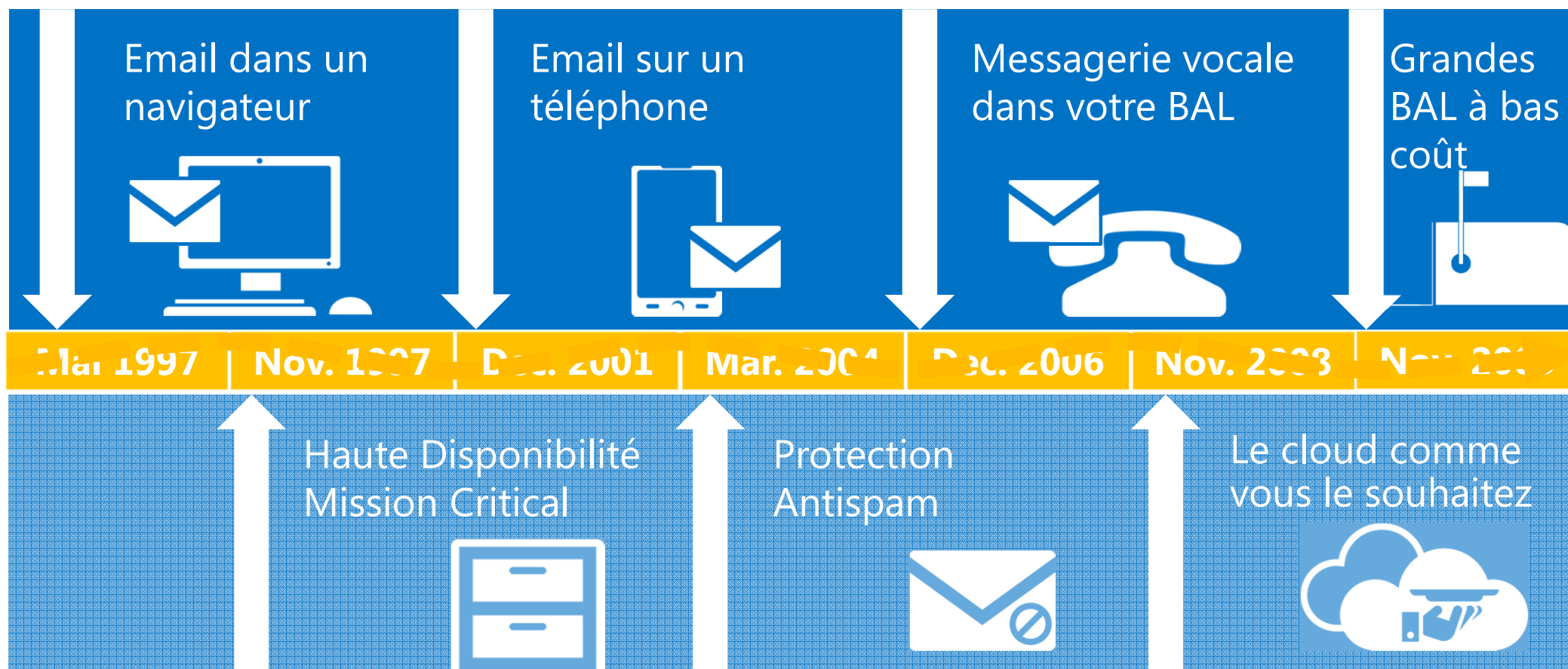


# Quoi de neuf dans Exchange 2013

Jerome Loridan *Product Marketing Manager*  
Raquel Municio Pérez *Ingénieur avant-vente*

