BCCNET Shared IT Services for Higher Education & Research

Conference 2018

PowerShell tools for Exchange Administration

Mario Ivanov Data Centre Services, University of Victoria

A bit about myself





EXCHANGE TOOLS TO SET/RESET:

- Mailbox permissions
- Calendar permissions
- Send As permissions
- Send on Behalf permissions
- Unified Voice messaging
- Out of office message

What is PowerShell?

Built on the .NET Framework, PowerShell is a task-based command-line shell and scripting language; it is designed specifically for system administrators and power-users, to rapidly automate the administration of multiple operating systems (Linux, MacOS, Unix, and Windows) and the processes related to the applications that run on those operating systems.

Windows PowerShell introduces the concept of a cmdlet (pronounced "command-let"), a simple, single-function command-line tool built into the shell. You can use each cmdlet separately, but their power is realized when you use these simple tools in combination to perform complex tasks. Windows PowerShell includes more than one hundred basic core cmdlets, and you can write your own cmdlets and share them with other users.

Warning: PowerShell is powerful!

- Beginners should always start with non-intrusive commandlets i.e. starting with "Get-"
- The "dangerous" ones start with "Set-", "Remove-" etc.

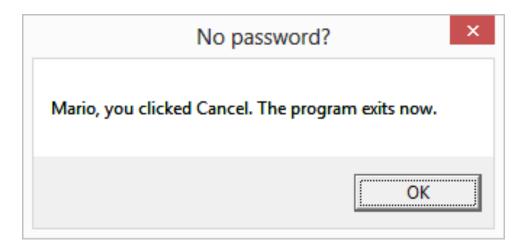
Example

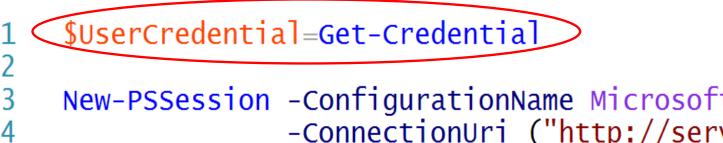
Get-Mailbox - returns a huge amount of properties belonging to an Exchange mailbox, literally above 200. Among them:

- Display name
- Database name
- Forwarding address,
- If they have a picture
- If hidden in the Global Address List

Logging to the Exchange server

Open a remote s	session to Exchange ? ×
Mario, please login to	the Exchange server:
<u>U</u> ser name:	😰 mivanov 🗸 🗸 🗸
Password:	
	OK Cancel





New-PSSession -ConfigurationName Microsoft.Exchange -ConnectionUri ("http://server.uvic.ca/") -Authentication Kerberos -Credential \$UserCredential

\geq	powershell	- 🗆	×	
Permis	sions on mailbox: dss1		^	
User 	Access			
jpotto mivano	en Full Access n Full Access v Full Access on Full Access			
User	Extended Rights			
jpotto	t Send-As n Send-As v Send-As			
Send-oi allychd	n-behalf granted to: en			
The al Paste :	bove permissions info is already copied into the c it in an email to the client and format with a monospa	lipboa ced fo	rd Int	
Update	the ticket!		~	
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Switching to GUI

• Windows Forms a.k.a. Winforms

WinForms is a graphical (GUI) class library included as a part of Microsoft .NET Framework, providing a platform to write rich client applications for desktop, laptop, and tablet PCs.

Being a first generation GUI building technology, WinForms UI layout is very simplistic and limited. Controls are placed using distance from the top-left point of a window and their size is explicitly specified. The size of controls can't compensate automatically when resizing windows... etc. (From Wikipedia)

• WPF

```
122
     $CheckBoxHiddenInGAL = New-Object System.Windows.Forms.CheckBox
123
124
     $CheckBoxHiddenInGAL.Location = New-Object System.Drawing.Point(205, 101)
125
     $CheckBoxHiddenInGAL.Size = New-Object System.Drawing.Size(167, 27)
126
     $CheckBoxHiddenInGAL.TabIndex = 24
127
     $CheckBoxHiddenInGAL.Text = "Hidden in GAL"
     $CheckBoxHiddenInGAL.UseVisualStyleBackColor = $true
128
     $CheckBoxHiddenInGAL.Add_CheckStateChanged({CheckBoxHiddenInGALClick($CheckBoxHiddenInGAL)})
129
130
     $CheckBoxHiddenInGAL.Enabled=$False
     131
     $ButtonCopyClipboard = New-Object System.Windows.Forms.Button
132
133
     $ButtonCopyClipboard.Location = New-Object System.Drawing.Point(520, 628)
134
     $ButtonCopyClipboard.Size = New-Object System.Drawing.Size(83, 26)
135
     ButtonCopyClipboard.TabIndex = 23
136
     $ButtonCopyClipboard.Text = "Clipboard"
137
     $ButtonCopyClipboard.UseVisualStyleBackColor = $true
     $ButtonCopyClipboard.add_Click({ButtonCopyClipboardClick($ButtonCopyClipboard)})
138
139
     $TextBoxDisplayName = New-Object System.Windows.Forms.TextBox
140
141
     $TextBoxDisplayName.Location = New-Object System.Drawing.Point(205, 72)
     $TextBoxDisplayName.Size = New-Object System.Drawing.Size(398, 23)
142
143
     TextBoxDisplayName.TabIndex = 22
144
     $TextBoxDisplayName.Text = ""
     $TextBoxDisplayName.ForeColor = [System.Drawing.Color]::Black
145
     146
147
     $ButtonChangeDisplayName = New-Object System.Windows.Forms.Button
     ButtonChangeDisplayName.Location = New-Object System.Drawing.Point(528, 46)
148
149
     $ButtonChangeDisplayName.Size = New-Object System.Drawing.Size(75, 26)
150
     ButtonChangeDisplayName.TabIndex = 21
151
     $ButtonChangeDisplayName.Text = "Change"
     $ButtonChangeDisplayName.UseVisualStyleBackColor = $true
152
153
     $ButtonChangeDisplayName.add_Click({ButtonChangeDisplayNameClick($ButtonChangeDisplayName)})
154
```

User Mailbox -	-	Windows	Ir	nternet	Exp	lorer
----------------	---	---------	----	---------	-----	-------

Help

Mario Ivanov

general

2

mailbox usage contact information organization email address mailbox features member of MailTip mailbox delegation

First name:	~
Mario	
Initials:	
Last name:	
Ivanov	
*Name:	
mivanov	
*Display name:	
Mario Ivanov	
*Alias:	
mivanov	
*User logon name:	
mivanov @ uvic.ca 🗸	
Require password change on next logon	~
save cancel	
a 125%	•

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User Mailbox - Windows Internet Explorer

Attps://

Mario Ivanov for testing

general

mailbox usage contact information

organization

email address

mailbox features

member of

MailTip

mailbox delegation



The Send As permission allows a delegate to send email from this mailbox. The message will appear to have been sent by the mailbox owner.

+ -

DISPLAY NAME

Mario Ivanov

Send on Behalf

The Send on Behalf permission allows the delegate to send email on behalf of this mailbox. The From line in any message sent by a delegate indicates that the message was sent by the delegate on behalf of the mailbox owner.

+ -

DISPLAY NAME
Ally Chen

Full Access

The Full Access permission allows a delegate to open this mailbox and behave as the mailbox owner.

