

# MCP Club Tbilisi

欢迎

Velkommen

Welcome

Witajcie

Karşılama

VELKOMMEN

歡迎

Tervetuloa

*Benvenuto*

환영

Lsten hozott

добро пожаловать

Bienvenidos

חיפוש ברשת של

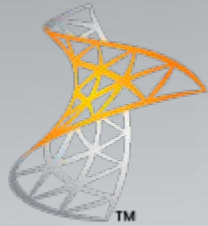
Δείτε επίσης

*Bienvenue* Välkommen

Willkommen

Boa vinda

Van harte welkom



Microsoft®

# Exchange Server 2010

## Service Pack 1 Overview

**Arman Obosyan**

MVP

High Tech Solutions

IT Consultant

arman@postmaster.ge

**<http://postmaster.ge/blog>**

# Agenda

Setup and Upgrade

Outlook Web App

Archive Mailbox

Mobile devices

Exchange Control Panel (ECP)

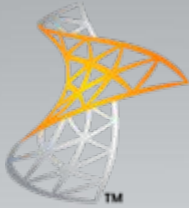
Exchange Management Console (EMC)

High Availability Features

Когда внедрять?

Что не вошло в презентацию

Q/A



Microsoft®

# Exchange Server 2010

## Service Pack 1

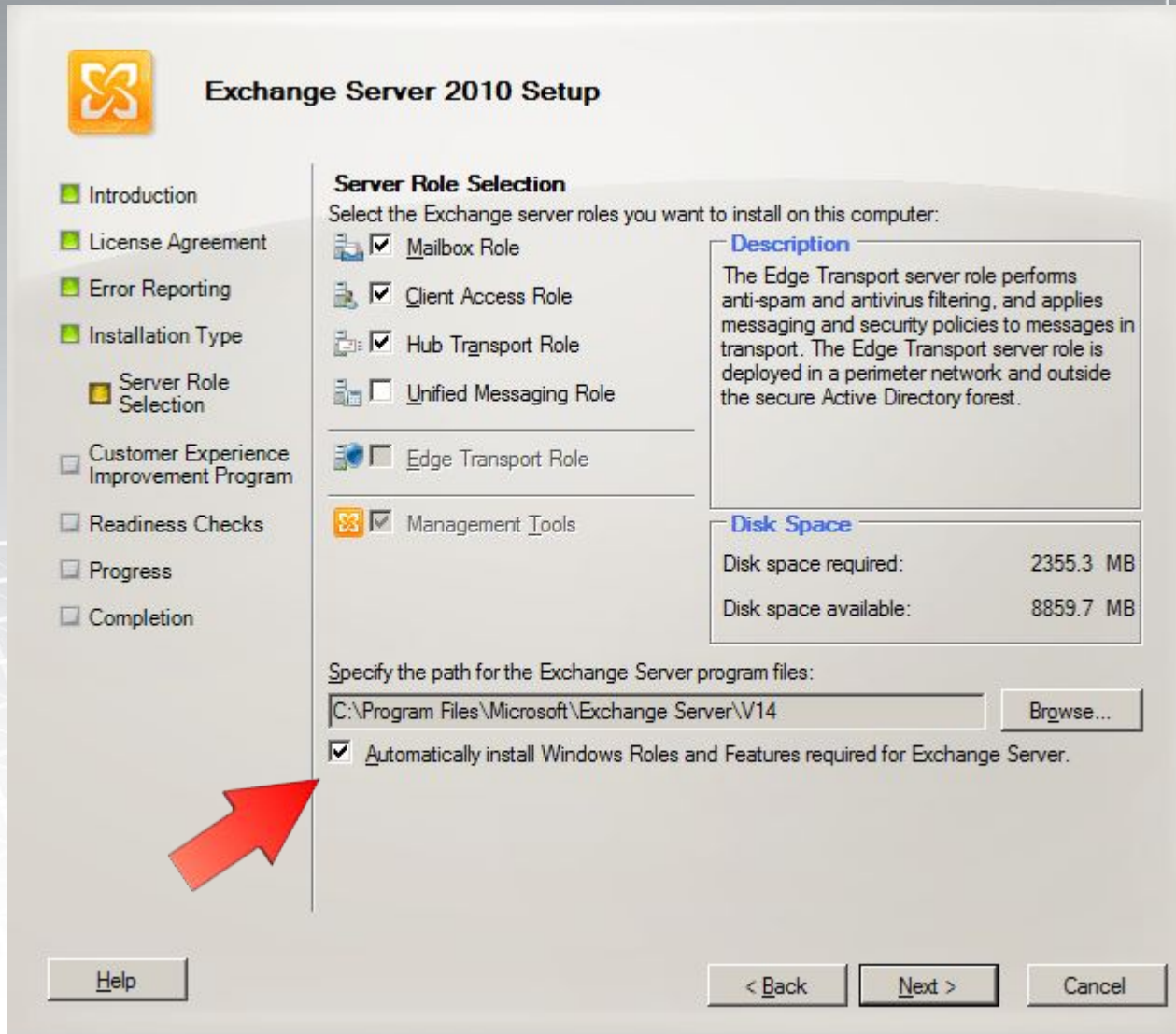
# Setup and Upgrade



Microsoft®

# Exchange

# Setup and Upgrade



The image shows the Exchange Server 2010 Setup Wizard. The left sidebar contains a list of steps: Introduction, License Agreement, Error Reporting, Installation Type, Server Role Selection (highlighted with a red arrow), Customer Experience Improvement Program, Readiness Checks, Progress, and Completion. The main area is titled "Server Role Selection" and contains a list of roles with checkboxes: Mailbox Role, Client Access Role, Hub Transport Role, Unified Messaging Role, Edge Transport Role, and Management Tools. A description box for the Edge Transport Role is visible, along with a "Disk Space" section showing required and available space. At the bottom, there is a text box for the program files path and a checkbox for "Automatically install Windows Roles and Features required for Exchange Server".

**Exchange Server 2010 Setup**

- Introduction
- License Agreement
- Error Reporting
- Installation Type
  - Server Role Selection**
- Customer Experience Improvement Program
- Readiness Checks
- Progress
- Completion

**Server Role Selection**  
Select the Exchange server roles you want to install on this computer:

- Mailbox Role
- Client Access Role
- Hub Transport Role
- Unified Messaging Role
- Edge Transport Role
- Management Tools

**Description**  
The Edge Transport server role performs anti-spam and antivirus filtering, and applies messaging and security policies to messages in transport. The Edge Transport server role is deployed in a perimeter network and outside the secure Active Directory forest.

**Disk Space**

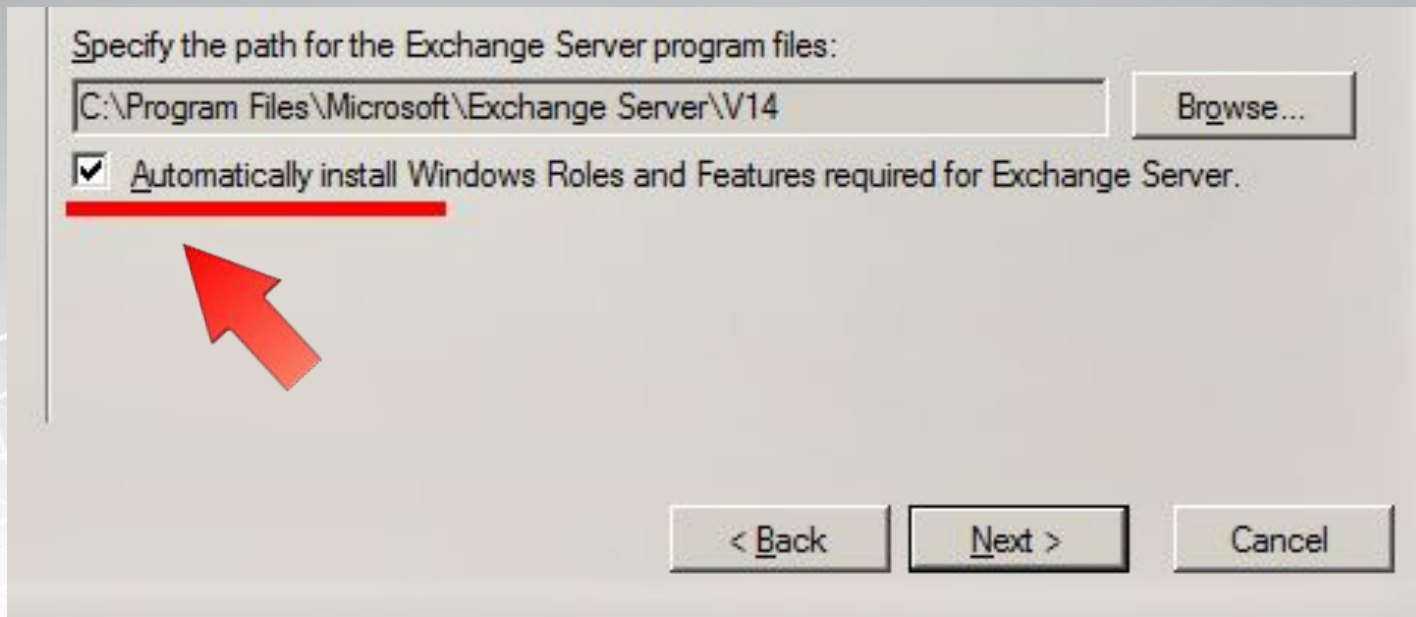
Disk space required:	2355.3 MB
Disk space available:	8859.7 MB

Specify the path for the Exchange Server program files:  
C:\Program Files\Microsoft\Exchange Server\V14

Automatically install Windows Roles and Features required for Exchange Server.

