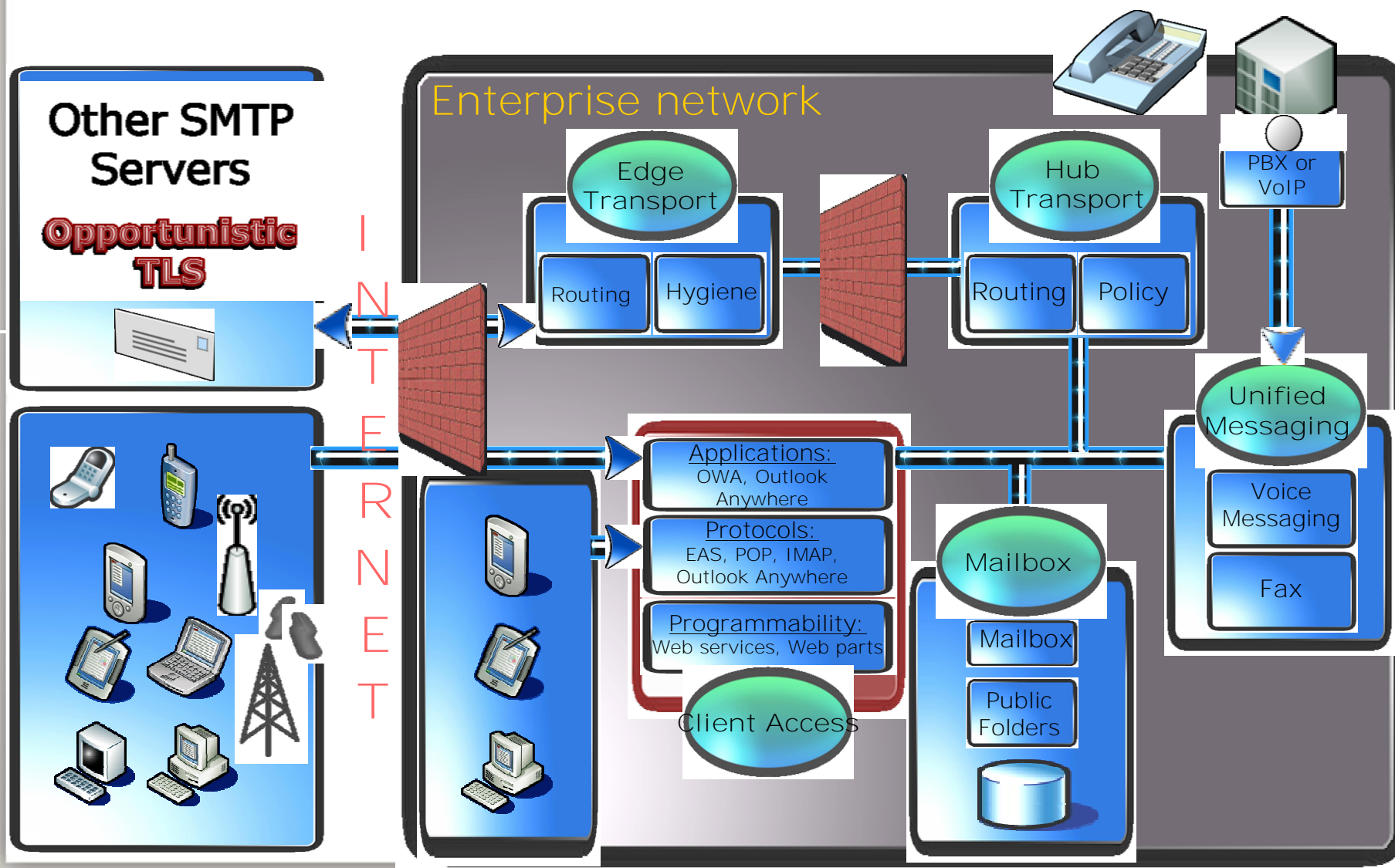
Exchange 2003 Security

- Concerns with Exchange in the DMZ
 - Port 25, TLS Difficult, Other Ports
 - Active Directory in Perimeter
 - IIS Exposure, patches, etc.
- Internal Communications Between Servers
-
- Installed, Appliance, and/or Hosted
- Violation of ABM Treaty
 - Everything else goes here....