Microsoft®  
Exchange

# Toujours innovant



# Les grandes tendances IT

Microsoft  
tech·days  
2013



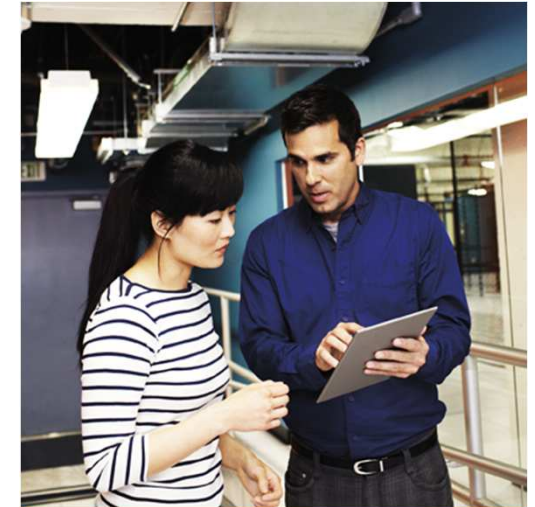
Appareils



Cloud



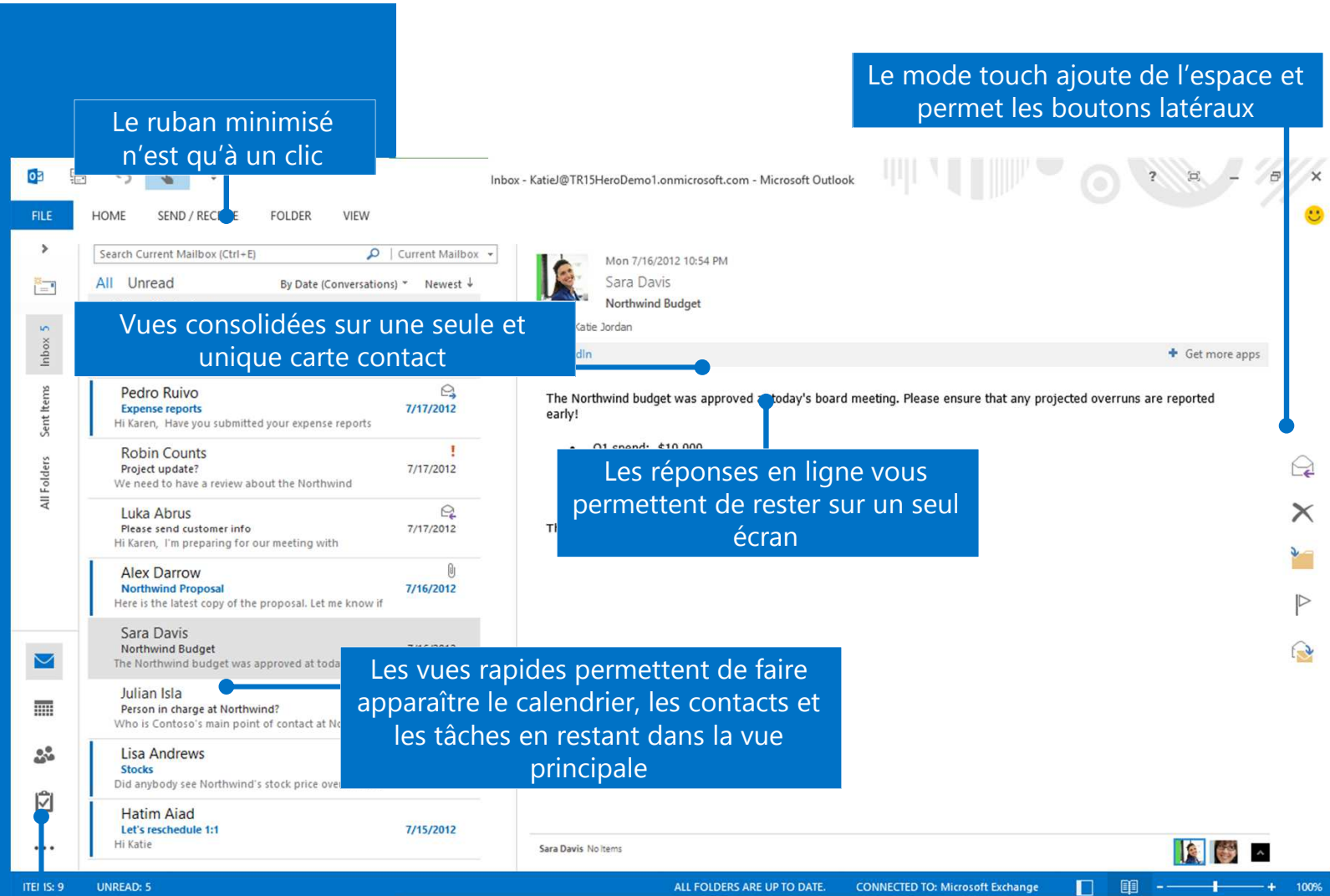
Social



Contrôle



# Un nouveau Look

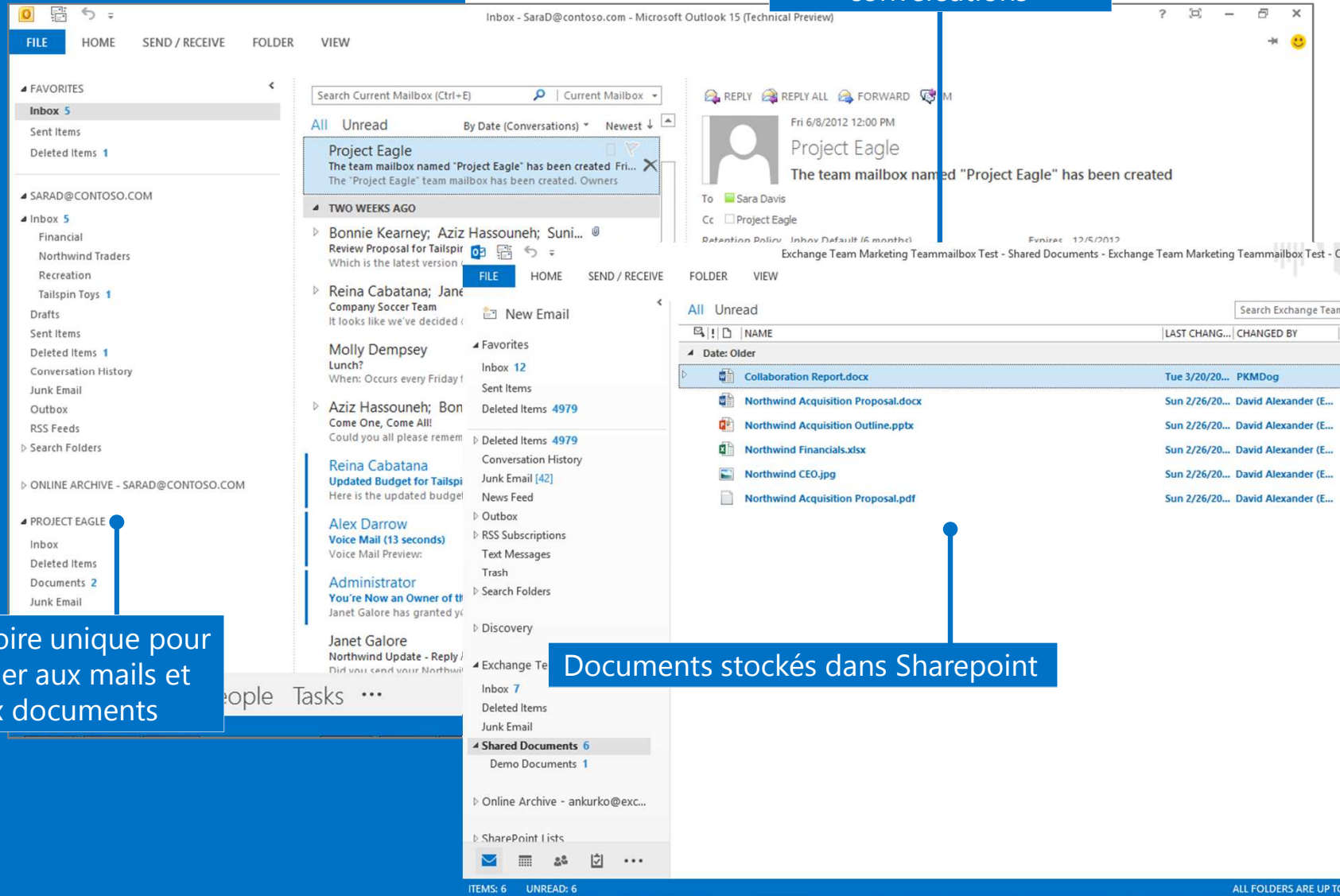


Barre de navigation améliorée et adaptée pour un usage Touch

Copyright© Microsoft Corporation

# Collaborez avec votre équipe

L'alias d'équipe  
enregistre les  
conversations



Répertoire unique pour  
accéder aux mails et  
aux documents

Documents stockés dans Sharepoint

# Personnalisez votre Outlook

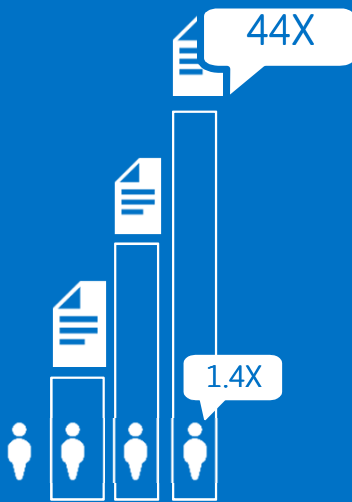
Applications  
pour Office

The screenshot shows the Microsoft Office website's 'Apps for Outlook 2013' section. At the top, there is a navigation bar with 'HOME', 'PRODUCTS', 'SUPPORT', 'IMAGES', 'TEMPLATES', and 'STORE (BETA)'. A search bar is labeled 'Search for apps'. Below the navigation, there are links for 'All products', 'Excel', 'Word', 'Outlook', and 'SharePoint'. A central banner features a woman using a laptop with the Office logo on the screen, accompanied by the text 'Want apps for Office? Try Office Preview'. To the right of the banner are two promotional boxes: a green one for 'Explore the new world of apps for Outlook' and a blue one for 'LinkedIn App for Outlook'. Below these is a 'Featured Apps' section displaying five app cards: LinkedIn for Outlook (2 stars), Hertz Car Rental (Beta) (0 stars), Groupon by PowerInbox (0 stars), Twitter by PowerInbox (0 stars), and LiquidSpace Workspace Booking (0 stars). Each card includes the app name, developer, and a 'FREE | Add' button.

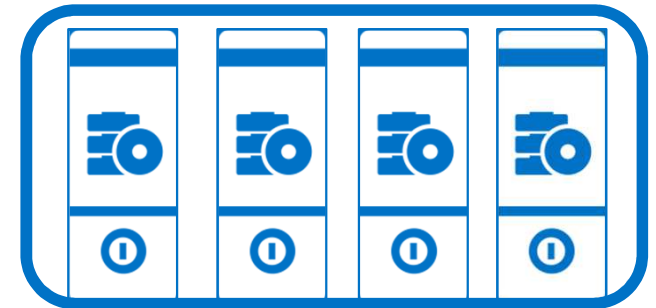
# Architecture

## Haute disponibilité

## Stockage

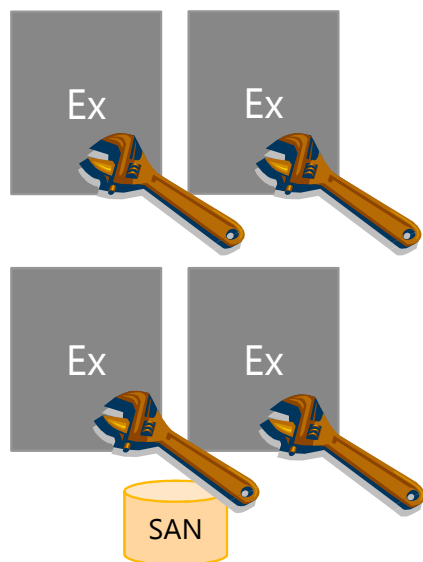


CAS Array



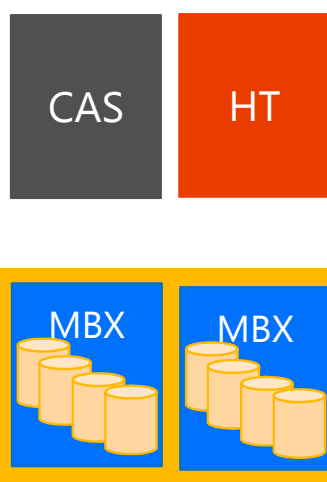
Database Availability Group

# Exchange: L'évolution



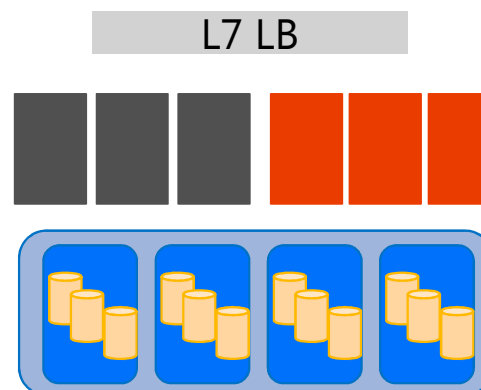
Configuration manuelle  
des rôles  
Dépendance du Hardware  
pour la haute disponibilité