# Setup and Upgrade

В процессе установки нам теперь доступна „галка“ которая за нас **установит все нужные компоненты в зависимости от выбранной роли.**



Устанавливаются компоненты OS за исключением Net Framework, PowerShell, WinRM ну и конечно Microsoft Filter Pack

# Setup and Upgrade

SP1 требует обновления схемы!



Убедитесь что вы обладаете соответствующими правами перед запуском установки!

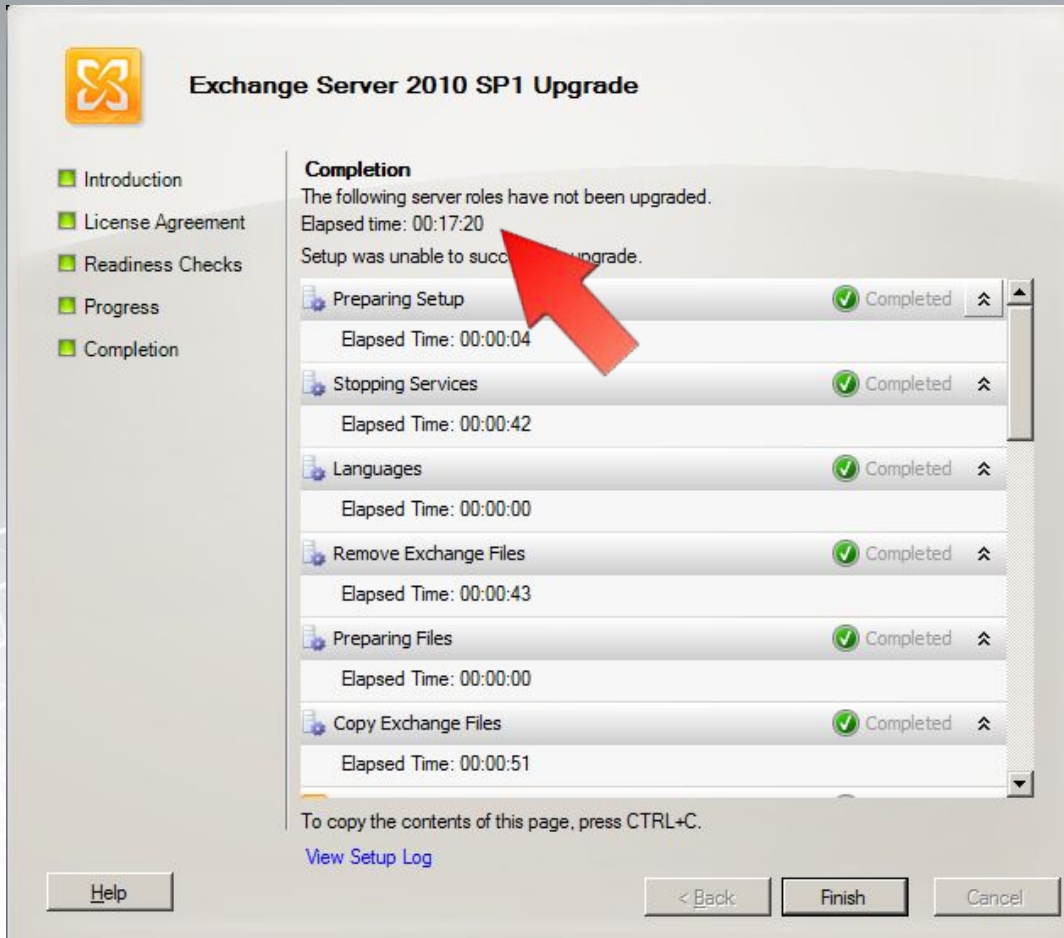
Информация о всех изменениях в схеме вносимые SP1 доступны в справочнике

[Exchange Server Active Directory Schema Changes Reference, June 2010](#)

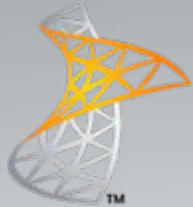
В документе так-же содержится информация о **Exchange Server 2007 Service Pack 3**

и других версиях...

# Setup and Upgrade







Microsoft®  
**Exchange Server 2010**  
**Service Pack 1**

# Outlook Web App

# Outlook Web App

## Microsoft® Outlook Web App

Security ( [show explanation](#) )

- This is a public or shared computer
- This is a private computer

Warning: By selecting this option, you confirm that this computer complies with your organization's security policy.

Use the light version of Outlook Web App

Domain\user name:

Password:

Sign in

Connected to Microsoft Exchange  
© 2009 Microsoft Corporation. All rights reserved.

## Microsoft® Outlook Web App

Security ( [show explanation](#) )

- This is a public or shared computer
- This is a private computer

Warning: By selecting this option, you confirm that this computer complies with your organization's security policy.

Use the light version of Outlook Web App

Domain\user name:

Password:

Sign in

Connected to Microsoft Exchange  
© 2009 Microsoft Corporation. All rights reserved.

# Outlook Web App

Microsoft Outlook Web App

sign out | Arman Obosyan

Mail > Inbox 1150 Items

Find Someone Options ?

- Favorites
  - Inbox
  - Unread Mail
  - Sent Items
  - Deleted Items
- Arman Obosyan
  - Inbox
  - Drafts [4]
  - Sent Items
  - Deleted Items
  - Junk E-Mail
  - News Feed
  - Notes
  - postmaster.ge
  - RSS Feeds
  - RSS Subscriptions
  - Search Folders
- Online Archive - Arman Obosyan
- Mail
- Calendar
- Contacts
- Tasks

New Delete Move Filter View

Search Entire Mailbox

Conversations by Date Newest on Top

Older		
	Your mobile phone has been deni...	3/21/2010
	Your mobile phone is temporarily...	3/21/2010
<input checked="" type="checkbox"/>	Get the latest Outlook Mobile feat...	3/16/2010
	OWA TE1	1/19/2010
	You can now send text messages ...	8/30/2009
	Exchange ActiveSync Mailbox Log...	8/30/2009
	Join my network on LinkedIn	8/28/2009
	SharePoint Registration Confirmat...	8/28/2009
	TechNet Flash: Virtualization adds...	8/27/2009
	Reverse Zone for hostmaster.ge I...	8/27/2009

Get the latest Outlook Mobile features on your Windows Mobile phone

Microsoft Outlook

To: Arman Obosyan

Tuesday, March 16, 2010 10:25 PM

This message was sent with High importance.

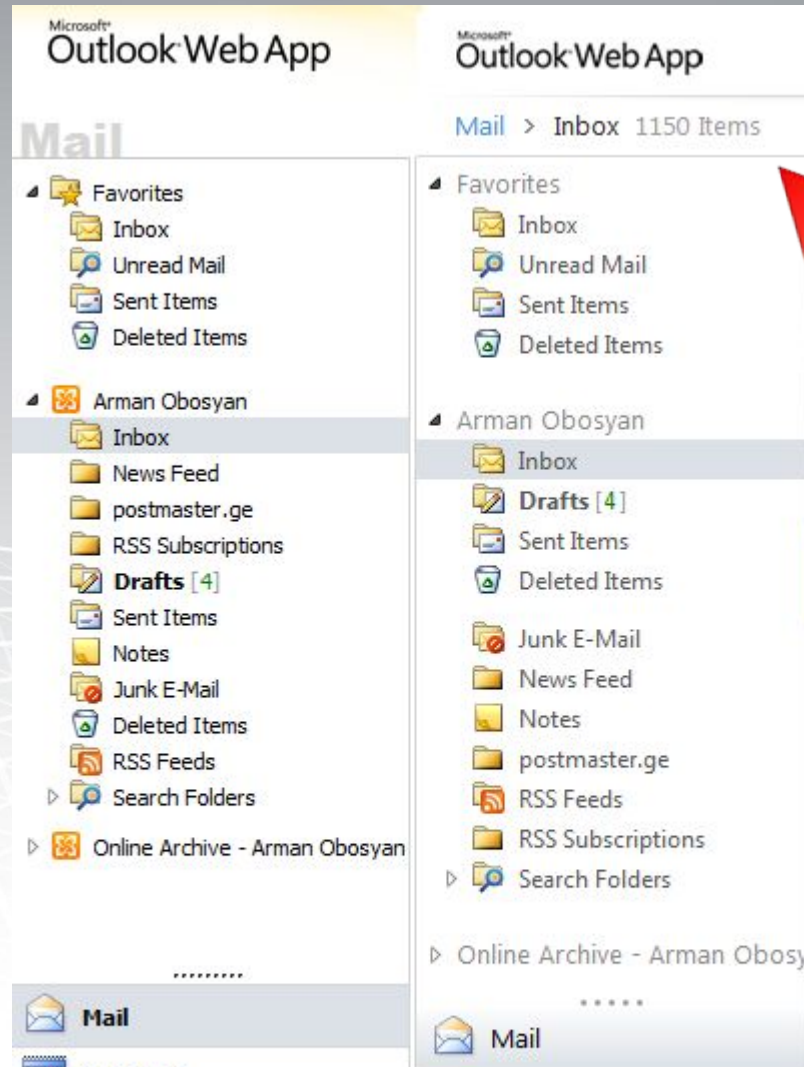
[Click here to download Outlook Mobile Update from your Windows Mobile 6.1 phone.](#)

New Outlook Mobile features are available for your **Microsoft DeviceEmulator** Windows Mobile phone (phone number: 0431816248).