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DISPLAY NAME	
Ally Chen	~
Exchange Domain Servers	
Exchange Servers	,
Exchange Trusted Subsystem	

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cancel

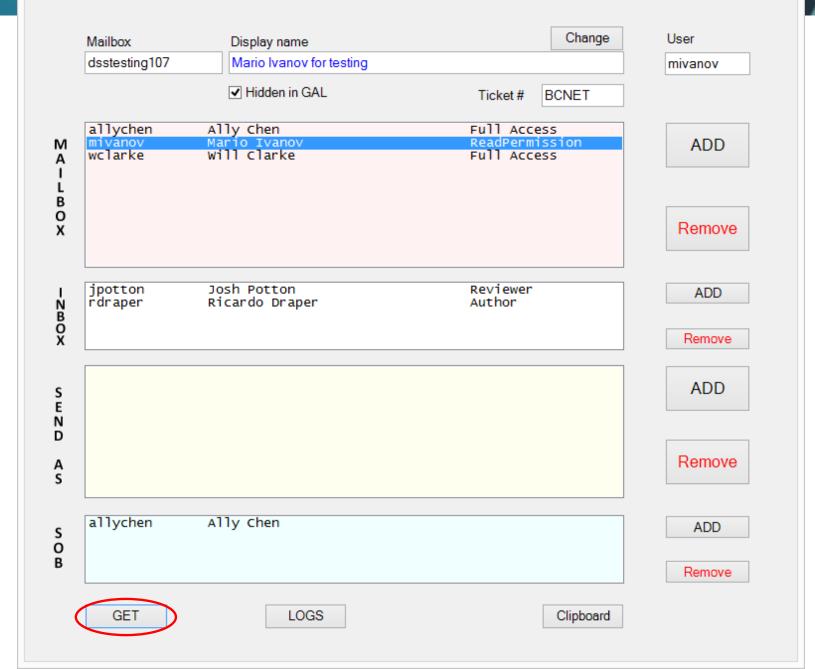
save

Mailbox permissions tool

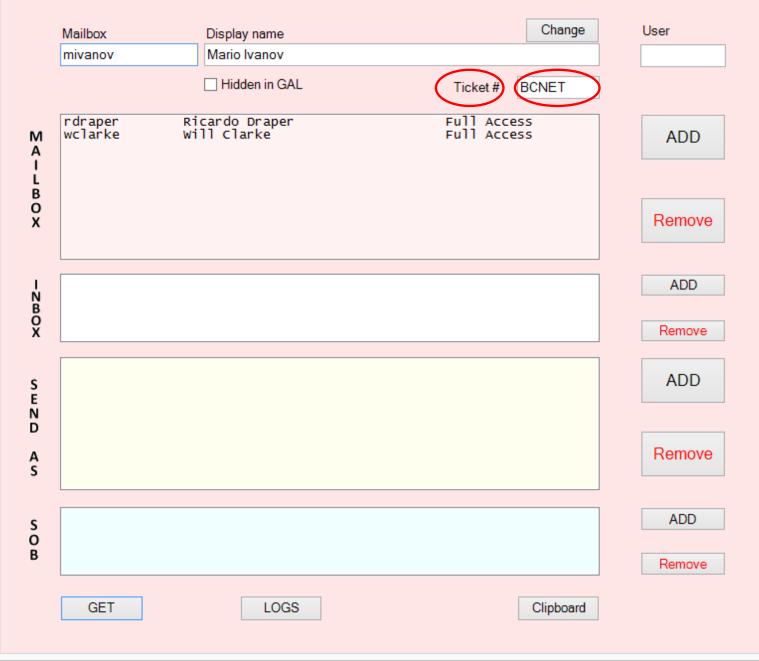
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mivanov is most certainly a primary address -- approval from the owner is required!



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Set Mailbox permissions for Exchange admins

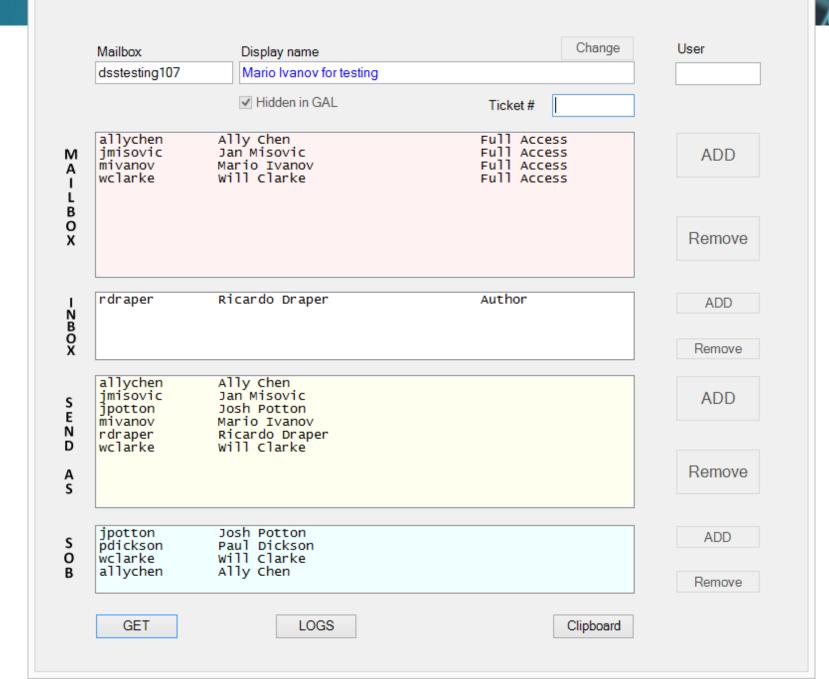
□ ×

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mivanov is most certainly a primary address -- approval from the owner is required!

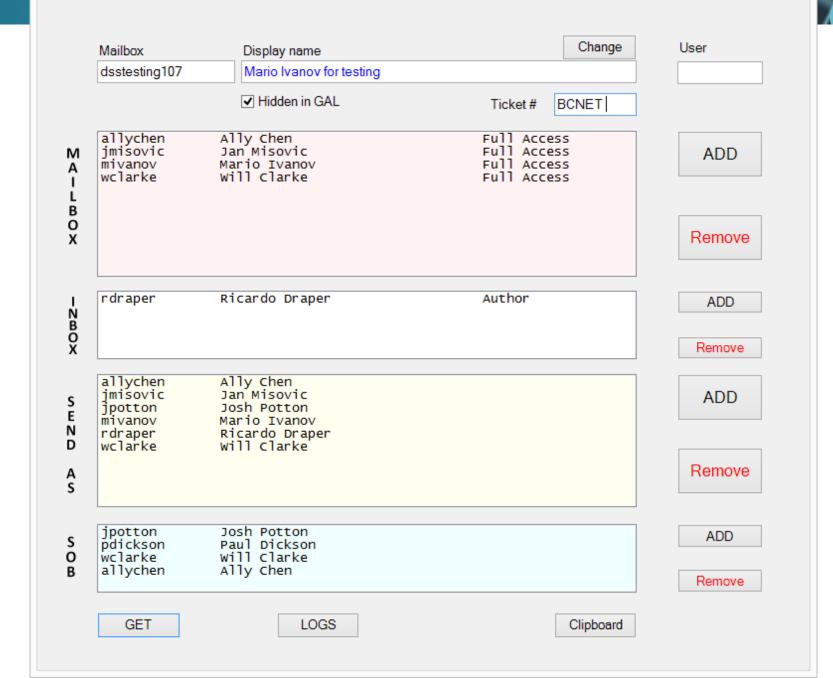
	Mailbox	Display name		Change	User
	mivanov	Mario Ivanov			
		Hidden in GAL	Ticket #		
MAILBOX					ADD
O X					Remove
- NBOX					ADD
о х					Remove
S E N D					ADD
A S					Remove
S O B					ADD
2					Remove
	GET	LOGS		Clipboard	