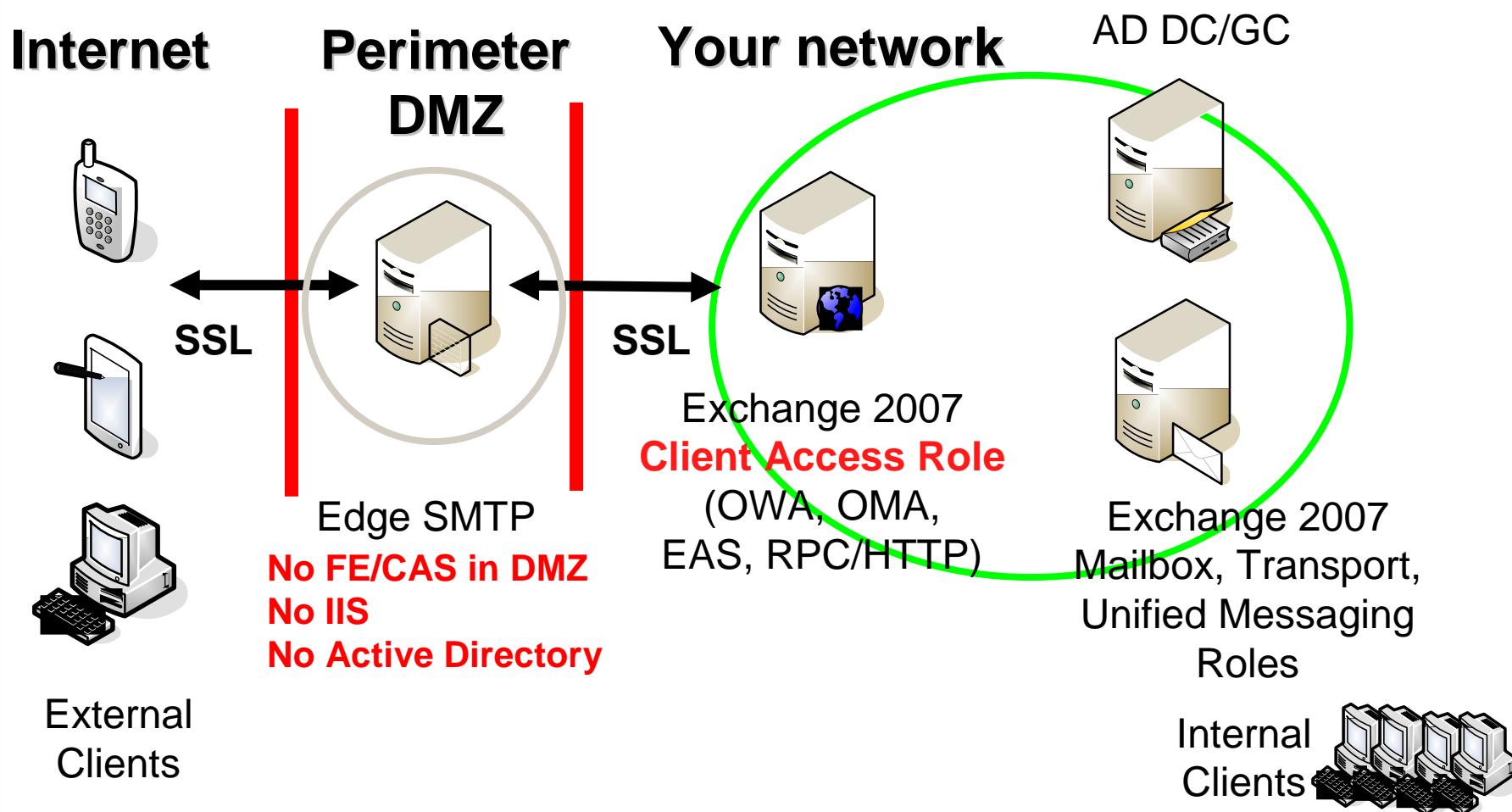
Messaging Protection 2003







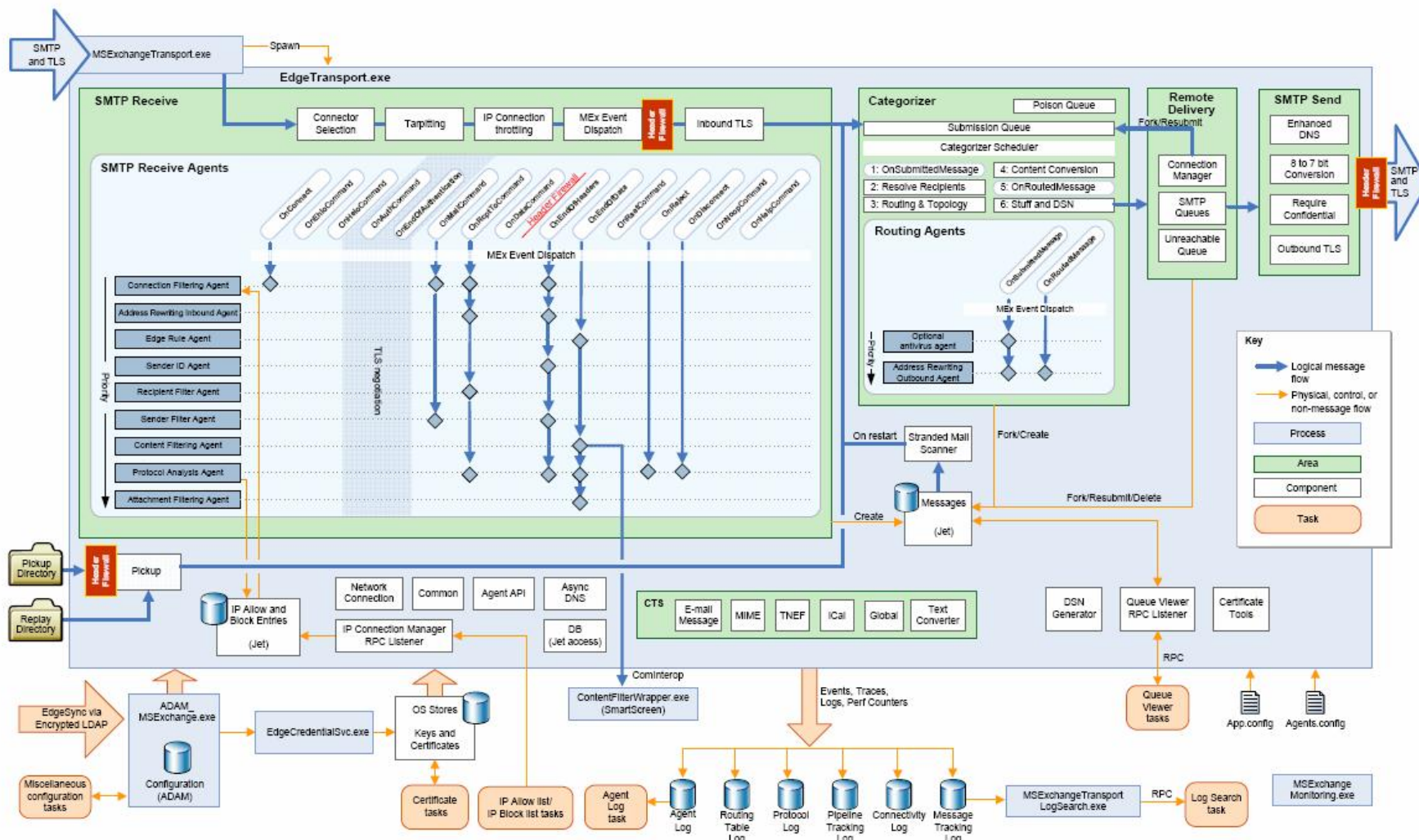
Exchange 2007 and the Perimeter