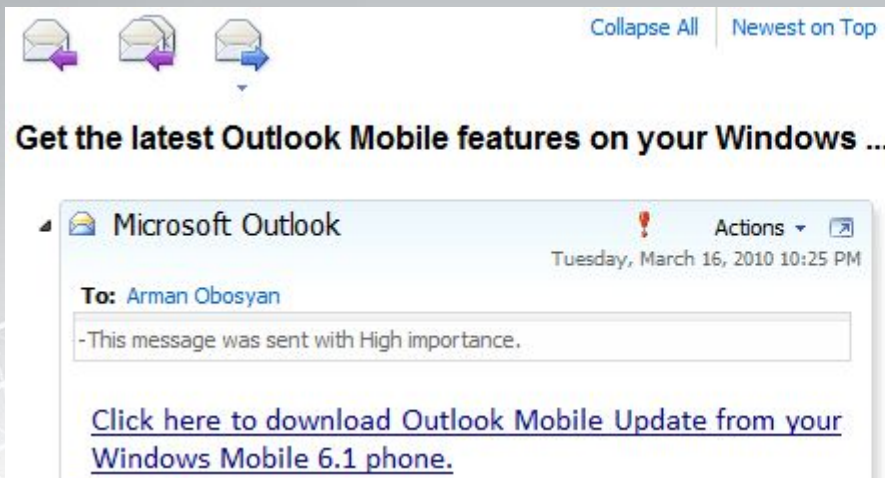
For more information about how to set up your Windows Mobile phone to receive updates for Microsoft Office Outlook Mobile, please visit the [Microsoft Web site](#).



# Outlook Web App





# Outlook Web App



Collapse All | Newest on Top

Get the latest Outlook Mobile features on your Windows ...

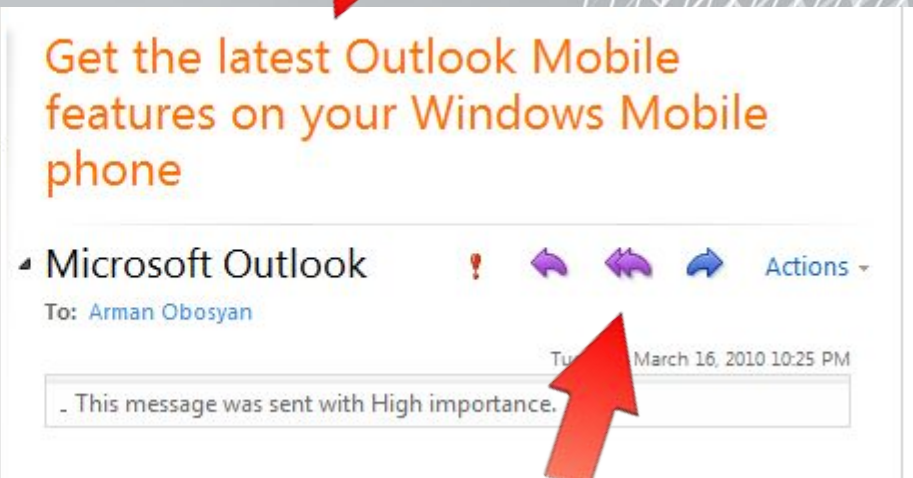
Microsoft Outlook  Actions 

Tuesday, March 16, 2010 10:25 PM






To: Arman Obosyan

-This message was sent with High importance.

[Click here to download Outlook Mobile Update from your Windows Mobile 6.1 phone.](#)



Get the latest Outlook Mobile features on your Windows Mobile phone

Microsoft Outlook     Actions 

To: Arman Obosyan

Tuesday, March 16, 2010 10:25 PM

- This message was sent with High importance.

# Outlook Web App

## OWA Themes is Back!

В Exchange 2010 SP1 добавилось довольно много встроенных  
тем

# Outlook Web App

Microsoft  
Outlook Web App

sign out | Arman Obosyan ▾

Mail > Inbox 1151 Items

- Sent Items
- Deleted Items

Arman Obosyan

- Inbox
- Drafts [4]
- Sent Items
- Deleted Items
- Junk E-Mail
- News Feed
- Notes
- postmaster.ge
- RSS Subscriptions

New ▾ Delete ▾ Move ▾ Filter ▾ View ▾

Search Entire Mailbox 🔍

Conversations by Date ▾ Newest on Top

- ✓ Get the latest Outlook Mobile ...  
Microsoft Outlook 3/16/2010
- ▷ OWA TE1  
Microsoft Outlook; Arman Obosyan... 1/19/2010
- You can now send text messa...  
Microsoft Outlook 8/30/2009
- ▷ Exchange ActiveSync Mailbox ...  
Arman Obosyan 8/30/2009

Get the latest Outlook features on your phone

Microsoft Outlook

To: Arman Obosyan

This message was sent with

[Click here to download](#)

Find Someone 🔍 Options ▾ ? ▾

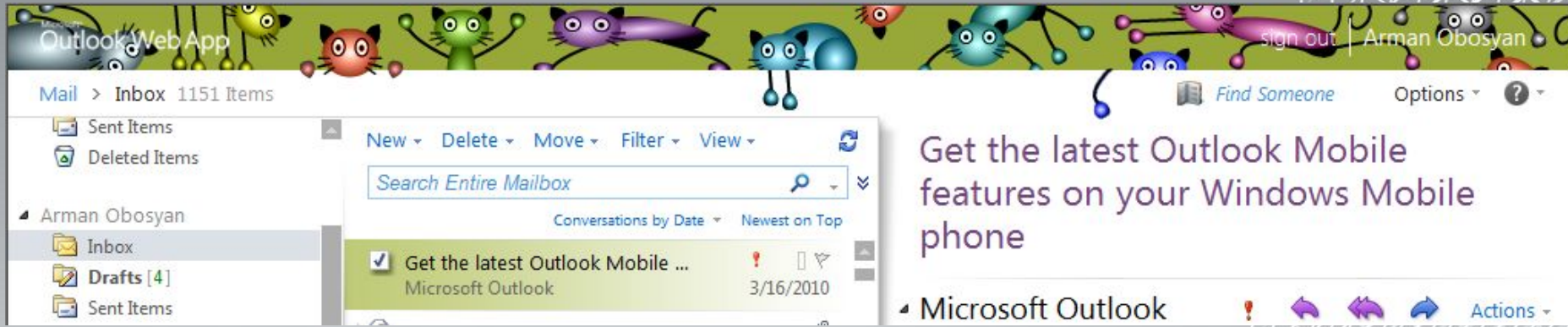
Options

- Set Automatic Replies...
- Change Your Password...
- Create an Inbox Rule...
- See All Options...