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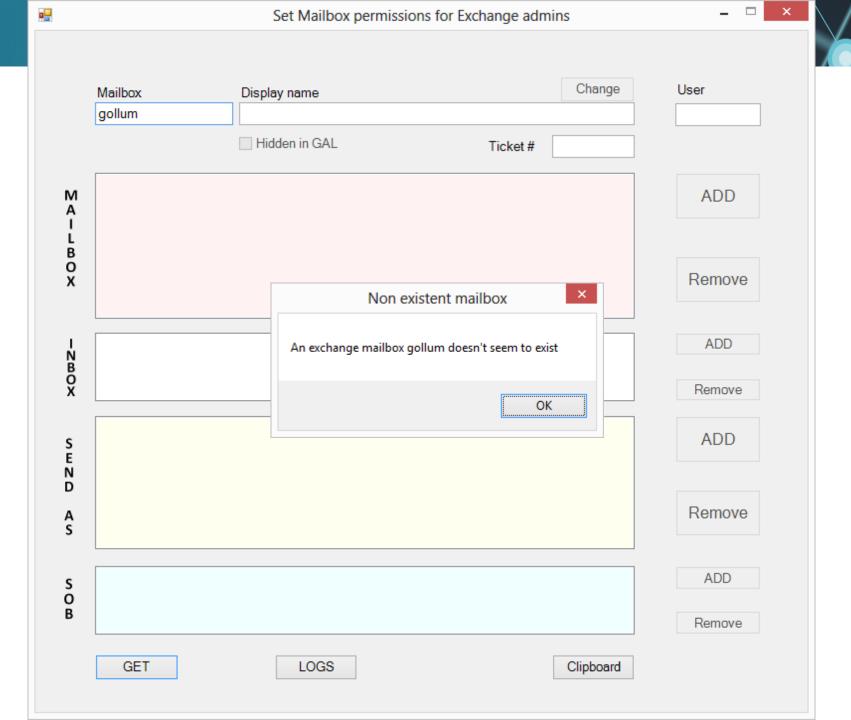


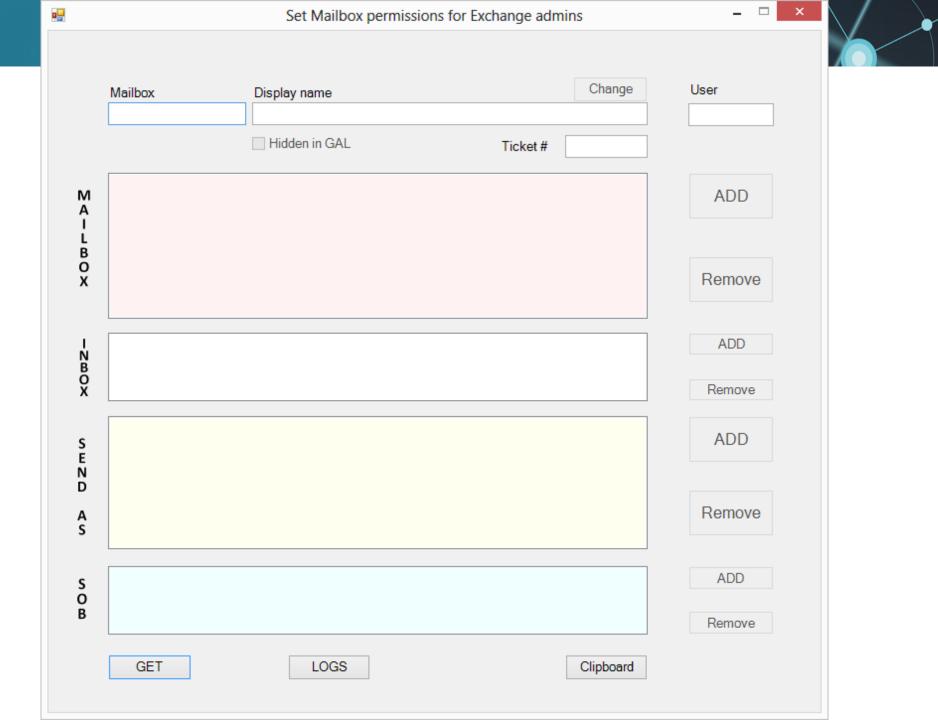
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Example

This example returns all the mailboxes that resolve from the ambiguous name resolution search on the string "Chr". This example returns mailboxes for users such as Chris Ashton, Christian Hess, and Christa Geller.

Get-Mailbox -Anr Chr

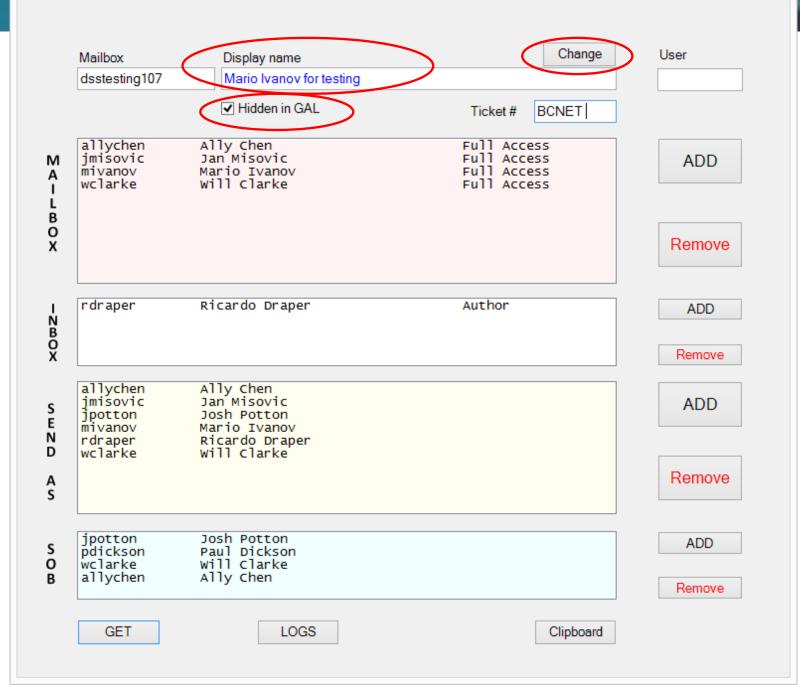
🚨 Exchange mailbox 'josh' doesn't exist. If ... 😑 🗖