2000/2003



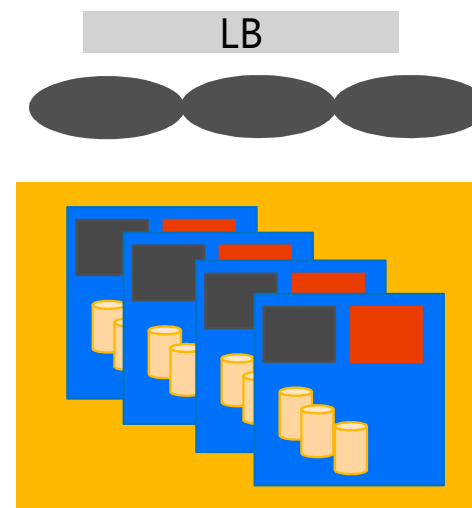
Supporte stockage moins  
cher  
Réplication continue  
Rôles séparés

2007



Introduction du DAG  
RBAC  
Mutualisation des rôles  
HLB layer 7

2010



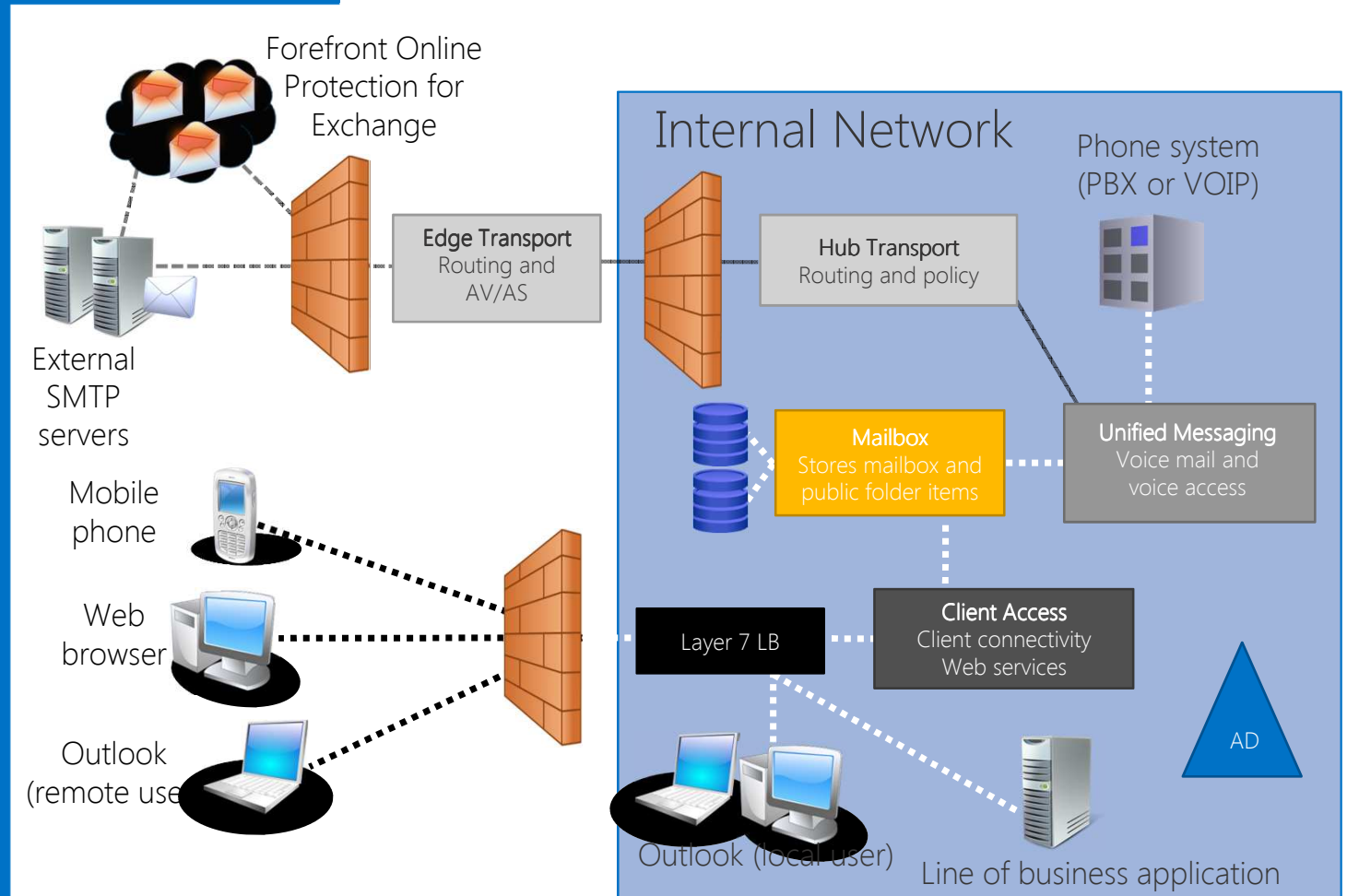
Simplification de  
l'architecture.