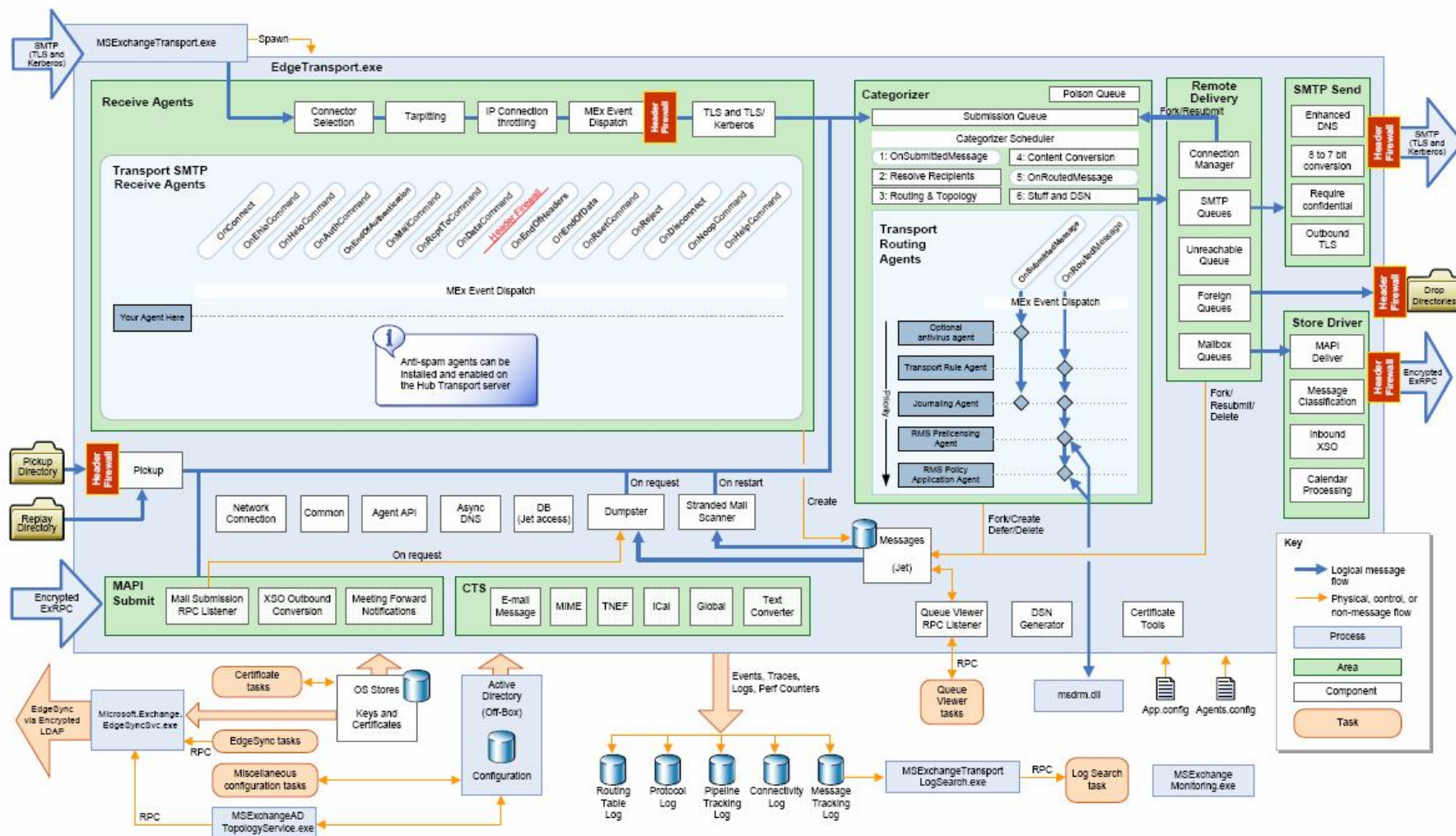


No Client Access Server Role in Perimeter

- Was Exchange 2003 Front-End Server
 - -ActiveSync
-
- Extra Protection for IIS and AD
- Reduce Open Ports on Internal Firewall
- Most IPSEC Tunnels Done Wrong,
or Non-Existent
- HTTPS Through The Firewalls...