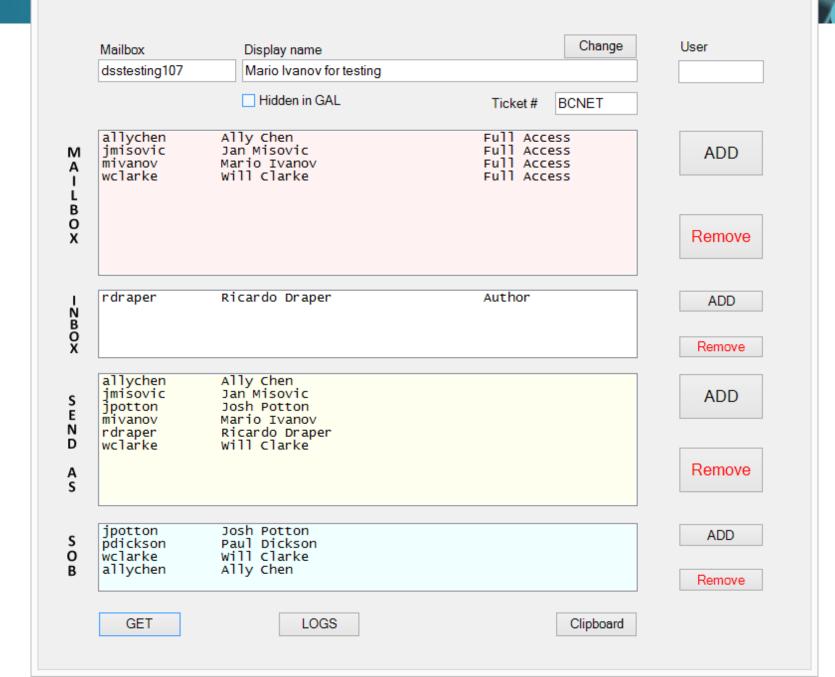
 \sim

Filter

NetlinkID	Display Name	Phone	
User01	First Last01	1133	
User02	Josh Last02		
User03	First Last03	9999	
User04	First Josh04		
User05	First Last05	1333	
User06	First Last06		
User07	First Last07	2222	
User08	Josh Potton	1111	
User09	First Last09		
User10	First Last10		
User11	First Last11	5555	
User12	First Last12		
User13	First Last13	4444	
User14	First Last14	3322	
User15	First Last15		
User16	First Last16		
User17	First Last17		
User18	First Last18	1818	



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Frequent request:

Please grant user1 Full Access and Send-As permission on the following mailboxes: Mailbox1 Mailbox2 Mailbox3 Mailbox4 Mailbox5 Mailbox6 and remove user2 having any access on the above.

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User Mailbox - Windows Internet Explorer

Attps://

Mario Ivanov for testing

general

mailbox usage contact information

organization

email address

mailbox features

member of

MailTip

mailbox delegation



The Send As permission allows a delegate to send email from this mailbox. The message will appear to have been sent by the mailbox owner.

+ -

DISPLAY NAME

Mario Ivanov

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+ -

DISPLAY NAME
Ally Chen

Full Access

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+ -

DISPLAY NAME	
Ally Chen	~
Exchange Domain Servers	
Exchange Servers	,
Exchange Trusted Subsystem	

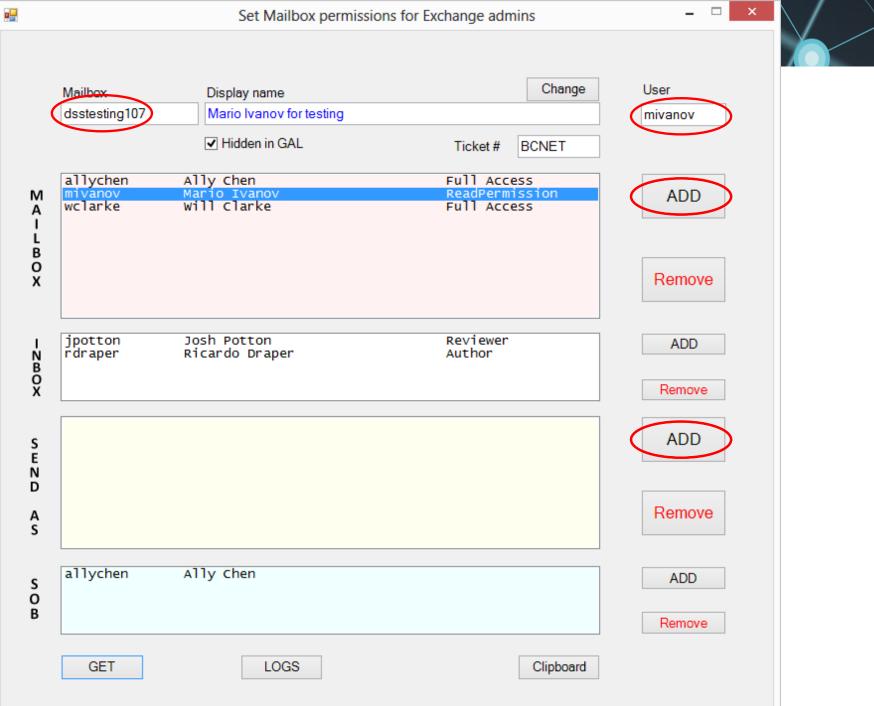
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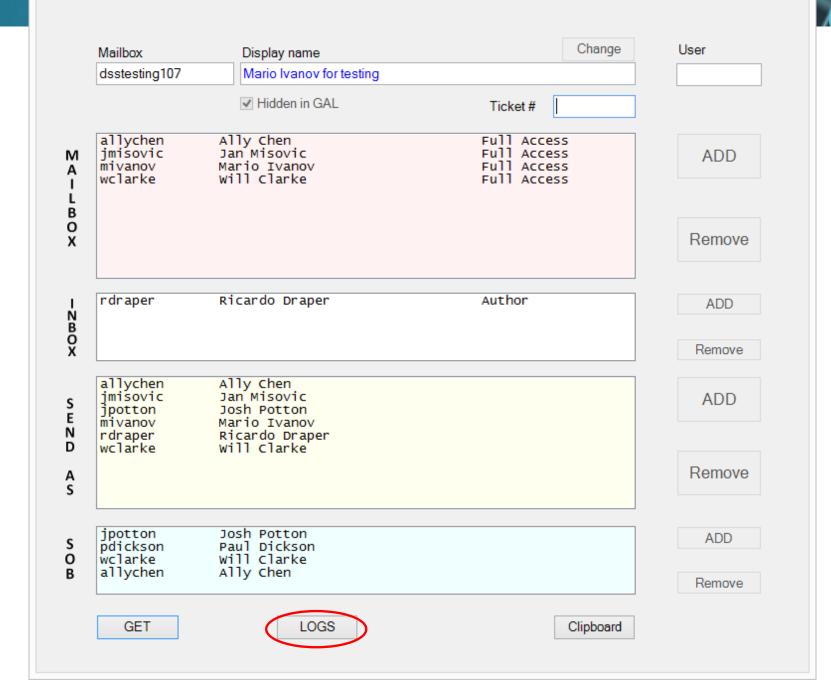
🔍 100% 🛛 🔻

cancel

save



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LOGS - Mark rows and click OK to copy to the clipboard