Select a Theme



# Outlook Web App



Outlook Web App sign out | Arman Obosyan

Mail > Inbox 1151 Items

Sent Items Deleted Items

Arman Obosyan

Inbox Drafts [4] Sent Items

New Delete Move Filter View

Search Entire Mailbox

Conversations by Date Newest on Top

Get the latest Outlook Mobile ... Microsoft Outlook 3/16/2010

Get the latest Outlook Mobile features on your Windows Mobile phone

Microsoft Outlook Actions



Outlook Web App sign out | Arman Obosyan

Mail > Inbox 1151 Items

Sent Items Deleted Items

Arman Obosyan

Inbox Drafts [4] Sent Items

New Delete Move Filter View

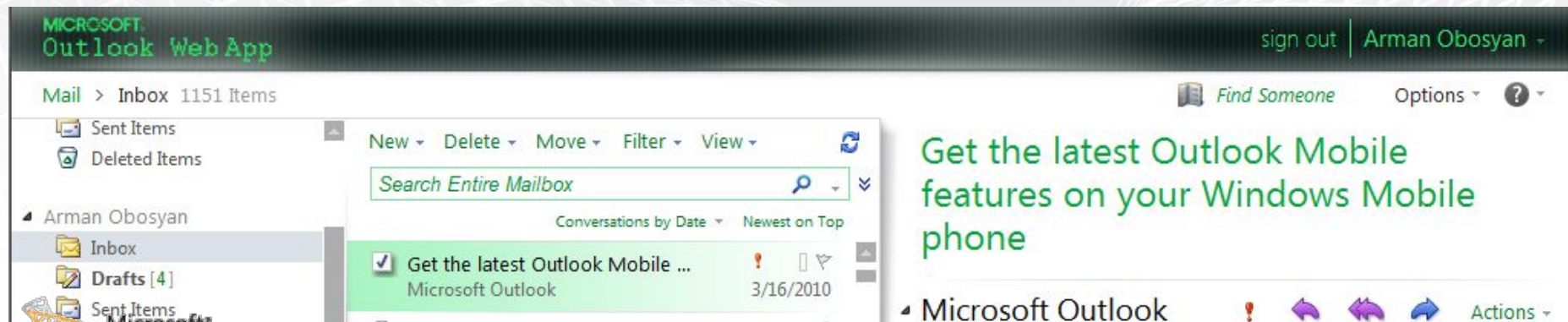
Search Entire Mailbox

Conversations by Date Newest on Top

Get the latest Outlook Mobile ... Microsoft Outlook 3/16/2010

Get the latest Outlook Mobile features on your Windows Mobile phone

Microsoft Outlook Actions



MICROSOFT Outlook Web App sign out | Arman Obosyan

Mail > Inbox 1151 Items

Sent Items Deleted Items

Arman Obosyan

Inbox Drafts [4] Sent Items

New Delete Move Filter View

Search Entire Mailbox

Conversations by Date Newest on Top

Get the latest Outlook Mobile ... Microsoft Outlook 3/16/2010

Get the latest Outlook Mobile features on your Windows Mobile phone

Microsoft Outlook Actions





# Outlook Web App

**OWA UI**, улучшенный пользовательский интерфейс  
упрощенная область чтения и панели действия  
оптимизированный интерфейс

Reading Pane в OWA может быть размещена в нижней или в правой части экрана.

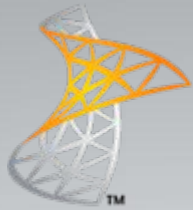
Возможность вставить фотографию прямо в окно составления нового сообщения.

**OWA Performance**, улучшена производительность таких операций  
удаление, перемещение сообщения, прикрепление файлов, предпросмотр, удаление, просмотр календаря и других операций  
(цифры в миллисекундах)

**OWA Themes**, возможность смены “тем” внешнего вида OWA.

**OWA and IRM**, просмотр IRM-защищенных документов в OWA (Web-Ready Document Viewing) в Safari на MacOS, в Firefox и Internet Explorer в Windows.





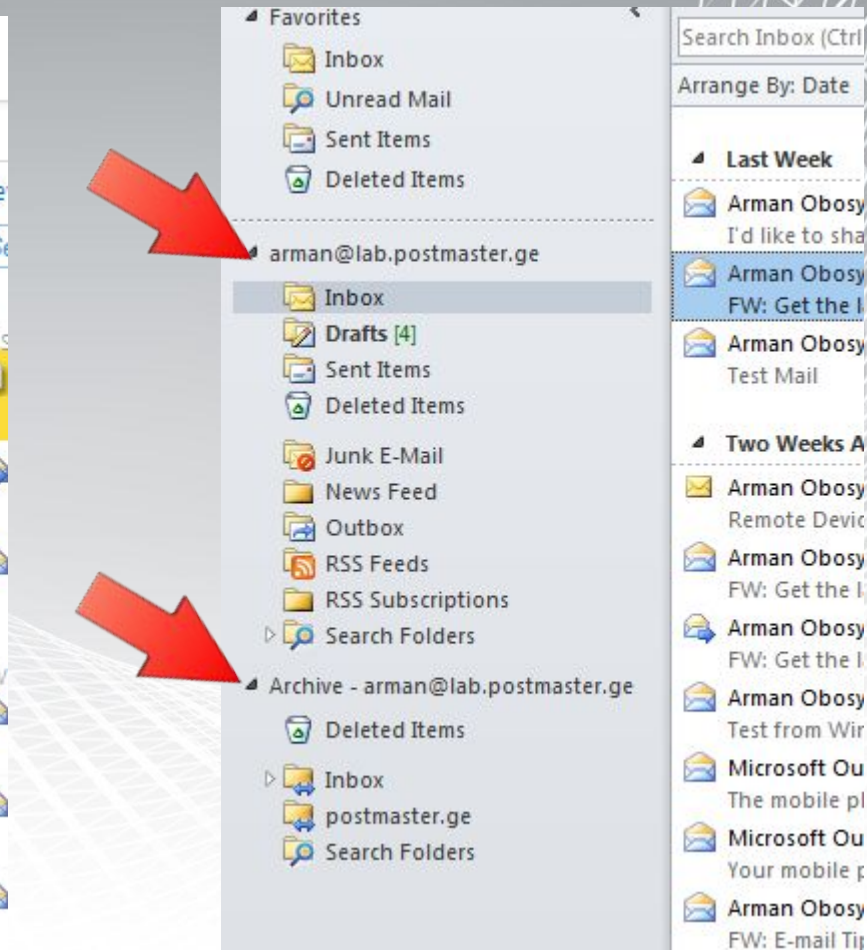
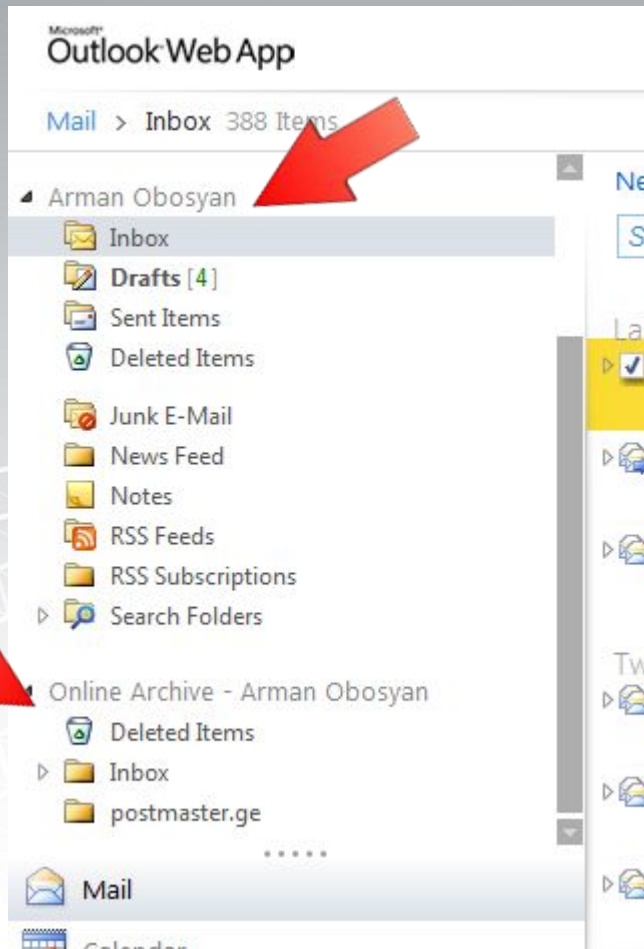
Microsoft®  
**Exchange Server 2010**  
**Service Pack 1**