2013  
Microsoft®  
Exchange

# E2007/E2010 Architecture

5 rôles

Fortement couplés

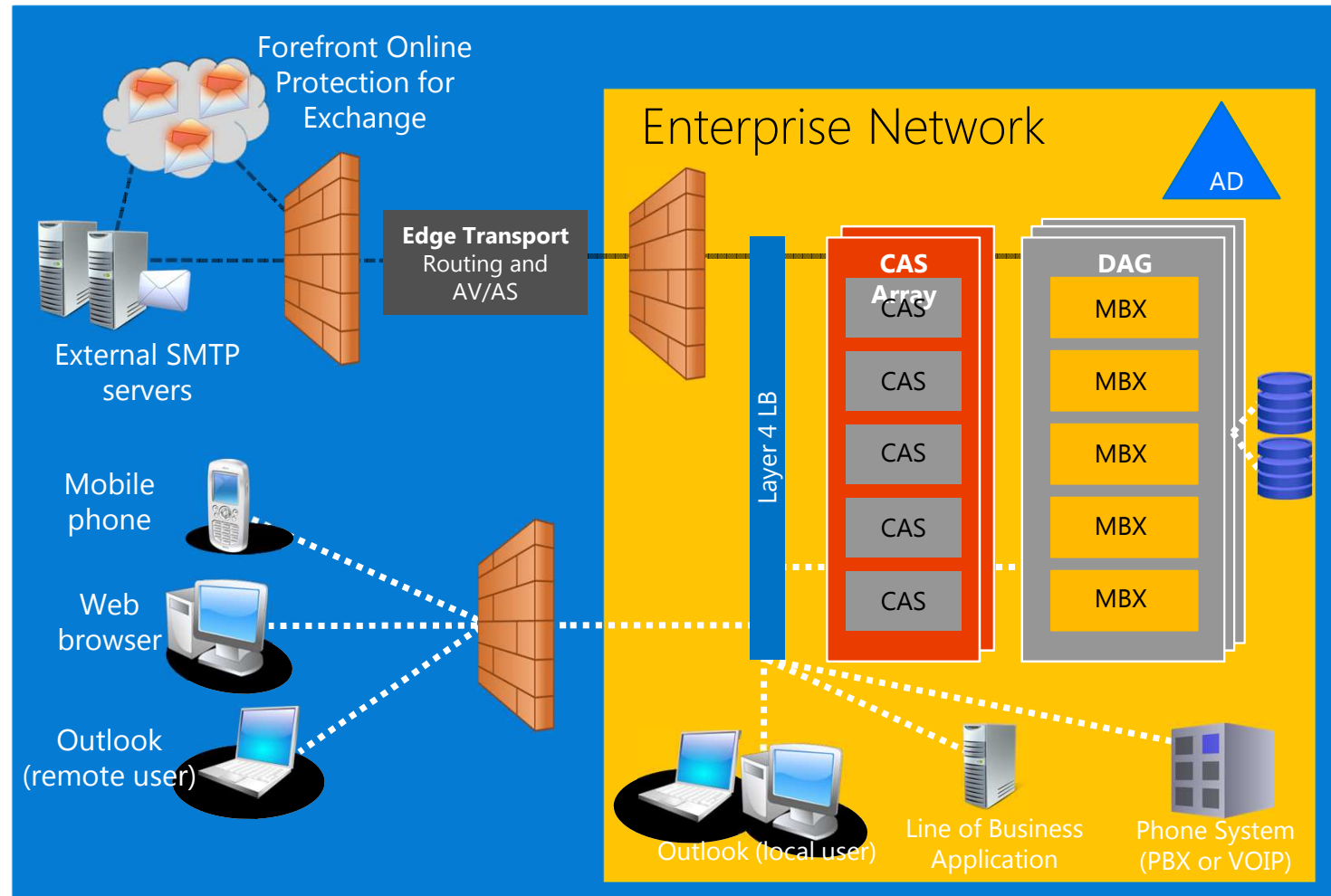


# Exchange 2013: Architecture

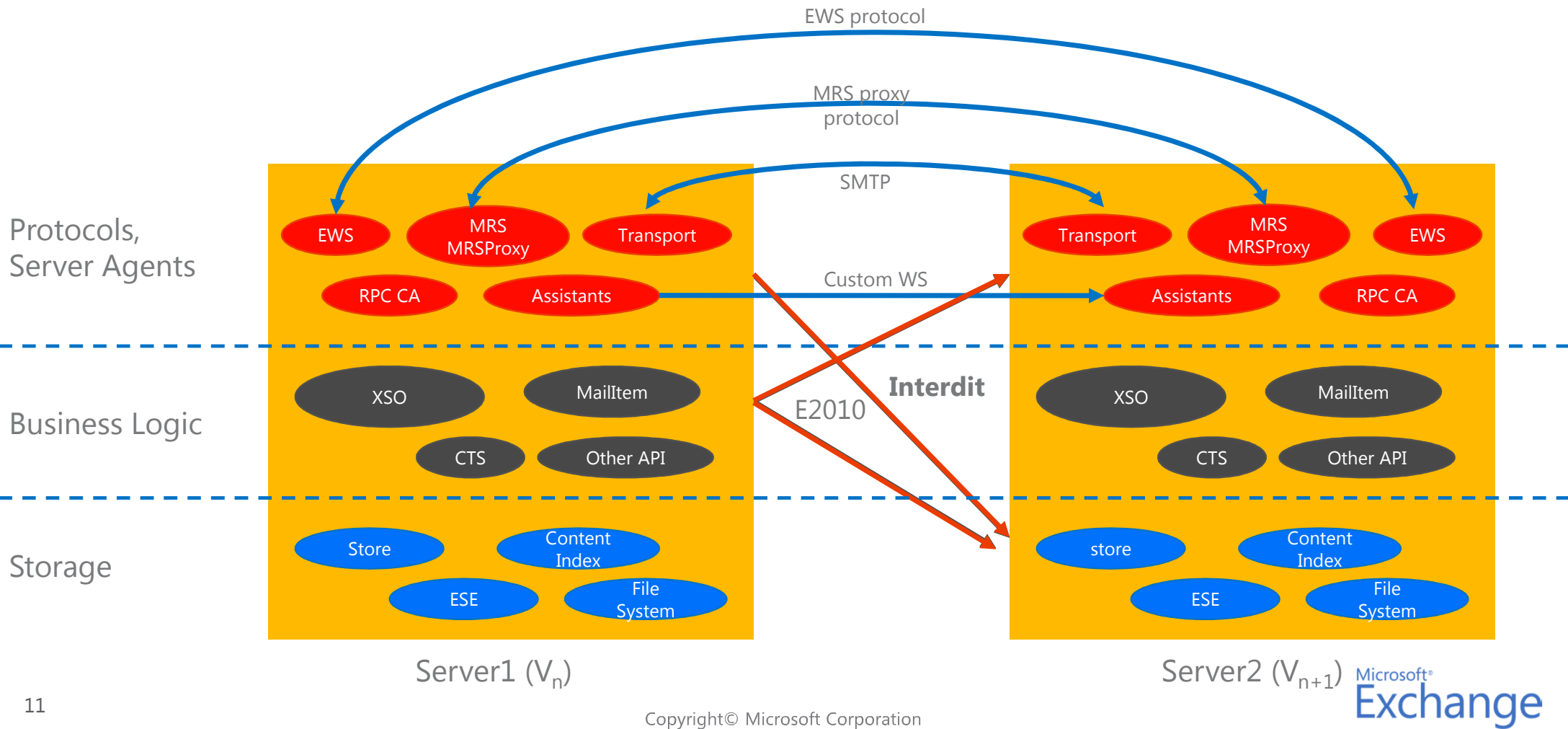
2 rôles principaux:

1. CAS
2. Mailbox

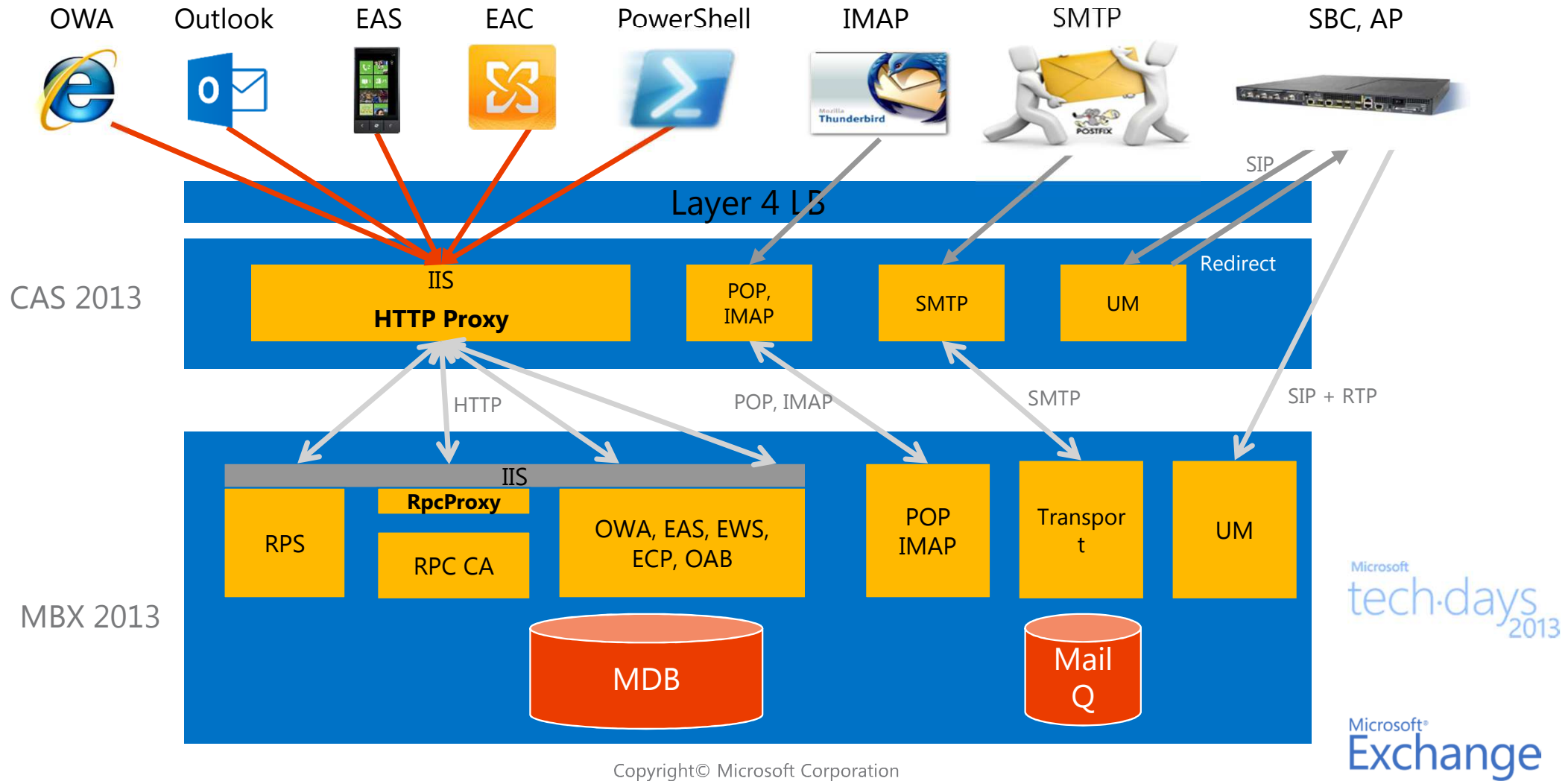
Faiblement  
couplés



# Chaque serveur est une île

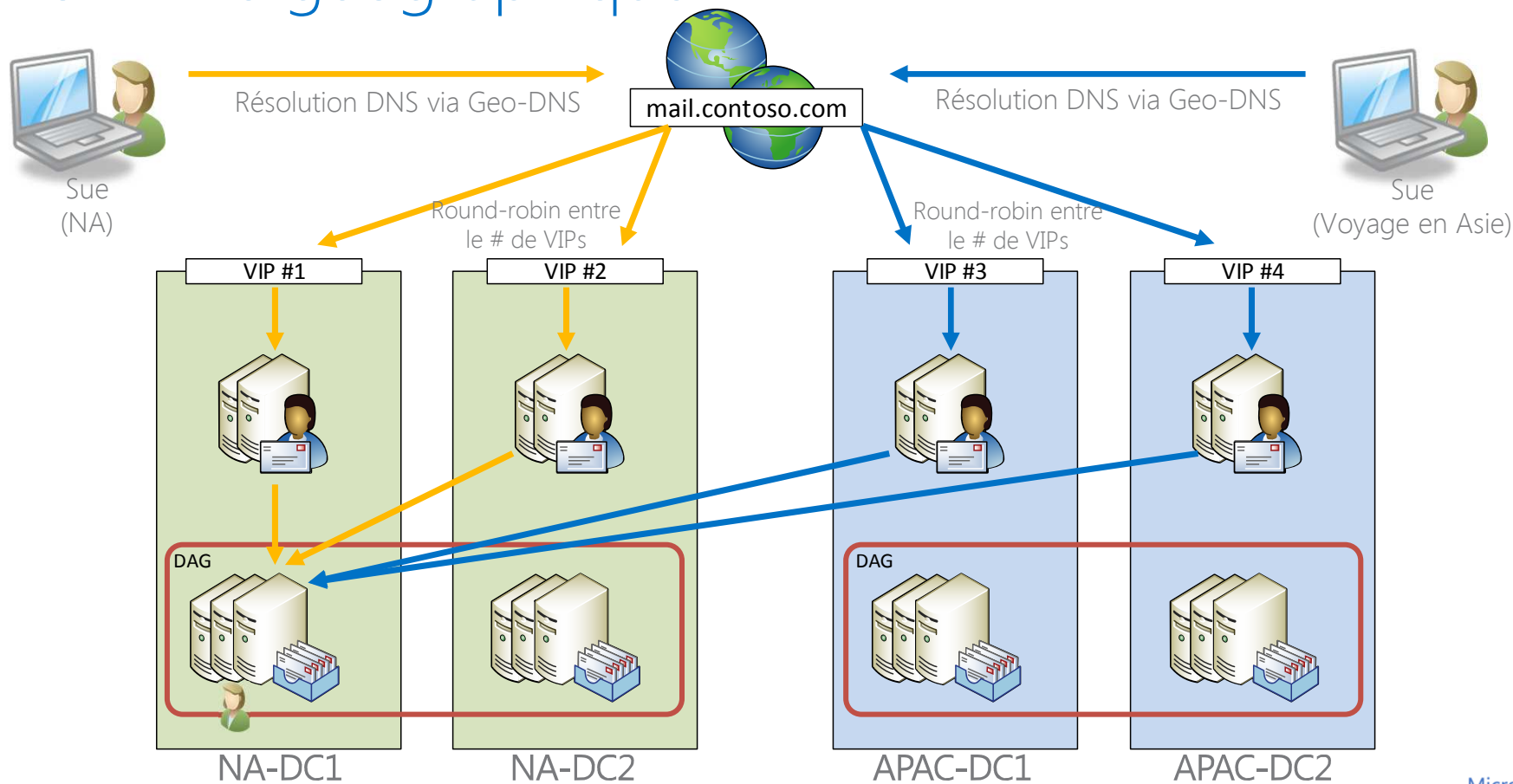


# CAS 2013 Client Protocol Architecture

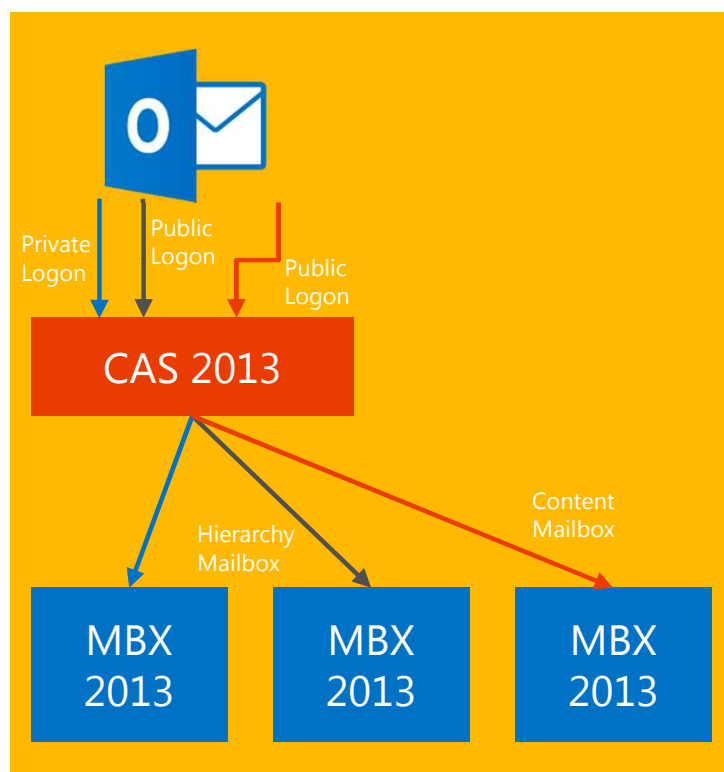


# Namespace unique

## Solution DNS géographique



# Dossiers publiques: "Modern public folders"



## Architecture

Basé sur la même architecture que les Mailbox

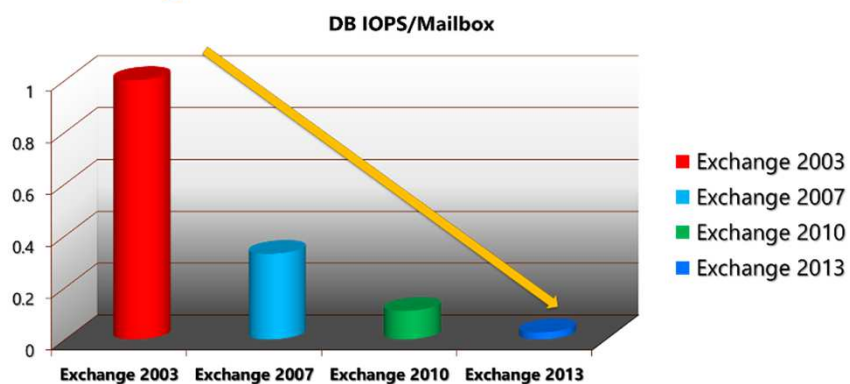
Le contenu est réparti dans différentes boites aux lettres.  
Même mécanisme de haute disponibilité des Mailbox

- Il n'y a pas de mécanisme de réplication séparé.
- Modèle Single-master

# Réduction des coûts de stockage



## Exchange IOPS Trend



## Stockage Exchange 2013:

- 99% de réduction des IOPS par rapport à Exchange Server 2003

# Grandes boites aux lettres!

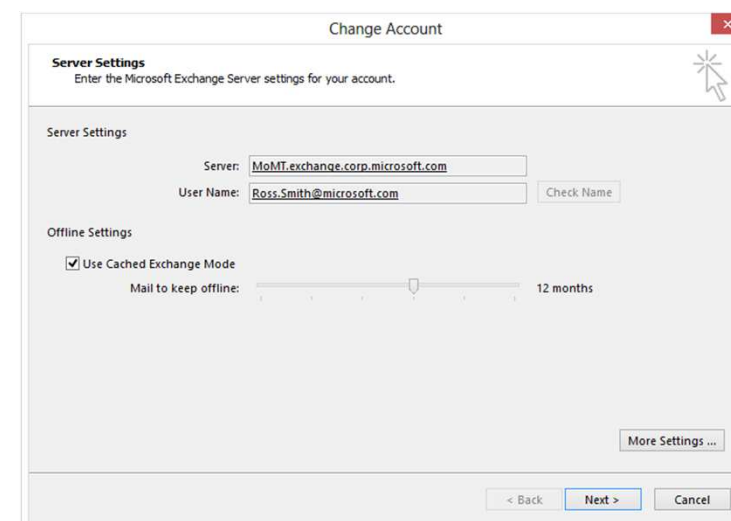
Taille boîte aux lettres: 100 GB+

Objectif:

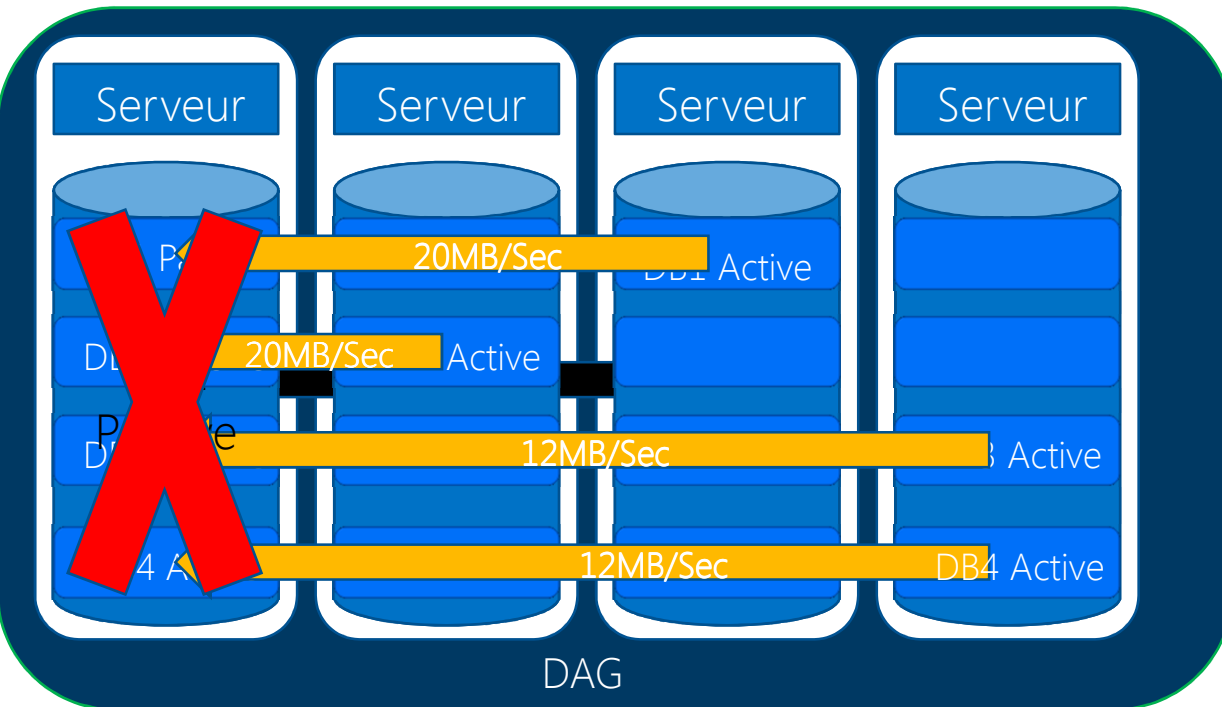
- Eliminer ou réduire les PST
- Eliminer ou réduire les solutions d'archivage tiers.

Time	Items	Mailbox size
1 day	150	11 MB
1 month	3300	242 MB
1 year	39000	2.8 GB
2 years	78000	5.6 GB
4 years	156000	11.2 GB

Outlook 2013 permet de modifier la taille du OST!



# Plusieurs bases de données par disque



1 base de données unique par disque:

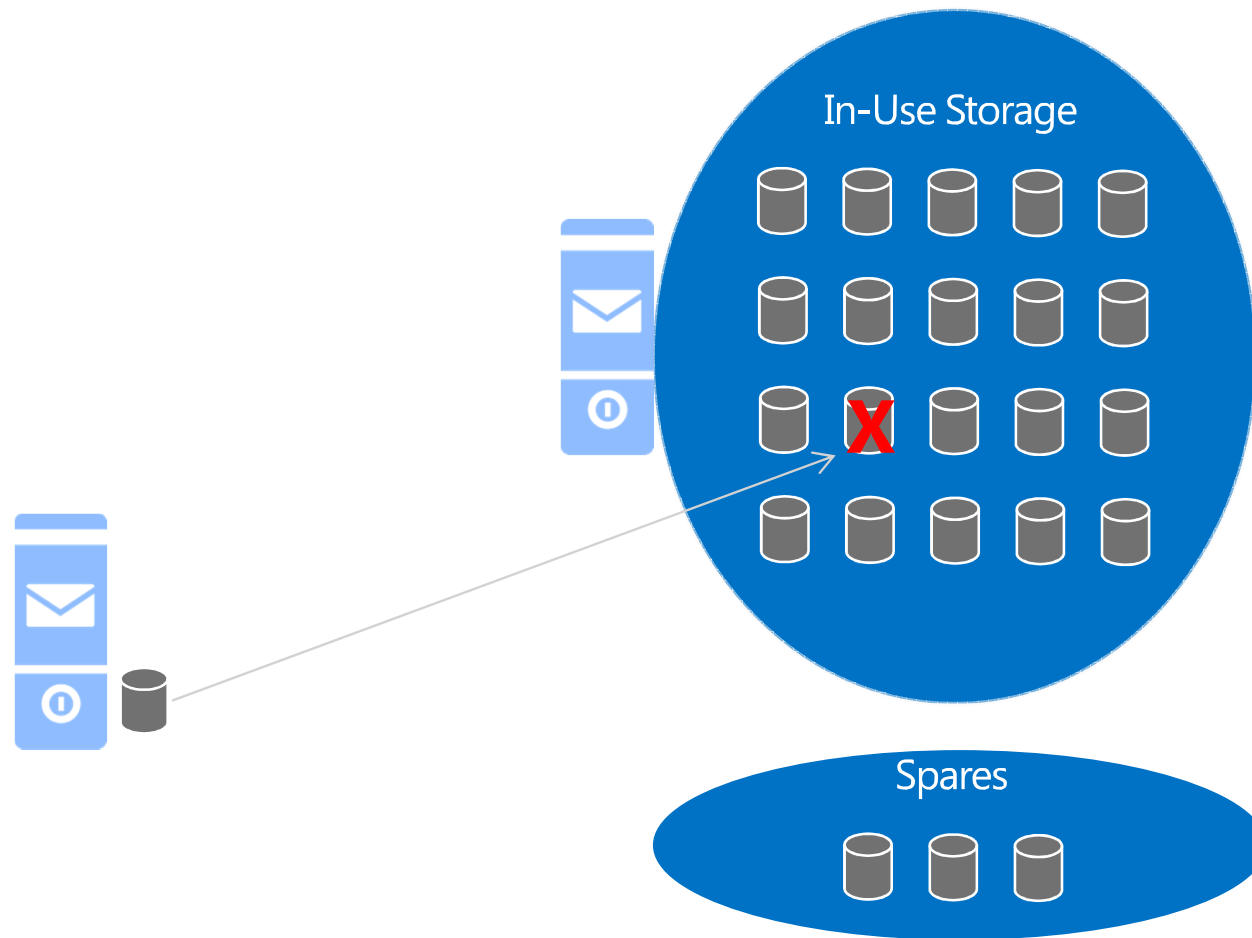
- Reseed 2TB Disque = ~23 hrs
- Reseed 8TB Disque = ~93 hrs

4 bases de données par disque:

- Reseed 2TB Disque = ~9.7 hrs
- Reseed 8TB Disque = ~39 hrs

# Autoreseed

Reseed automatique (Autoreseed) – utilise des disques « spares » pour restaurer les bases de données après défaillance d'un disque.



# Exchange Manageability

Microsoft  
tech·days  
2013



**Admin**



**Monitors**

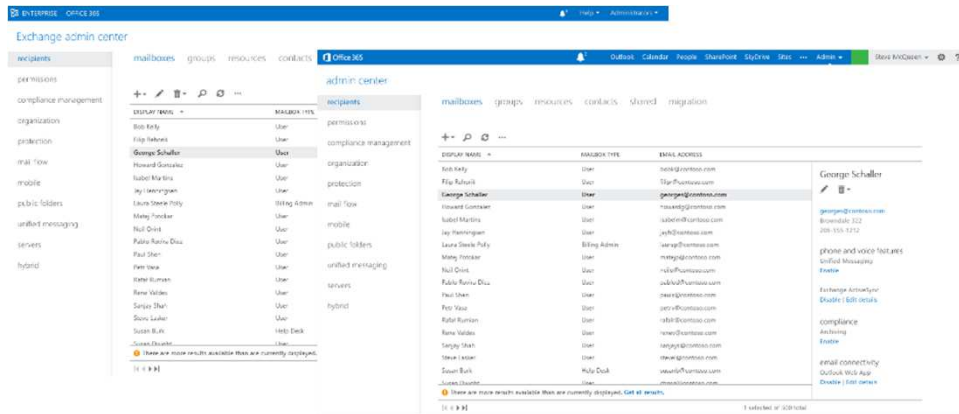


**Access**

Copyright© Microsoft Corporation

Microsoft®  
**Exchange**

# Outils de gestion



```
[PS] C:\>Get-ManagementRoleAssignment -role "Mailbox Search" -GetEffectiveUsers -delegating $False |
FL Name, RoleAssigneeName, EffectiveUserName, AssignmentChain

Name           : Mailbox Search-Discovery Management
RoleAssigneeName : Discovery Management
EffectiveUserName : All Group Members
AssignmentChain :

Name           : Mailbox Search-Discovery Management
RoleAssigneeName : Discovery Management
EffectiveUserName : Arlene Huff
AssignmentChain : <Discovery Management>

Name           : Mailbox Search-Discovery Management
RoleAssigneeName : Discovery Management
EffectiveUserName : Todd Meadows
AssignmentChain : <Discovery Management\Legal>
```