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+	Add	criteria	-

Filter

date	mailbox	user	mode	ticket	
2/21/2018 2:23 PM	dsstesting107	pdickson	Send on behalf ADD	BCNET	
2/21/2018 2:23 PM	dsstesting107	wclarke	Send on behalf ADD	BCNET	
2/21/2018 2:23 PM	dsstesting107	rdraper	Send on behalf ADD	BCNET	
2/21/2018 2:24 PM	dsstesting107	jpotton	Send on behalf ADD	BCNET	
2/21/2018 2:24 PM	dsstesting107	jmisovic	Full Access ADD	BCNET	
2/21/2018 2:24 PM	dsstesting107	distant	Full Access ADD	BCNET	
2/21/2018 2:24 PM	dsstesting107	(21)	Full Access ADD	BCNET	
2/21/2018 2:24 PM	dsstesting107	aprill .	Full Access ADD	BCNET	
2/21/2018 2:24 PM	dsstesting107	60	Full Access ADD	BCNET	
2/21/2018 2:25 PM	dsstesting107	helpdesk	Full Access ADD	BCNET	
2/21/2018 2:25 PM	dsstesting107	davidh	Full Access ADD	BCNET	
2/21/2018 2:26 PM	dsstesting107	0000	Send as ADD	BCNET	
2/21/2018 2:26 PM	dsstesting107	rdraper	Send as ADD	BCNET	
2/21/2018 2:26 PM	dsstesting107	wclarke	Send as ADD	BCNET	
2/21/2018 2:27 PM	dsstesting107	jpotton	Send as ADD	BCNET	
2/21/2018 2:27 PM	dsstesting107	jmisovic	Send as ADD	BCNET	
2/21/2018 2:27 PM	dsstesting107	distruct	Send as ADD	BCNET	
2/21/2018 2:27 PM	dsstesting107	april 1	Send as ADD	BCNET	
2/21/2018 2:27 PM	dsstesting107	allychen	Send as ADD	BCNET	
2/21/2018 2:28 PM	dsstesting107	Sector 1	Send as ADD	BCNET	
2/21/2018 2:28 PM	dsstesting107	Geridh	Full Access REMOVE	BCNET	
2/21/2018 2:29 PM	dsstesting107	dia internet	Full Access REMOVE	BCNET	
2/21/2018 2:29 PM	dsstesting107	-	Full Access REMOVE	BCNET	
2/21/2018 2:29 PM	dsstesting107	distant.	Full Access REMOVE	BCNET	
2/21/2018 2:29 PM	dsstesting107	helpdesk	Full Access REMOVE	BCNET	
2/21/2018 2:39 PM	mivanov	rdraper	Full Access ADD	BCNET	
2/21/2018 2:39 PM	mivanov	wclarke	Full Access ADD	BCNET	

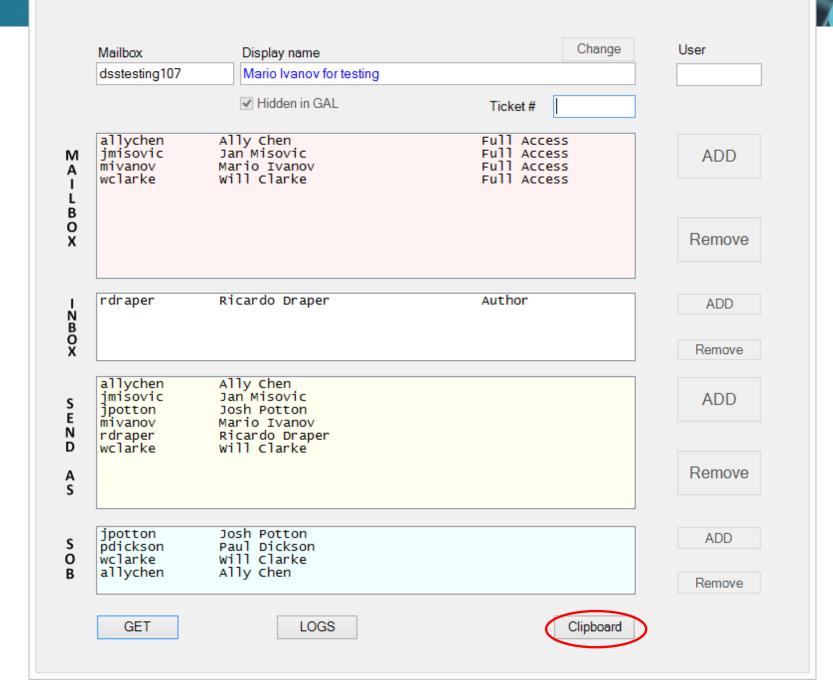


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No MailTips ap	pply. <u>m</u> ▼ mivano <u></u> □ <u>UVia</u> □	ov@uvic.ca : Computer Help Desk		Names	Inclu	de Tag	gs 🖬	 ^
Fron Send <u>Send</u> <u>Cc.</u> Subject	<u>m</u> ▼ mivano □ <u>UVia</u> □	: Computer Help Desk	5 					
The fol		•						
mailbox	_	Setting	ons wer		l/remove	a.		
dsstest	ing107	Send as		- r	 rdraper			
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File Message Insert Options Format Text Review Q Tell me...

	rom - mivanov@uvic.ca	
	 To	
Send		
	Cc	
Subj	ject	
	Permissions on DSSTESTING107 name: Mario Ivanov for testing	-
Display i	alle. Mar to Ivanov for cesting	
User	Access	
allychen	Full Access	
jmisovic	Full Access	
mivanov wclarke	Full Access Full Access	
Inbox per	misions	
TUDOX PEI		
User	Access	
 Ricardo D	praper Author	
	•	
Permissio	ons to send:	
User	Extended Rights	
allychen	Send-As	
jmisovic		
jpotton	Send-As	
mivanov rdraper	Send-As Send-As	
wclarke		
	ehalf permissions:	
Send on b		
jpotton		

```
634 function User-valid-message({name, $SoBflag) # decided to have two separate functions that validate the user and display messages.
635 {
636
        Sobjecttype = user-valid(Sname) # is the user a group, a netlinkid, a computer etc.
637
638
        if ($objecttype -eq "Exchange") {$Valid = $True}
639
640
        elseif ($objecttype -eq "group")
641
642
            $Valid = $True
643
            $ConfirmMsg = [System.Windows.Forms.MessageBox]::Show("Note that you are granting`n`rpermissions to the group:`r`n $name", "granting permissions to a group", 0)
644
645
        elseif ($objecttype -eq "NonExchange") {
646
            # we cannot set SoB to non-exchange users
            if ($SoBflag -eq $True)
647
648
                $Valid = $False
649
                $ConfirmMsg = [System.Windows.Forms.MessageBox]::Show(" $name is a non-Exchange account. Cannot grant SoB permissions", "Granting SoB permissions", 0)
650
651
652
            else { $Valid = $True }
653
654
        elseif (Sobjecttype -eq "Non Existent") {
655
            $Valid = $False
656
            Saliases = get-mailbox -an Second Second SilentlyContinue | select alias, displayname, Extensions | sort alias
                ft -auto alias, displayname, @{ Name = "Ext" ; Expression = { $___extensions[0] } } | Out-String
657
658
            if (Saliases){
                $message = "User mailbox " + """$name""" + " doesn't seem to exist`r`nCheck the following similar names:`r`n" + $aliases
659
660
            else { $message = "An exchange mailbox " + $name + " doesn't seem to exist" }
661
            $ConfirmMsg = [System.Windows.Forms.MessageBox]::Show($Message, "Non existent mailbox", 0)
662
663
664
        else
               { #wrong object - OU, computer etc
            $Valid = $False
665
666
            $ConfirmMsg = [System.Windows.Forms.MessageBox]::Show("$name is a $objecttype!!!`r`n`r`nNot a good idea to`r`ngrant permissions to!", "Wrong object", 0)
667
668
        return $Valid #True or False
669
670 }
671
672 function user-valid($user)
673 {
674
        #$user=$TextBoxUser.Text
675
        $UserOrGroup = Get-ADObject -filter 'samaccountname -like $user' #name->samaccountname in 2.93 works for ^ but not for earnbea
676
677
        if ($UserOrGroup.objectClass -eq "user")
678
679
            if (!(Get-Recipient $user -ErrorAction SilentlyContinue)) { $Valid = "NonExchange" }
680
            else { $Valid = "Exchange" }
681
682
        else
683
        { #not a user
684
            if ($UserOrGroup-eq $Null) { $Valid = "Non Existent" }
            elseif ($UserOrGroup.objectClass -ea "group") { $Valid = "group" }
685
```