# Archive Mailbox

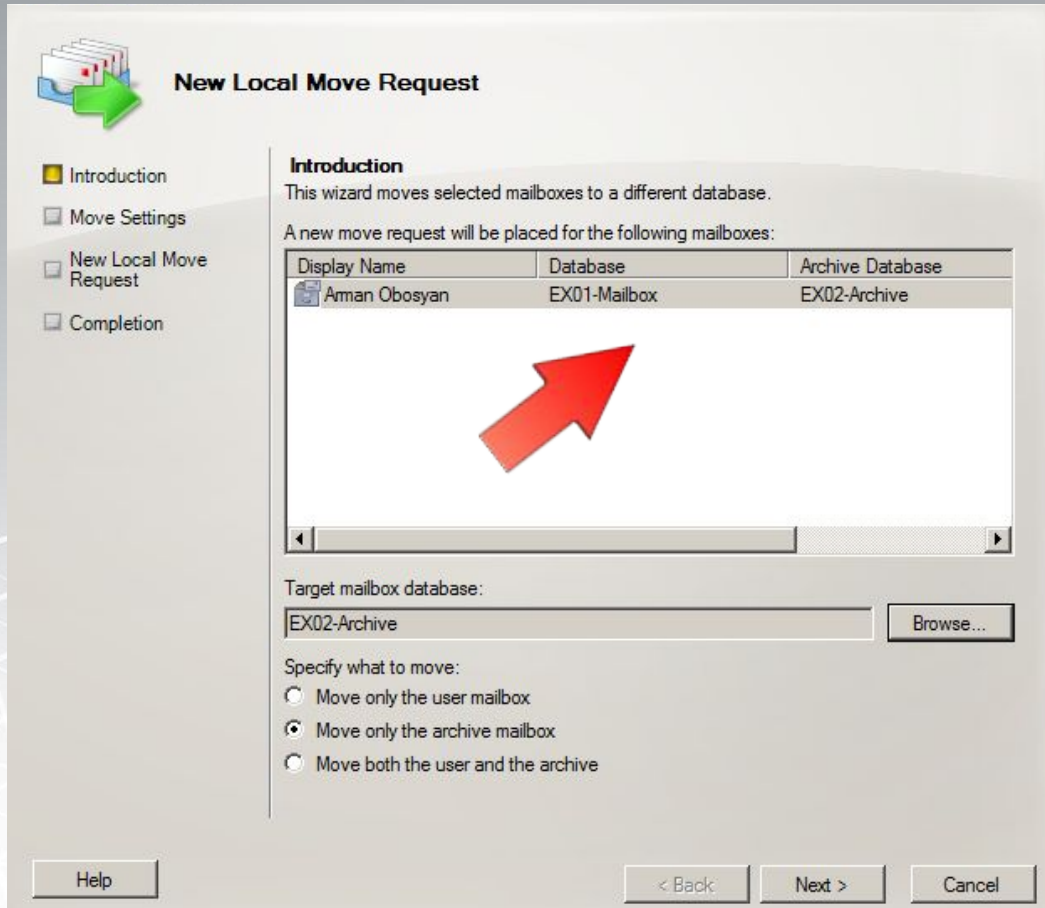
# Archive Mailbox

OWA

Outlook 2010



# Archive Mailbox



**New Local Move Request**

**Introduction**  
This wizard moves selected mailboxes to a different database.  
A new move request will be placed for the following mailboxes:

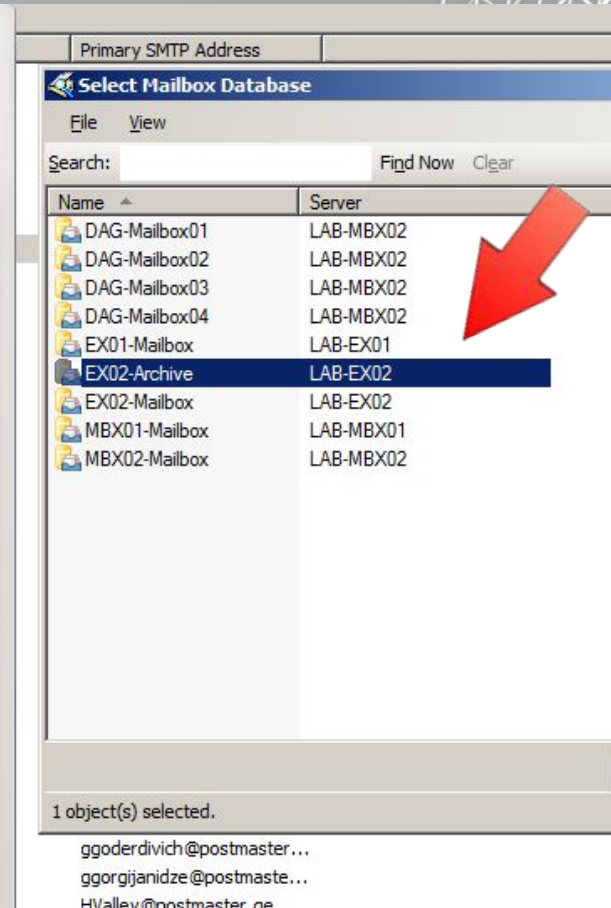
Display Name	Database	Archive Database
Aman Obosyan	EX01-Mailbox	EX02-Archive

Target mailbox database:  
EX02-Archive

Specify what to move:

- Move only the user mailbox
- Move only the archive mailbox
- Move both the user and the archive

Buttons: Help, < Back, Next >, Cancel



Primary SMTP Address

**Select Mailbox Database**

File View

Search: Find Now Clear

Name	Server
DAG-Mailbox01	LAB-MBX02
DAG-Mailbox02	LAB-MBX02
DAG-Mailbox03	LAB-MBX02
DAG-Mailbox04	LAB-MBX02
EX01-Mailbox	LAB-EX01
<b>EX02-Archive</b>	<b>LAB-EX02</b>
EX02-Mailbox	LAB-EX02
MBX01-Mailbox	LAB-MBX01
MBX02-Mailbox	LAB-MBX02

1 object(s) selected.

ggodervich@postmaster...  
ggorgjanidze@postmaste...  
HValley@postmaster.ae

# Archive Mailbox

**New Local Move Request**

Introduction  
 Move Settings  
 New Local Move Request  
 Completion

**Introduction**  
This wizard moves selected mailboxes to a different database.  
A new move request will be placed for the following mailboxes:

Display Name	Database	Archive Database
Aman Obosyan	EX01-Mailbox	EX02-Archive

Target mailbox database:  
EX02-Archive


Specify what to move:

Move only the user mailbox  
 Move only the archive mailbox  
 Move both the user and the archive

# Archive Mailbox

**Arman Obosyan Properties** [X]

Member Of	E-Mail Addresses	Mailbox Settings		
Mail Flow Settings	Mailbox Features	Calendar Settings		
General	User Information	Address and Phone	Organization	Account

 Aman Obosyan

---

Organizational unit: lab.postmaster.ge/Lab Usres  
Last logged on by: POSTMASTER\arman  
Total items: 1477  
Size (KB): 55127  
Mailbox database: EX01-Mailbox  
Archive database: EX02-Archive  
Modified: Wednesday, May 12, 2010 9:02:41 PM

---

Alias:  
amanobosyan

Hide from Exchange address lists

View and modify custom attributes:

# Archive Mailbox

**Enable Archive Mailbox**

An archive mailbox will be created for 'Aman Obosyan'. Choose between "local" and "remote" options below to specify where your archive will be created.

Create a local archive

Choose a specific mailbox database rather than selecting one automatically:

Browse...

Create a remote hosted archive:

Enter the domain name of your Microsoft Online Business Productivity Suite tenant. For example, type www.contoso.com

Online archives are a premium feature and require an Exchange Enterprise Client Access License (CAL) to enable it for the mailbox.

OK Cancel

## Microsoft Online Business Productivity Suite

Возможность хранить архивные боксы на удалённых хостинг серверах

# Archive Mailbox

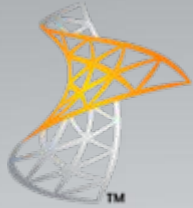
Возможность хранить архивы в разных базах данных (к примеру на дешевых дисках, менее производительных серверах и так далее)

Делегирование доступа к архивам пользователей

Импорт в архивный почтовый ящик прямо из PST файла

Возможность работы с архивам из Outlook 2007 (требуется обновление для Outlook 2007)





Microsoft®  
**Exchange Server 2010**  
**Service Pack 1**

# Mobile

# Mobile

Создание ActiveSync Policy в Exchange Control Panel (ECP)

Возможность управлять устройствами ActiveSync через ECP

Новый инструмент Device Management в ECP

Возможность настроить параметр по умолчанию помещать все устройства в карантин

Уведомление пользователей если их устройство заблокировано или находится в карантине.

**Mobile Mailbox Settings** и настройки **ActiveSync Access** находятся у нас в Exchange Control Panel > My Organization > Phone and Voice.



# Mobile

The screenshot displays the Microsoft Exchange Server management console. The top navigation bar includes 'Mail > Options: Manage My Organization'. The left sidebar lists 'Users & Groups', 'Mail Controls', 'Reporting', and 'Phone & Voice'. The main content area shows 'ActiveSync Access' and 'ActiveSync Policy' buttons, with a red arrow pointing to the latter. Below, the 'Exchange ActiveSync Device Policy' configuration page is visible, showing a table with columns 'Name' and 'Modified'. The table contains one entry: 'Default (Default)' with a modification date of '5/25/2010 5:34 PM'. A modal window titled 'Exchange ActiveSync Device Policy - Windows Internet Explorer' is open, displaying a configuration form with sections: 'Default', '\*Required fields', 'General', 'Device Security', 'Sync Settings', and 'Device'. The 'Save' button is highlighted with a green checkmark, and the 'Cancel' button is highlighted with a red X. A red arrow points to the 'General' section of the modal. The browser status bar at the bottom indicates 'Local intranet | Protected Mode: Off' and '100%' zoom.