- - No connection to Active Directory required
 - EdgeSync pushes AD data out to Edge servers
- Supports Internet MTA features
 - Address Rewrite, Smarthost
 - Automatic TLS, Internal and External
- Resilient to Internet floods and attacks
 - Exchange anti-spam, Built in resilience
 - Managed code, No IIS
- ISV Solutions on Edge
- Edge is Optional





Microsoft Exchange Server 2007 Hub Transport Server Role Architecture

Sender Reputation Services

- IP Reputation Service and Protocol Analysis
 - Sender Reputation built from Hotmail data
 - Distributed via Microsoft update packages
 - ?á Also learns from connections and messages that are seen on the local server
 - ?á Builds server local reputation and blocks targeted spam attacks
 - Based on average spam rating
 - Open proxy checks
 - Protocol anomalies

Threshold Action

When the sender reputation level block threshold is exceeded, add the sender to the IP Block list for the following duration (hours):

24

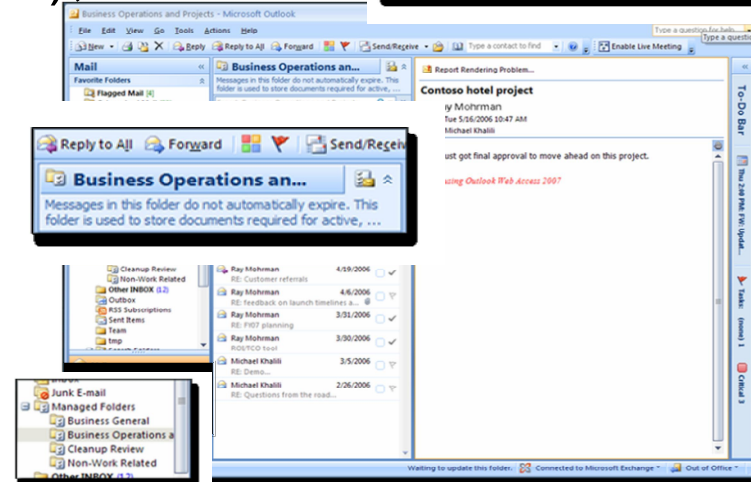
General | Sender Confidence | Action

☒ Perform an open proxy test when determining sender confidence level

An open proxy test tries to connect to the senders originating IP address with an SMTP request. If the Microsoft Exchange Edge Transport server receives an SMTP request through known open proxy ports and protocols, the sender is considered an open proxy and a potential threat, and the senders sender reputation level is adjusted accordingly.

Transport Rules and Compliance Folders

- Transport rules
 - Inspect and take action..., modify (e.g. add disclaimer), encrypt, route
- Flexible email retention
- Multi-mailbox search for discovery
- Retention rules
- Granular journaling
- Third party opportunity



Are You Sure You Want To Send That Email ??

Data Protection (LCR/CCR/SCR)