Calendar permissions tool

Set Calendar permissions Mailbox User 100.000 Ticket # NetlinkID Display name Permissions second all and Brad Balls - Meterdle Facilititation Reviewer Permissions ٨ (Reprint Antigenetic antig Reviewer 1.461 (61) ReadItemsCreateIt anteril (Actin Theorem) 10044 Owner Reviewer 1 a f bag fi l PLANARDING IN AND INCOME. Reviewer The later blass O Publishing Editor Editor Tanan and These Editor HARD BE HARD TO BE Editor LimitedDetails 10100110001100 ALC: NO LOLD Reviewer ALC: NOT 10 2.0000111 ------Reviewer The second in the second 101102-011000 O Publishing Author 101-021-02104 AvailabilityOnly Terrore Constant The man find and the 444.465 Reviewer tini Penni Tanan Maria 2010/02/01 Author Reviewer terilly entroys ترويبا البتورد Reviewer a Naditi an 411111.00 10 and 1 Contributor Reviewer 101-01-02-0111 sailie distant Reviewer 110.05100000 sector fills in an income Reviewer Reviewer ALL ADDRESS OF A DESCRIPTION OF A DESCRI 10010000 server warmen with a server with the Editor 640 - Barris Hear age Meanifeart, Hearteagear, which H Owner O None distinguistion and Editor < ъ Clipboard GET REMOVE SET HELP LOGS

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Ma	ilbox		User	
dsstesting107		Ticket # BCNET	wclarke	
NetlinkID	Display name	Permissions		
allychen jmisovic mivanov pdickson rdraper wclarke	Ally Chen Jan Misovic Mario Ivanov Paul Dickson Ricardo Draper Will Clarke	Author PublishingEditor Contributor Owner Editor Contributor	Permissions Owner Publishing Editor Editor Publishing Author Author Contributor Reviewer	
Delegates: allyo GET	hen, jpotton, pdickson, wclarke	Clipboard	None REMOVE	SET

Untitled - Notepad				
<u>File E</u> dit F <u>o</u> rmat <u>V</u> iev	v <u>H</u> elp			
CALENDAR PERM	ISSIONS on DSSTESTING107		^	
NetlinkID	Display Name	Permissions		
allychen jmisovic mivanov pdickson rdraper wclarke	Ally Chen Jan Misovic Mario Ivanov Paul Dickson Ricardo Draper Will Clarke	Author PublishingEditor Contributor Owner Editor Contributor	Ŧ	

Exchange Access Rights Explained

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Reviewer: The person can view events on your calendar only. They cannot make changes to your calendar. This is the permission level to select if you don't want to grant any write or change permissions to the other person.

Contributor: The person can ONLY add events to your calendar, but they cannot view, modify, or delete any events on your calendar.

Nonediting Author: The person can create events on your calendar and view your calendar, but they can't modify any events once they have been have placed on your calendar, and they can't delete any of your events.

Author: The person can create events on your calendar and view your calendar but cannot modify or delete any events that you have placed on your calendar. This person can modify or delete only the events they created on your calendar.

Publishing Author: This level of access provides the same permissions as Author but also allows the person to create subfolders.

Editor: The person can create, view, modify, and delete events on your calendar. This level of access effectively gives the person full read and write access to your calendar.

Publishing Editor: This level of access provides the same permissions as Editor but also allows the person to create subfolders.

Owner: The person can create, view, modify, and delete events on your calendar. As the folder owner this person will also have the ability to grant or change permissions for other people to this calendar.

Mai	box				User	
dsstesting107			Ticket #	BCNET	wclarke	
NetlinkID	Display n	iame	Permissio	ns		
allychen jmisovic mivanov	Ally Ch Jan Mis Mario I	en ovic vanov	Author Publish Contribu	ingEditor	Permissions	
pdickson rdraper wclarke	Paul Di	ckson Draper	Owner Editor Contribu		Owner Publishing Editor	
					⊖ Editor	
					O Publishing Author	
					 Contributor Reviewer 	
					○ None	
Delegates: allyc	hen, jpotton, pd	lickson, wclarke				
GET]		[Clipboard	REMOVE	SET
					HELP	LOG

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Set-MailboxFolderPermission -Identity dsstesting107:\calendar -User wclarke -AccessRights Editor

Existing permission is a requirement

Add-MailboxFolderPermission -Identity dsstesting107:\calendar -User wclarke -AccessRights Editor No Existing permission is a requirement

Set Calendar permissions

Mail	box				User	
dsstesting107		Ticket #	BCNET]	wclarke	
NetlinkID	Display name	Permissio	ns			
allychen jmisovic mivanov pdickson rdraper wclarke	Ally Chen Jan Misovic Mario Ivanov Paul Dickson Ricardo Draper Will Clarke	Author Publish Contribu Owner Existing perm You need to remove the existing per		ke first!	Permissions Owner Publishing Editor Editor Publishing Author Author Contributor Reviewer None	
	nen, jpotton, pdickson, wcl	arke	Cliphoard]	REMOVE	ert
GET			Clipboard		HELP	SET LOGS