# Mobile

**Mobile Mailbox Settings** ?

When an unknown mobile device connects to Exchange:

- Allow devices to connect and synchronize data
- Block all new devices from synchronizing data
- Quarantine all new devices and let me decide to Allow or Block them later

\* Quarantine notification E-mails  
Select Administrators who will receive e-mail notifications when users are in quarantine

 Add...	 Remove
Display Name	SMTP Address
 Arman Obosyan	arman@lab.postmaster.ge

Insert the following into e-mails sent to users who have a device in quarantine, blocked, or in the process of being enabled:

Device is in Quarantine

Save  Cancel

## Quarantine Notification E-mail

указав администратора ActiveSync, он будет получать сообщения о новых устройствах попавших в карантин,

# Mobile

The screenshot displays the Microsoft Exchange Mobile management console. At the top, there are two tabs: "ActiveSync Access" (selected) and "ActiveSync Policy". Below the tabs, there is a section for "Quarantined Devices" with a red dot indicating one device. A toolbar for this section includes "Details", "Allow", "Block", "Create a rule for all users...", and a refresh icon. A table lists the quarantined device:

User	Device Type	Model	Connection Time
Arman Obosyan	PocketPC	Microsoft DeviceE...	5/27/2010 3:47 PM

Below the table, it says "1 selected of 1 total". Underneath is the "Device Access Rules" section, also with a red dot. Its toolbar includes "New Rule...", "Details", a close icon, and a refresh icon. A table lists the device access rules:

Name	Reference String	Characteristic Attribute	Access Permission
PocketPC (DeviceType)	PocketPC	Device Family	Quarantined

Four red arrows point to specific elements: the "ActiveSync Access" tab, the "Quarantined Devices" section, the "Device Access Rules" section, and the "Access Permission" column header in the Device Access Rules table.

**Возможность управлять устройствами ActiveSync  
через ECP**

# Mobile

Arman Obosyan

Status: ActiveSync is enabled for this user

Exchange ActiveSync Device Policy: Default [Browse...](#)

Mobile Devices

[Details](#) [Cancel Allow](#) [Block](#) [Wipe device](#) [Create a rule for all users...](#)

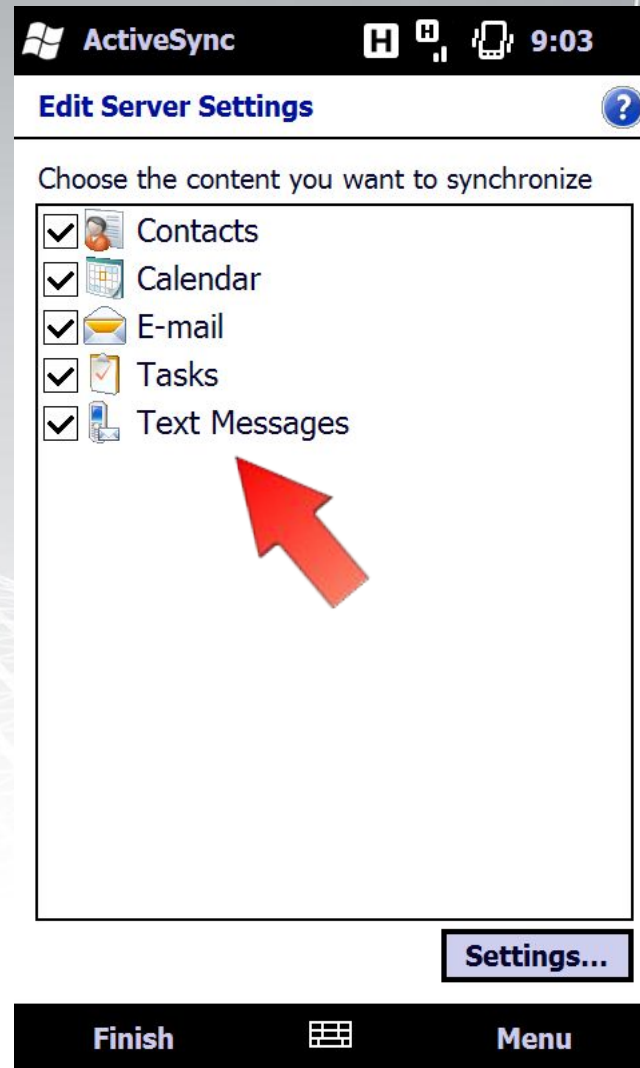
Family	Model	Phone Number	Status
PocketPC	Microsoft DeviceEmulator	*****8328	Access Granted - Pending

1 selected of 1 total

[Save](#) [Cancel](#)

# Mobile

Обновлённый протокол EAS до версии 14.1 который позволяет синхронизировать SMS в любую папку



# Mobile

Возможность синхронизировать части сообщения

Подобный OWA Conversation View и в мобильном устройстве

Поддержка просмотра писем с

IRM

Добавилась поддержка

Send-As

Для некоторых новых возможностей на стороне клиента (Windows Mobile) потребуется обновление до **EAS 14.1**, выглядит процесс обновления как и раньше для [Outlook Mobile](#)





# Mobile

## Обновление Outlook Mobile



Outlook Mobile Update

Checking for a supported version of Outlook Mobile.

Outlook Mobile Update

Continue to download and install Outlook Mobile?

Outlook Mobile Update

Downloading update for Outlook



1353 Kb / 2956 Kb

Outlook Mobile Update

Outlook Mobile Updater ok

Restart your phone to complete the installation of Outlook Mobile.

Cancel

Outlook E-mail

Notify me of updates?

Outlook Mobile can automatically check online and notify you of updates and new features.

By selecting "Yes" (recommended) below, you accept the [License Terms](#) and [Privacy Statement](#) and acknowledge that you are aware of and have had an opportunity to fully review them by clicking on the online links. (Data charges may apply)

Yes

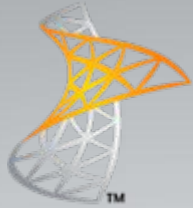
No



Favorites



Menu



Microsoft®

**Exchange Server 2010**

**Service Pack 1**

## **Exchange Control Panel (ECP)**

# Exchange Control Panel (ECP)

**В Service Pack 1 Exchange Control Panel была доработана и обновлена**

## Расширенная работа **ActiveSync**

Возможно создавать и удалять административные роли

Управлять пользовательскими архивами

Конфигурирование транспортных правил

Конфигурирование Journal Rules

Добавлена поддержка работы учетных записей не имеющих почтовых ящиков.

# Exchange Control Panel (ECP)

Microsoft Exchange Server

sign out | Arman Obosyan

Mail > Options: Manage My Organization

My Mail ?

Users & Groups

**Mail Controls**

Reporting

Phone & Voice

**Rules** Journal Rules

### Rules

Use rules to control the flow of e-mail messages in your organization. If you don't want a rule to run, you can turn it off or delete it.

[New...](#) [Details](#) X ↑ ↓ ↺

On	Rule
<input checked="" type="checkbox"/>	Sent to scope Inside the organization

1 selected of 1 total

**Sent to scope Inside the organization**

**If the message...**  
Apply to all messages

**Do the following...**  
Append the message with the disclaimer 'This message is sent from Postmaster Test LAB, please ignore and delete it.'