Exchange Administration Center

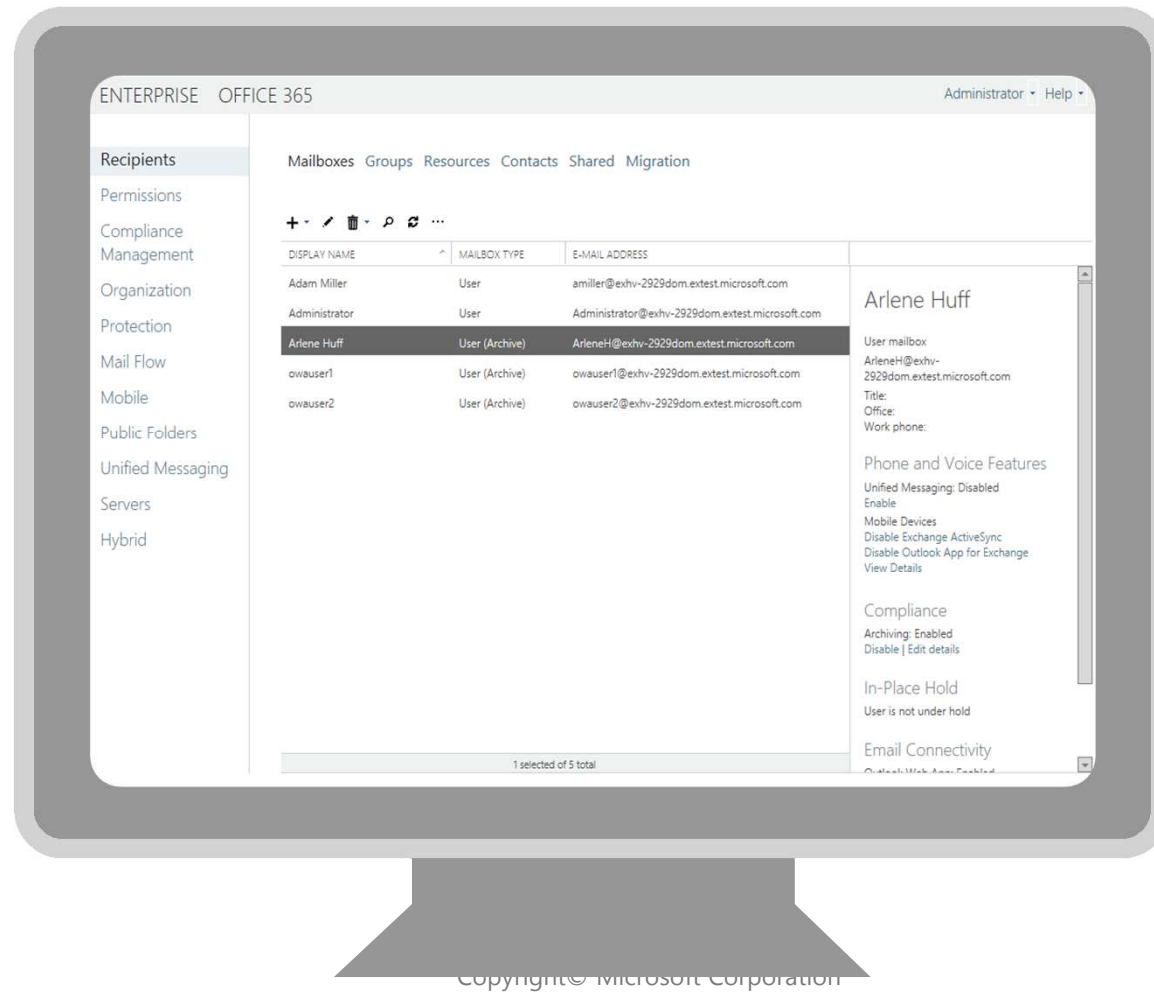
Exchange Management Shell

Role-Based Access Control

Windows PowerShell

# Console d'administration riche

Microsoft  
tech·days  
2013



Copyright © Microsoft Corporation

Microsoft®  
Exchange

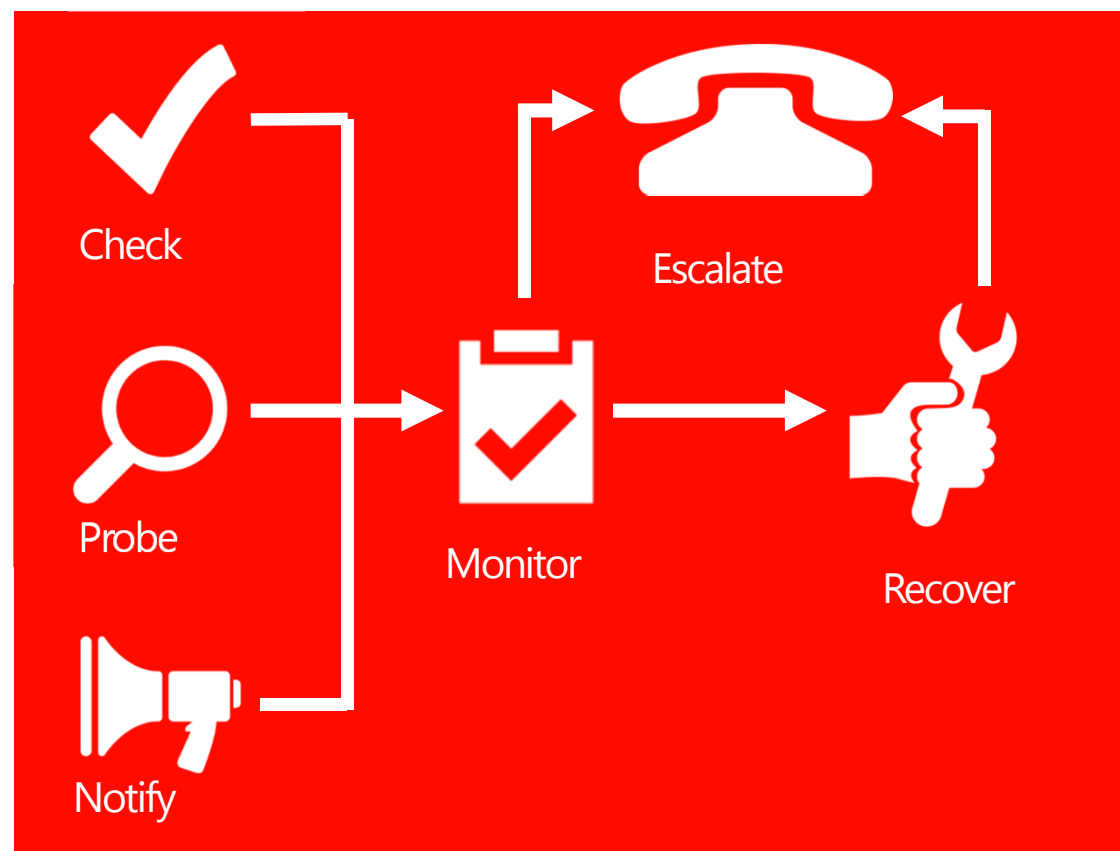
# Auto – monitoring

## Exchange health manager

Surveille l'état de santé d'Exchange

Mesure le trafic et le taux de défaillance.

Restaure les services, prévient les défaillances ou envoie une alerte.