§ Backup for Availability

- § Copies of Exchange Databases (CDF)
- § Transaction Log Shipping

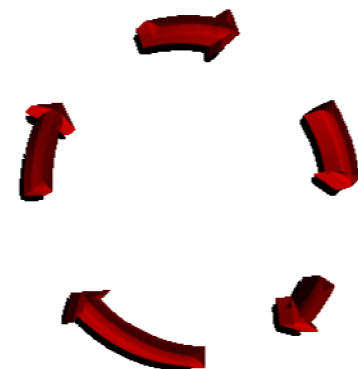
§ LCR - Local Continuous Replication

- § Same server, different disk/array

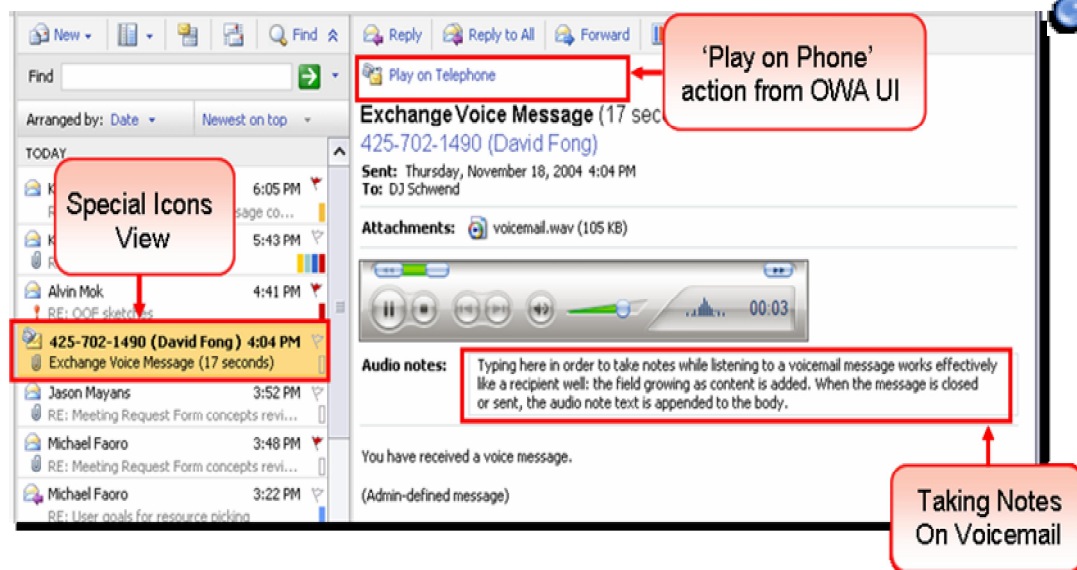
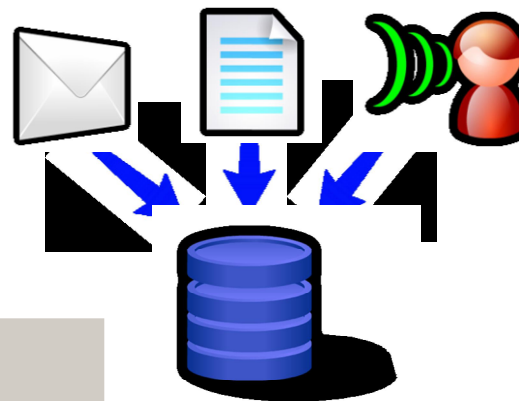
§ CCR- Cluster Continuous Replication

- § Storage- Shared Cluster Storage SCC
–or- Not Shared Cluster MCC or MNS
- § Stretch Cluster MCC/MNS, Longhorn Server*