© 2009 Microsoft

# Exchange Control Panel (ECP)

Microsoft Exchange Server

Mail > Options: Manage My Organization ▾

Users & Groups

**Mail Controls**

Reporting

Phone & Voice

Rules

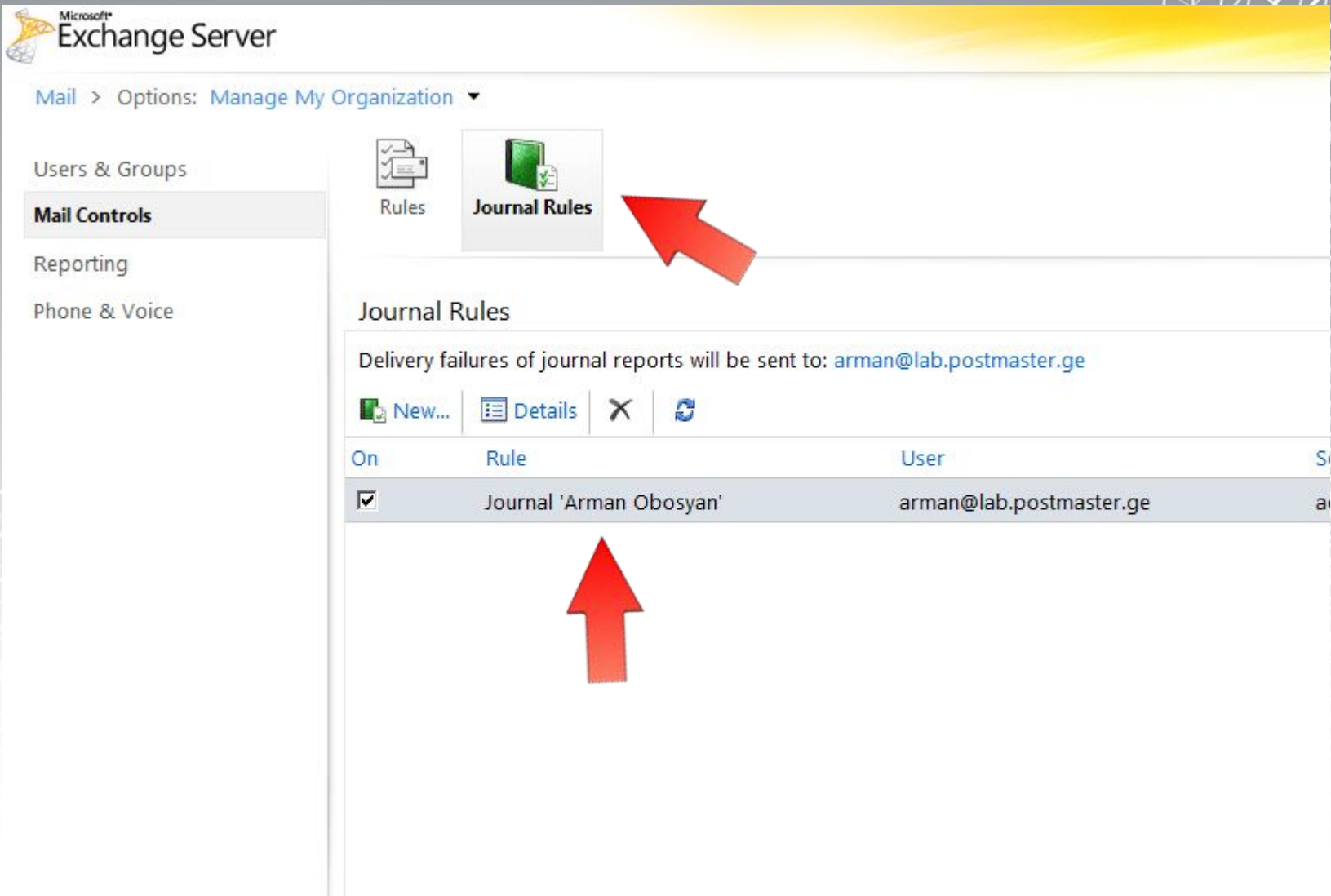
**Journal Rules**

Journal Rules

Delivery failures of journal reports will be sent to: [arman@lab.postmaster.ge](mailto:arman@lab.postmaster.ge)

New... Details X Refresh

On	Rule	User	
<input checked="" type="checkbox"/>	Journal 'Arman Obosyan'	arman@lab.postmaster.ge	








# Exchange Control Panel (ECP)

## Управлять пользовательскими архивами И Litigation Hold

Arman Obosyan

### Mailbox Features

Enable, disable, and configure phone and voice options for this user.

 Edit	 Enable	 Disable
Feature	Status	
 Archive	Enabled	
 Litigation Hold	Disabled - Pending	

Arman Obosyan

When a user's mailbox is put on litigation hold, the user can delete items from their mailbox but the items are retained by Microsoft Exchange.

[Learn more...](#)

Date this mailbox was put on hold: Litigation hold currently not enabled

This mailbox was put on hold by: None

Note:

Please Note that You mailbox is Litigation Hold enabled!

URL:

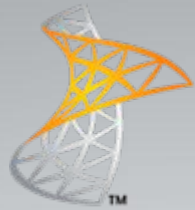
<http://lab.postmaster.ge/LitigationHold.htm>

 OK

# Exchange Control Panel (ECP)

## Создавать и удалять административные роли

The screenshot displays the Exchange Control Panel (ECP) interface. At the top, there are navigation tabs: Mailboxes, Public Groups, External Contacts, **Administrator Roles**, and User Roles. The 'Administrator Roles' tab is active, showing a list of Role Groups. The 'New...' button in the toolbar is highlighted with a red arrow. Below the toolbar is a search bar labeled 'Search role groups'. The list of Role Groups includes: Delegated Setup, Discovery Management, **Exchange Mailbox Import Export** (highlighted with a red arrow), Help Desk, Hygiene Management, Organization Management, Public Folder Management, Recipient Management, and Records Management. On the right side, the details for the 'Exchange Mailbox Import Export' role group are shown. The description states: 'This group will provide access to mailbox import and export cmdlets within entire Exchange Organization.' The 'Assigned Roles' section lists 'Mailbox Import Export'. The 'Members' section lists 'Arman Obosyan' and 'Exchange Mailbox Import Export'. The 'Scope' is set to 'Default'. Red arrows also point to the 'Delete' icon in the toolbar and the 'Assigned Roles' section.



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**Exchange Server 2010**

**Service Pack 1**

# **Exchange Management Console (EMC)**



# Exchange Management Console (EMC)

**Reset Client Access Virtual Directory**

- Introduction
- Log Location
- Reset Client Access Virtual Directory
- Completion

**Introduction**

Reset one of the virtual directories on server LAB-EX02.lab.postmaster.ge. The virtual directory will be deleted and then re-created with the default settings. The current settings will be stored locally for your reference. You must run the command `iisreset /noforce` on server LAB-EX02.lab.postmaster.ge for the changes to take effect.

Virtual directory to be reset:

Microsoft-Server-ActiveSync (Default Web Site)

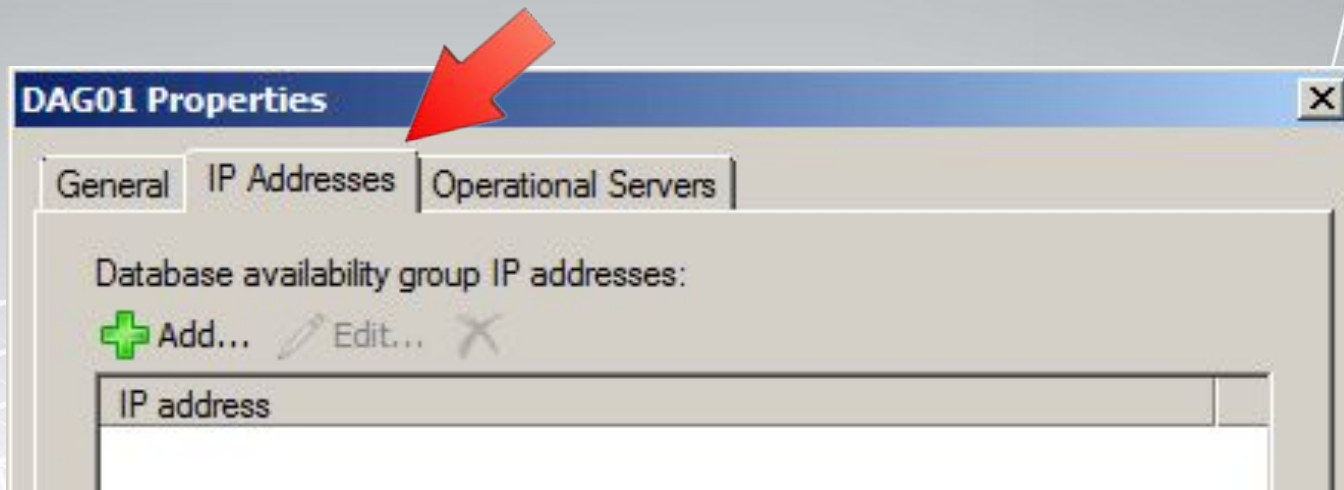
**Note: When you reset the virtual directory, the current settings will be lost.**

Новый мастер **Reset Virtual Directory**, возможность пересоздания виртуальных директорий на CAS прямо в консоли управления EMC, мастер работает со всеми виртуальными директориями; **Autodiscover, ECP, EWS, OWA, OAB, EAS.**

# Exchange Management Console (EMC)

Улучшен пользовательский интерфейс управления и создания DAG, возможность указать статического IP адрес(а).

Возможность настройки альтернативного Witness.