1/2/2018 8:29 AM 1/2/2018 8:29 AM 1/2/2018 8:30 AM 1/2/2018 8:30 AM 1/2/2018 8:31 AM 1/2/2018 8:31 AM 1/2/2018 8:32 AM 1/2/2018 8:32 AM 1/2/2018 2:50 PM 1/2/2018 2:50 PM 1/2/2018 2:51 PM 1/2/2018 2:52 PM 1/2/2018 2:52 PM 1/2/2018 2:53 PM 1/2/2018 2:53 PM 1/2/2018 2:54 PM 1/2/2018 2:54 PM 1/2/2018 2:54 PM 1/2/2018 2:54 PM 1/2/2018 4:18 PM 1/2/2018 4:18 PM 1/2/2018 4:19 PM 1/2/2018 4:19 PM 1/2/2018 4:19 PM 1/2/2018 4:20 PM 1/2/2018 4:20 PM 1/2/2018 4:20 PM 1/2/2018 4:20 PM 1/2/2018 4:20 PM 1/2/2018 4:20 PM	wclarke wclarke wclarke wclarke wclarke wclarke wclarke jpotton mivanov mivanov mivanov mivanov mivanov mivanov mivanov mivanov mivanov mivanov mivanov mivanov mivanov mivanov mivanov mivanov mivanov	execprog execprog epiceord epiceord epiceord epiceord epiceord epiceord epiceord epiceord epiceord epiceord epiceord epiceord epiceord epiceord epiceord epiceord epiceord epiceord epiceord epiceord epiceord epiceord epiceord epiceord epiceord epiceord epiceord epiceord epiceord epiceord 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1/4/2018 10:16 AM	jpotton	educitean educreaca541	Set Editor	Sandeapr Sandeapr	rt837882
1/4/2018 10:18 AM	jpotton	BORACE COMM.	Remove None	Sandemor	RT837882
1/4/2018 10:18 AM	jpotton		Set Editor	Sandemor	RT837882
1/4/2018 4:17 PM	mivanov	expre	Remove Author	Trabeth	RT #839229
1/5/2018 9:01 AM	mivanov	orseast	Set Reviewer	martawal	839565

Unified voice messaging tool

Typical request example:

Please make ext. 8631 to forward to mailbox jpotton

ê	UM Mailbox - Internet Explorer	_ D X
jpotton • UM mailbox settings other extensions	UM dial plan: OnCampusLocals Extension number: 5665 PIN status:	Help
	Not locked out reset PIN *UM mailbox policy: OnCampusLo browse Personal operator extension: Image: Second content of the second co	
	feature that requires an Enterprise Client Access License (CAL). Learn save	cancel

_

Help

jpotton Enable UM mailbox

Select a UM mailbox policy for this mailbox.

*UM mailbox policy:

browse...

Unified Messaging is a premium feature that requires an Enterprise Client Access License (CAL). Learn more

Help

jpotton Enable UM mailbox

Specify an extension number and PIN settings for this user to access their mailbox in Outlook Voice Access.

×

*Extension number (number of digits: 4):

8631

*PIN settings:

Automatically generate a PIN

O Type a PIN (minimum length: 6):

Require the user to reset their PIN the first time they sign in

When you click Finish, UM sends an email message that contains the PIN and the access number for Outlook Voice Access to the user.

Unified Messaging is a premium feature that requires an Enterprise Client Access License (CAL). Learn more

back	finish	cancel



_

Help

jpotton Enable UM mailbox

Specify an extension number and PIN settings for this user to access their mailbox in Outlook Voice Ad

*Extension number

8631

*PIN settings:

error

Extension 8631 is already assigned to another user on dial plan OnCampusLocals or on an equivalent dial plan.

Click here for help...

Require the use

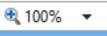
Automatically ge

Type a PIN (minii)

When you click Finis access number for (

Unified Messagir License (CAL). Learn more ok

back finish cancel



Get/Reset Unified	d Voice Messaging 🛛 💌
Extension 8631	Check
Mailbox: mivanov	Reset Pin
Display name: Mario Iva	nov
Department: SYST	
New Mailbox	
	Check
Unified VM:	Release
	< Ticket number
	Reset Forwarding
List file updated on: 03/08/2018 15:42:25	Refresh Cache
Hint: For a quick check of list date is not recent en- takes about 32 seconds numbers and update the	to query all phone

Get/Reset Unified Voice Messaging	x
Extension 8631 Check	
Mailbox: mivanov Reset Pin	
Display name: Mario Ivanov	
Department: SYST	
New Mailbox	
Check	
Unified VM: Release	
< Ticket number	
Reset Forwarding	
List file updated on: 03/08/2018 15:42:25 Cache	
Hint: For a quick check use the check button. If the list date is not recent enough, press refresh. It takes about 32 seconds to query all phone numbers and update the local cache file.	

Get/Reset Unified Voice Messaging	
Extension 8631 Check	
Mailbox: mivanov Reset Pin	
Display name: Mario Ivanov	
Department: SYST	
New Mailbox	Confirm please ×
ipotton Check Unified VM: 5665 Release < Ticket number	Remove forwarding 8631> mivanov and Remove forwarding 5665> jpotton and Set forwarding 8631> jpotton
Reset Forwarding	OK Cancel
List file updated on: 03/08/2018 15:42:25 Hint: For a quick check use the check button. If the list date is not recent enough, press refresh. It takes about 32 seconds to query all phone numbers and update the local cache file.	

Get/Reset Unified Voice Messaging		
Extension 8631	Check	
Mailbox: mivanov Display name: Mario Ivanov Department: SYST	Reset Pin	
New Mailbox ipotton Unified VM: 5665	Check Release	
WAIT	Ticket number set Forwarding	
List file updated on: 03/08/2018 15:42:25 Hint: For a quick check use the list date is not recent enough, pr takes about 32 seconds to query numbers and update the local ca	ess refresh. It / all phone	

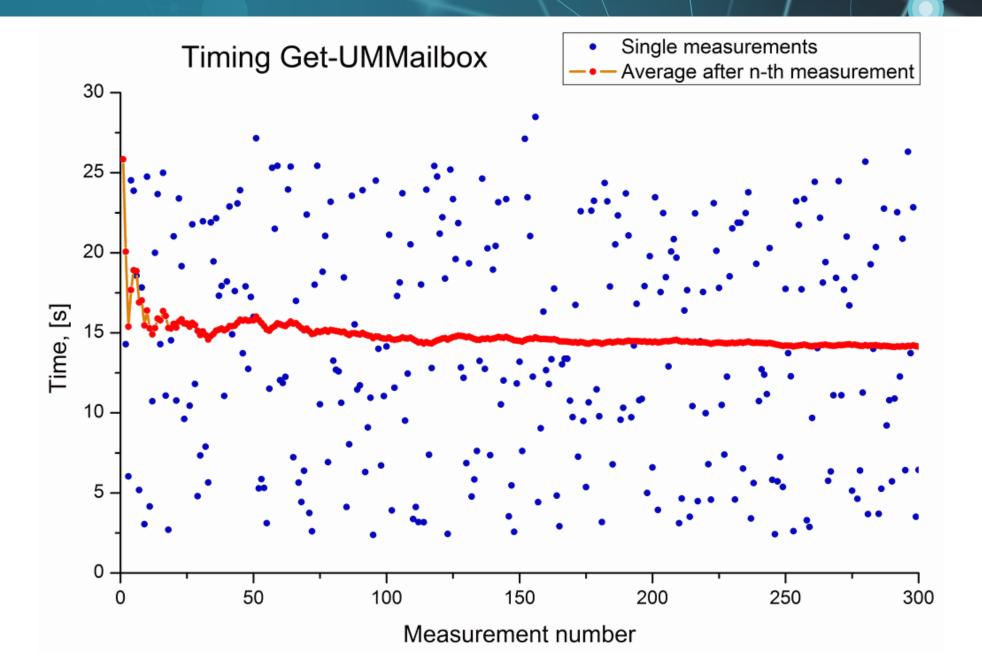
Get/Reset Unified Voi	ce Messaging 🛛 💌
Extension	Check
Mailbox:	Reset Pin
Display name:	
Department:	
New Mailbox	
ipotton	Check
Unified VM: 8631	Release
	< Ticket number
R	eset Forwarding
List file updated on: 03/08/2018 15:42:25	Refresh Cache
Hint: For a quick check use the list date is not recent enough, p takes about 32 seconds to que numbers and update the local o	oress refresh. It ry all phone

Get/Reset Unified Voice Messaging	x
Extension 8631 Check	
Mailbox: mivanov Reset Pin	
Display name: Mario Ivanov	
Department: SYST	
New Mailbox	Voice only box
Unified VM: Release	The temporary pin for the voice-only mailbox VM8631 was copied to the clipboard so that you can email it to the client.
< Ticket number	ОК
Reset Forwarding	
List file updated on: 03/08/2018 15:42:25 Refresh Cache	
Hint: For a quick check use the check button. If the list date is not recent enough, press refresh. It takes about 32 seconds to query all phone numbers and update the local cache file.	