§ In SP1... SCR – Standby Continuous Replication



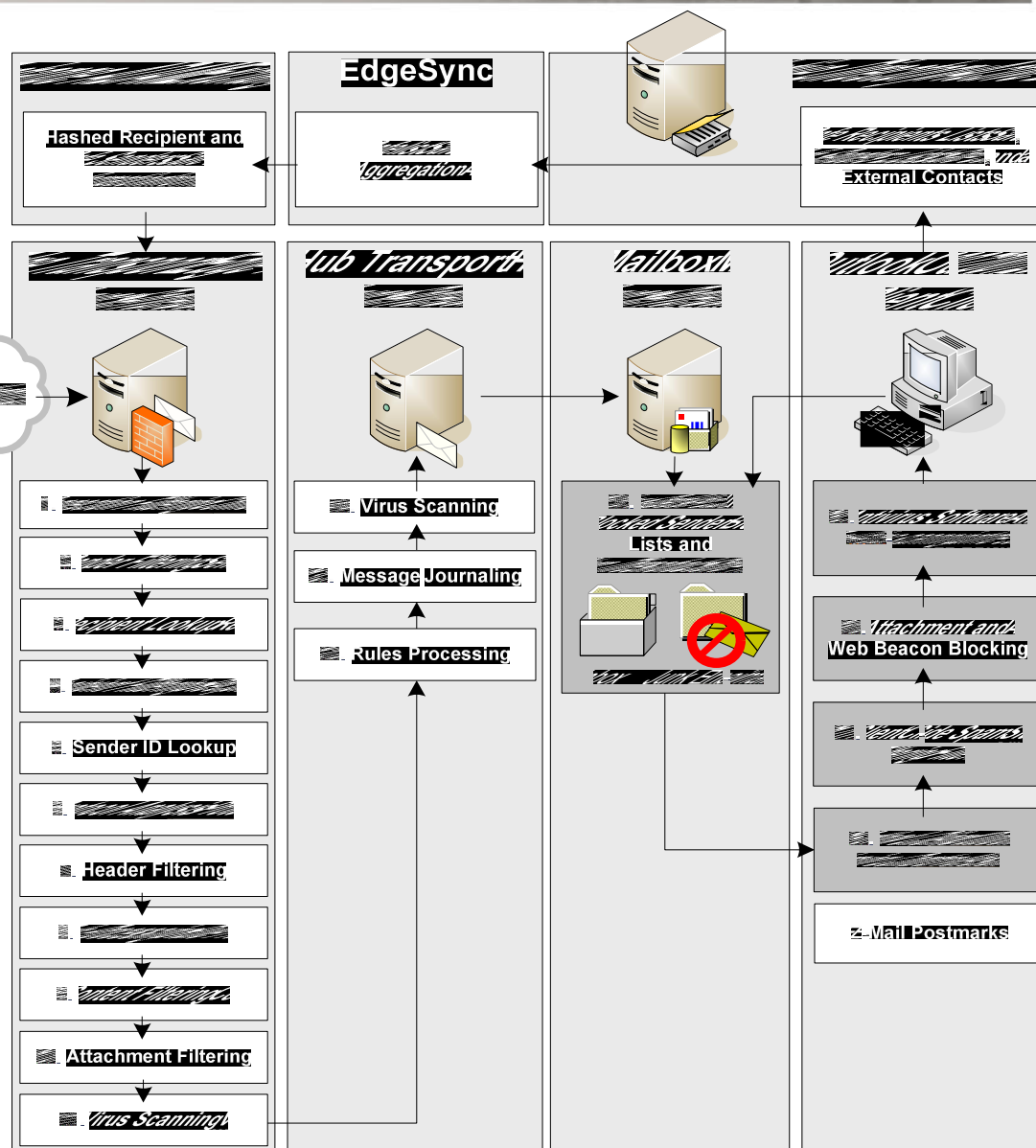
Anywhere Access Universal Inbox



Unified messaging

- Email, voicemail and fax to inbox
- Voice access from regular phone
- Speech-enabled auto attendant
- VoIP to SIP PBX

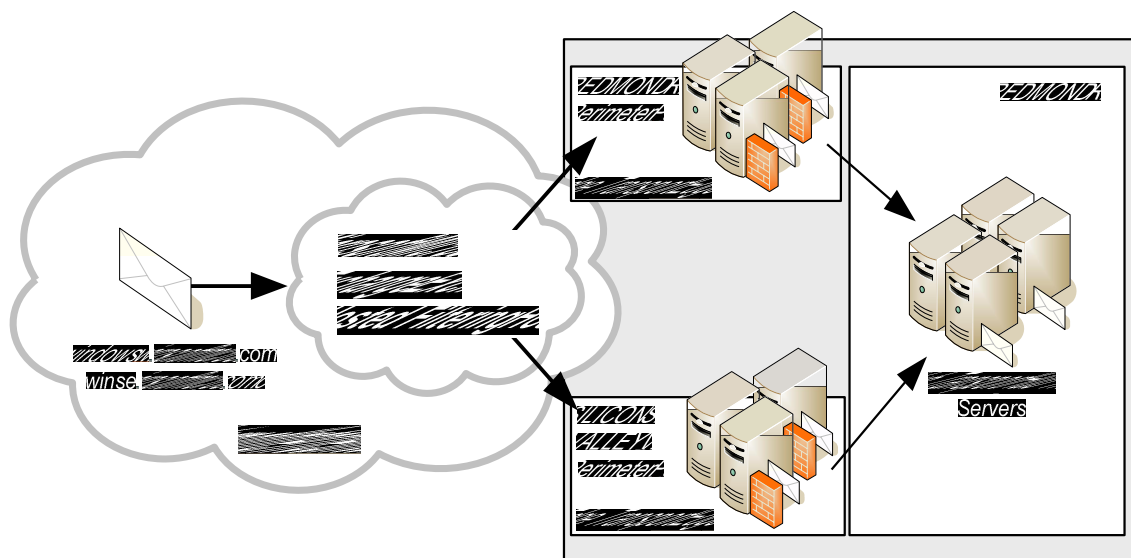
Server 2007 Messaging Protection



? Managed service with anti-spam, antivirus, policy filtering and disaster recovery