# Exchange Management Console (EMC)

## Retention Tags и Retention Policies

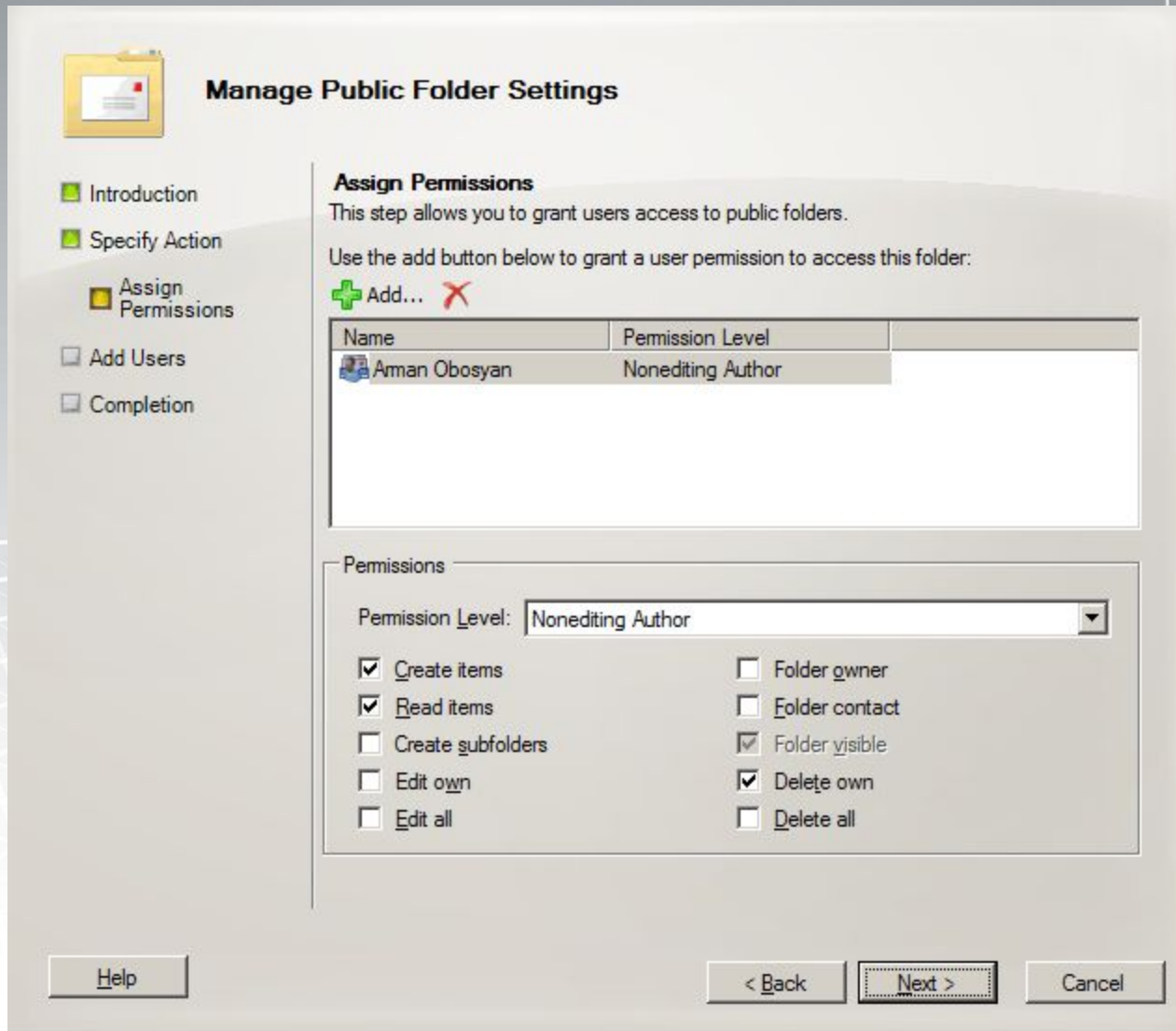
Exchange 2010 RTM Message Records Management 1.0 и MRM 2.0 (**Retention Policies**)

В Service Pack 1 у нас останется только **Retention Policies** (MRM2.0) которая с самого начала и была приемником MRM1.0.

В SP1 добавилась возможность конфигурирования настроек **Retention Tags** и **Retention Policies** из консоли управления Exchange (EMC)

Name	Type	Action	Age Limit for Retention	Retention
Default 2 year move to archive	All other folde...	Move To Archive	730	True
Personal 1 Year move to archive	Personal Folder	Move To Archive	365	True
Personal 5 year move to archive	Personal Folder	Move To Archive	1825	True
Personal never move to archive	Personal Folder	Move To Archive		False
Recoverable Items 14 days move ...	Recoverable I...	Move To Archive	14	True

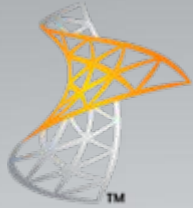
# Exchange Management Console (EMC)



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Exchange

мастер настройки Public Folders похожий на тот что мы видели в Exchange 2  
Возможность рекурсивного управления параметрами общих папок, включая  
разрешения. Все это в консоли управления EMC



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**Service Pack 1**

## High Availability Features

# High Availability Features

Улучшен пользовательский интерфейс управления и создания DAG, возможность указать статического IP адрес(а).

Возможность настройки альтернативного Witness.

## **Новые возможности и улучшения существующих функций высокой доступности:**

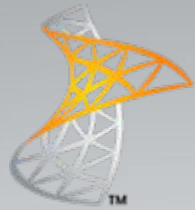
Непрерывная репликация - Block

Mode  
Улучшения производительность при

failover  
Улучшенная работа Outlook при много узловых подключениях

Расширенная поддержка Datacenter Activation Coordination (DAC)

Расширенное управления и сценарии мониторинга



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## Other Features

# Address Book

The screenshot displays the 'Address Book: Global Address List' window. At the top, there are menu options for 'File', 'Edit', and 'Tools'. Below the menu, there are tabs for 'Name List' and 'Organization'. A search section includes radio buttons for 'Name only' (selected) and 'More columns', a search input field with a 'GO' button, and a dropdown menu showing 'Global Address List - arman@lab.postmaster.ge'. An 'Advanced Find' link is also present. The main area is a table with columns: Name, Title, Business P..., Location, Department, E-mail Address, and Company. The table lists various account groups and individual contacts, such as 'Administration Group', 'Analytics', 'Application Support', and 'Beta Tester', each with associated email addresses and company information.

Name	Title	Business P...	Location	Department	E-mail Address	Company
<b>Account Group</b>					<b>AccountGroup@lab.postmaster....</b>	
<b>Administration Group</b>					<b>AdministrationGroup@lab.post...</b>	
Administrator					Administrator@lab.postmaster.ge	
<b>Analytics</b>					<b>Analytics@lab.postmaster.ge</b>	
<b>Application Support</b>					<b>aps@lab.postmaster.ge</b>	
Arman Obosyan	System A...	+995 11 12...	Head Office	IT Infrastructure	arman@lab.postmaster.ge	Postmaster LAB
<b>Beta Tester</b>					<b>bt@lab.postmaster.ge</b>	
Constantine Oboladze	System A...	+995 11 12...	Head Office	IT Infrastructure	coboladze@lab.postmaster.ge	Postmaster LAB
<b>Corporate Office</b>					<b>CorporateOffice@lab.postmaste...</b>	
<b>DataBase Administrators</b>					<b>dba@lab.postmaster.ge</b>	
David Ramishvili	System A...	+995 11 12...	Head Office	IT Infrastructure	dramishvili@lab.postmaster.ge	Postmaster LAB
<b>Development</b>					<b>Development@lab.postmaster.ge</b>	
Discovery Search Mailbox					DiscoverySearchMailbox{D919BA05-...	
<b>Help Desk Team</b>					<b>hdt@lab.postmaster.ge</b>	
Henry Gail	System A...	+995 11 12...	Head Office	IT Infrastructure	hgeil@lab.postmaster.ge	Postmaster LAB
<b>Human Resources</b>					<b>HumanResources@lab.postmas...</b>	
<b>Information Technology</b>					<b>it@lab.postmaster.ge</b>	
<b>Infrastructure</b>					<b>iti@lab.postmaster.ge</b>	
<b>Network Administrators</b>					<b>net@lab.postmaster.ge</b>	
<b>Postmaster LAB</b>					<b>postmasterlab@lab.postmaster....</b>	



# Address Book

The screenshot shows the Microsoft Exchange Address Book interface. The window title is "Address Book" and it has a menu bar with "File", "Edit", and "Tools". There are two tabs: "Name List" and "Organization". The "Organization" tab is active, showing a search bar and a "Go" button. Below the search bar is a hierarchical tree view of the organization structure. The tree is expanded to show the "System Administrators" group under "Information Technology". To the right of the tree is a table of contacts with columns for Name, Title, Business P..., Location, E-mail Address, and Company. The table contains five entries, all with the company "Postmas".

Name	Title	Business P...	Location	E-mail Address	Company
Arman Obosyan	System A...	+995 11 12...	Head Office	arman@lab.postmaster.ge	Postmas
Constantine Oboladze	System A...	+995 11 12...	Head Office	coboladze@lab.postmaster.ge	Postmas
David Ramishvili	System A...	+995 11 12...	Head Office	dramishvili@lab.postmaster.ge	Postmas
Sandro Galdava	System A...	+995 11 12...	Head Office	sgoldava@lab.postmaster.ge	Postmas
Zviad Kvirashvili	System A...	+995 11 12...	Head Office	zkvirashvili@lab.postmaster.ge	Postmas

# Что не вошло в презентацию

## Calendar and Sharing

Возможность опубликовать календарь для анонимных пользователей за пределами организации (конечно если администратор разрешил данный функционал), нет необходимости в Federation, работает “анонимный календарь” только в Outlook 2010

## Unified messaging

## Archiving and retention

## Защита информации и Контроль

...и многое другое



Q/A

Gracias

Bedankt

谢谢您

For more information visit  
<http://postmaster.ge/blog>

**Thank you!**

Merci

Danke

Obrigado

Takk

**Arman Obosyan**

MVP

High Tech Solutions

IT Consultant

[arman@postmaster.ge](mailto:arman@postmaster.ge)