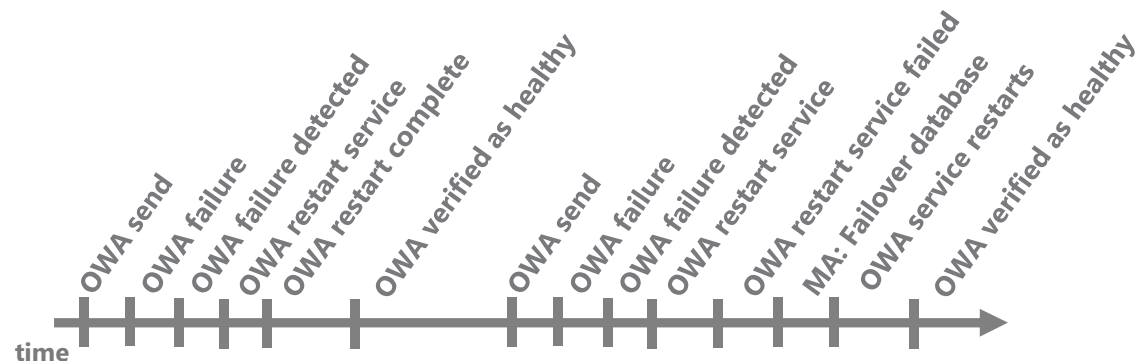


# Disponibilité: Service rendu à l'utilisateur

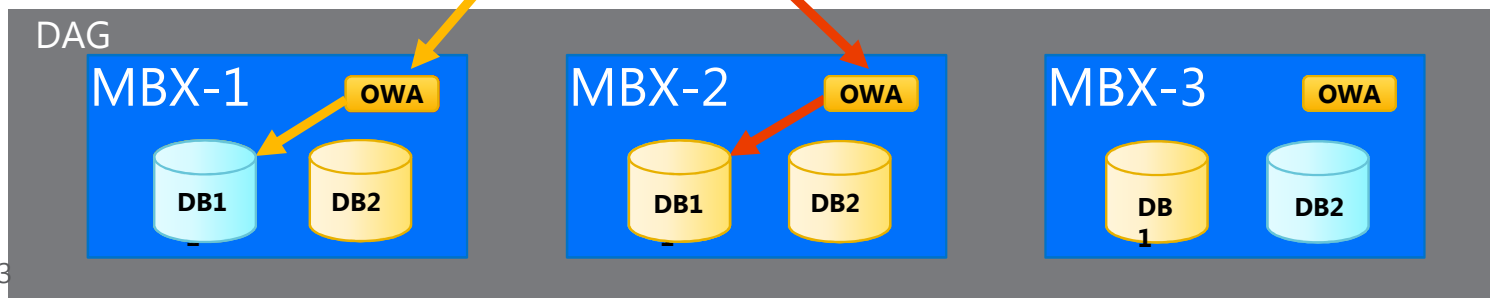


Layer 4 LB

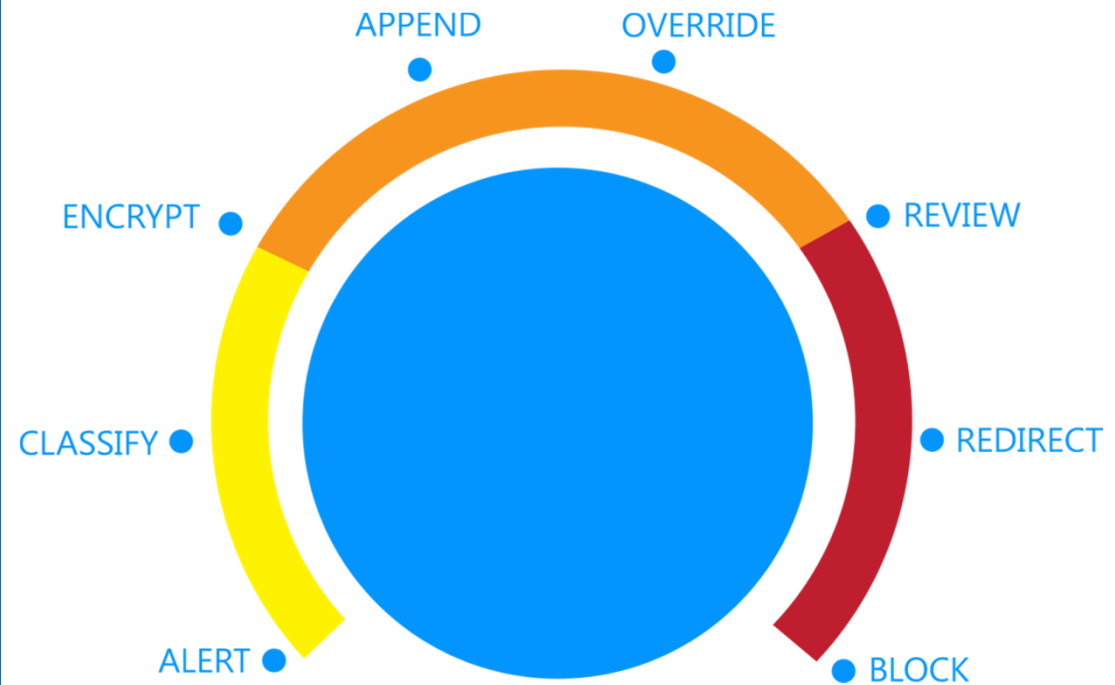
CAS-1 CAS-2



Managed availability + retries ...  
*"Stuff breaks and the experience does not"*



# Protégez vos communications



# Rétention transparente et granulaire

The screenshot displays the Microsoft Exchange interface. On the left, a list of emails is shown, including one from Sara Davis titled 'Project Budget' dated 3/1/2012. A context menu is open over this email, with the 'Assign Policy' option selected. This opens a sub-menu titled 'RETENTION POLICY' with the following options:

- Acquisitions (5 years)
- Financial reports (5 years)
- Sales reports (1 year)
- Supplier purchases (3 years)
- Use Folder Policy
- More Retention Policies...
- Set Folder Policy...
- View Items Expiring Soon

The main email content shows a header for Sara Davis, 'Project Budget', sent on Thu 3/1/2012 3:26 PM to Kirk Gregersen. It includes a 'Retention Policy' section: 'Financial reports (5 years)' and a 'Follow up' section: 'Start by Monday, May 07, 2012. Due by Monday, May 07, 2012.' The body of the email reads: 'Hi Kirk, The project budget has been approved for the following:' followed by a bulleted list of quarterly spend amounts.

- Q1 spend: \$10,000
- Q2 spend: \$23,000
- Q3 spend: \$14,500
- Q4 spend: \$17,750

The email concludes with 'I'll let you know if you have questions.' and 'Sara'.

# Compliance

The screenshot shows the Microsoft Exchange interface with a PolicyTip alert. The alert text reads: "Policy Tip: This message may contain sensitive information. This message may contain sensitive information. • Credit Card Number. You can report that this message contains sensitive information. Learn more about your organization's policy on sensitive information. I have received up to 100 sensitive information types." Below the alert, a list of sensitive information types is displayed, including ABA Routing Number, Canada Driver's License Number, Canada Social Insurance Number, Credit Card Number, EU Debit Card Number, France Driver's License Number, France National Identification Number (IN...), German Driver's License Number, German Passport Number, IBAN for France, Japan Bank Account Number, and Japan Driver's License Number. The list has columns for name, type, and publisher.

name	type	publisher
ABA Routing Number	Entity	Microsoft Corporation
Canada Driver's License Number	Entity	Microsoft Corporation
Canada Social Insurance Number	Entity	Microsoft Corporation
Credit Card Number	Entity	Microsoft Corporation
EU Debit Card Number	Entity	Microsoft Corporation
France Driver's License Number	Entity	Microsoft Corporation
France National Identification Number (IN...	Entity	Microsoft Corporation
German Driver's License Number	Entity	Microsoft Corporation
German Passport Number	Entity	Microsoft Corporation
IBAN for France	Entity	Microsoft Corporation
Japan Bank Account Number	Entity	Microsoft Corporation
Japan Driver's License Number	Entity	Microsoft Corporation

Un alerte sous forme de PolicyTip notifie l'utilisateur du non-respect d'une politique pendant la création d'un email.

# eDiscovery unifié

SharePoint SharePoint SkyDrive Sites Armando Pinto

Home  
Financial Audit

Name \*  
Financial Audit

Query  
(investor NEAR(30) relations OR financial\*)

Start Date: End Date:

Author/Sender:  
Enter names or email addresses...

Advanced Query Options

Search syntax and tips

Sources (Modify Query Scope)

Name	Items	Size
Sally Beck	3,573	1,016.18 MB
Team	147	31.55 MB
FY2012 Annual Report VTeam	4	67.50 KB
Geoffrey Storey	84	27.06 MB
Matthew Motley	74	25.97 MB
<b>Total:</b>	<b>5,975</b>	<b>1.22 GB</b>

Query Statistics

+ (investor NEAR(30) relations OR financial*)	5975
+ (investor NEAR(n=30) relations)	7
+ financial*	327
+ investor OR financial*	328
+ relations OR financial*	349

Exchange SharePoint

About 5,813 results

Message Type

Subject

Recipients

Sender

6/4/2012

Permet d'utiliser des requêtes très précises

Statistiques instantanées

Résultats des requêtes effectuées sur Exchange, Lync et SharePoint

# MERCI!

[jelorida@microsoft.com](mailto:jelorida@microsoft.com)

[raquel.municio@microsoft.com](mailto:raquel.municio@microsoft.com)



**Microsoft**