? Microsoft IT uses for some subdomains

? Can also be used for outbound email



Sybari

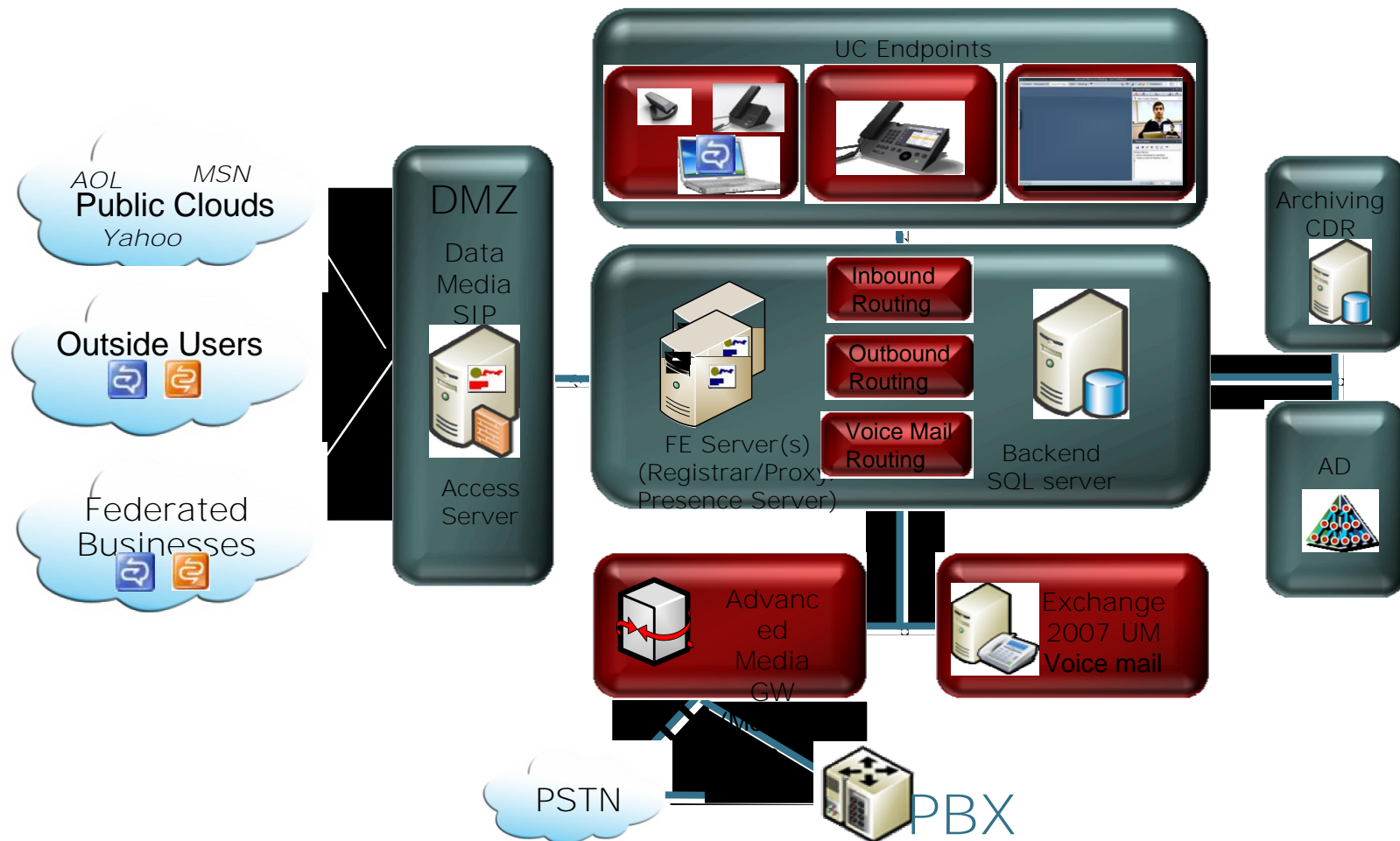
- Multiple Scan Engines
 - Microsoft, Norman, CA, AhnLab, Authentium, VirusBuster, Kaspersky, Sophos
- Single Management Platform
 - Updates, Reporting, System Center (MOM) Management Pack, etc.
- ForeFront

Exchange 2007 SP1

- Added security and email protection
 - Military and government security needs
 -
- Introduces new functionality and new scenarios
 - Standby Continuous Replication (SCR)
- Extends functionality and increases accessibility
 - Public folder administration and PF OWA access
- More...
 - S/MIME back in OWA

Not Just Exchange...





Questions?

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Exchange User Group

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