Get-UMMailbox -ResultSize Unlimited | where {\$_.Extensions -like \$phone}

Get-UMMailbox -ResultSize Unlimited | where { if(\$_.Extensions –like \$phone){\$line=\$_;break}}

\$dummyArr=@(1)
foreach (\$dummyelement in \$dummyArr) {
 get-ummailbox -ResultSize Unlimited |where { if(\$_.Extensions -like \$phone){\$line=\$_;break} }
}



Get/Reset Unified Voice Messaging	Get/Reset Unified Voice Messaging
Extension 8631 Check	Extension 8631 Check
Reset Pin	Mailbox: mivanov Reset Pin
Checking Be patient!	Display name: Mario Ivanov
	Department: SYST
New Mailbox Check	New Mailbox Check
Release	Release
< Ticket number	< Ticket number
Reset Forwarding	Reset Forwarding
A realtime version, no cache	A realtime version, no cache

Set out of office message tool

Set Vacation Message for Exchange admins 💶 🗖 🗙
Out of office message enabled GET SAVE
Internal recipients
External recipients
Hint: If you add HTML code, strip the <html>, <body> and > tags. HELP They will be added automatically when you click "SAVE"</body></html>

🖳 Set Vacation Message for Exchange admins 💻 🗖 🗙
Out of office message enabled dsstesting 107 GET SAVE
Internal recipients
External recipients
Hint: If you add HTML code, strip the <html>, <body> and > tags. HELP They will be added automatically when you click "SAVE"</body></html>

Help

This is not a full featured

out-of-office message editor.

Do not try to edit any existing

Enabling the out-of-office message

"Save" stores and enables the listed

OK

messages and executes "Get"

by the check box works instantly -

html messages - the results might be dissapointing.

Use simple text instead.

no need to save.

х

Out of office message enabled GET dsstesting107 SAVE Internal recipients I am presenting at the BCNET conference in Vancouver these days. Call my cell in case of urgency. External recipients I am away until Friday. Please call Jan at 250-21-6394 if you need immediate assistance.

Set Vacation Message for Exchange admins

•

Hint: If you add HTML code, strip the <html>, <body> and
> tags. They will be added automatically when you click "SAVE"

<html> <body>

-

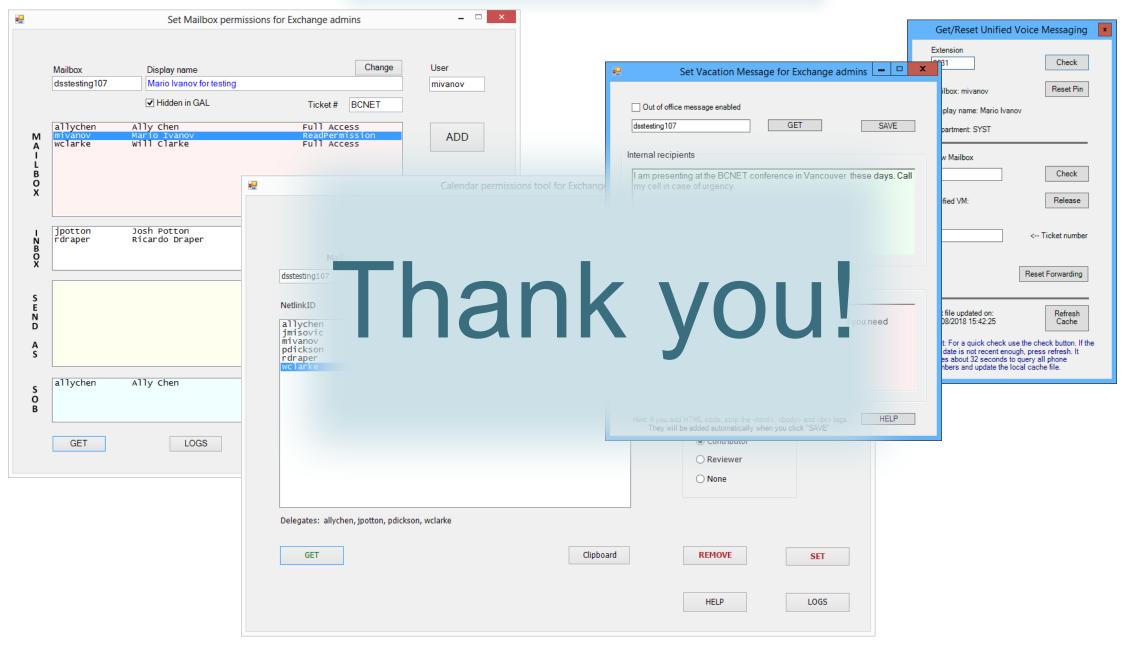
HELP

х

</body> </html>

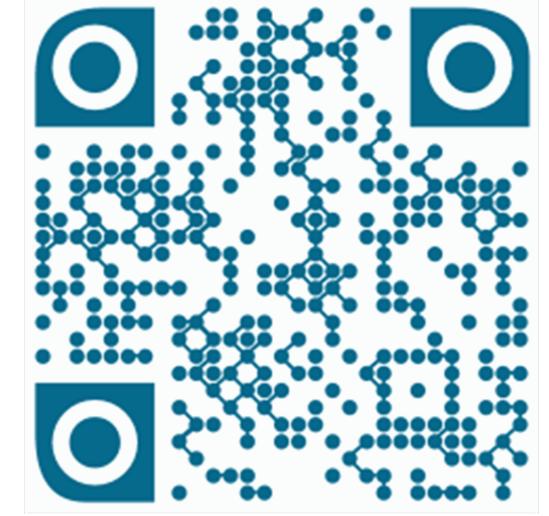
	Set Vacation Message for Exchange admins 🗕 🗖 🗙
Out of off	fice message enabled
dsstesting10	07 GET SAVE
Internal reci	ipients
	enting at the BCNET conference in Vancouver these days. Call case of urgency.
1	
External rec	cipients
	y until Friday. Please call Jan at 250- 21-6394 if you need e assistance.
	add HTML code, strip the <html>, <body> and tags. HELP vill be added automatically when you click "SAVE"</body></html>

SUMMARY





The presentation can be downloaded from here



http://web.uvic.ca/~mivanov/BCNET/