M-Switch X.400 Evaluation Guide

Configuring R19.0 release of Isode's X.400 Messaging Servers on Windows and Linux Platforms for use as an X.400 Messaging System that could be used in both EDI and Aviation Solutions.

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Introduction

This guide is intended to give the reader basic information on how to configure Isode's M-Switch, M-Vault and M-Store X.400 Server Products. These Products combine to create an X.400 Messaging Solution. You will also use Isode's XUXA X.400 User Agent to test the system.

More information on these products can be found at the URLs below.

https://www.isode.com/product/x-400-message-switch/ https://www.isode.com/product/x-400-message-store/

www.isode.com/product/ldap-x-500-directory/

Objectives

In this guide you will be shown how to configure the X.400 PRMD "/P=X400/A=Isode/C=GB/ and to configure connections to other X.400 MTAs.

The diagram below gives an overview of this setup.

System Overview



By the end of this guide you will have:

- 1. Installed the M-Switch, M-Vault, and M-Store X.400 products.
- 2. Configured M-Switch and M-Vault using M-Console.
- 3. Provisioned Users using M-Console.
- 4. Configured XUXA to connect to these Users.
- 5. Logged in using XUXA and sent Messages between Local X.400 Users
- 6. Created a connection to an external X.400 MTA server (M-Switch MIXER).

For the purposes of this evaluation, we have assumed this is a "clean" installation of the Isode Software on to a physical or virtual machine. If you have previously installed the Isode Software on the hardware or VM you are using for this evaluation, please make sure you have completely uninstalled that version and any configurations before proceeding.

This guide is part of a set of three Guides; M-Switch SMTP, M-Switch MIXER and M-Switch X.400 and they connect to each other as below.



M-Switch SMTP, M-Switch MIXER & M-Switch X.400



Using Isode Support

You will be given access to Isode support resources when carrying out your evaluation. Any queries you have during your evaluation should be sent to *isode.support@isode.com*. Please note that access to the Self-Service Portal for web-based ticket submission and tracking is not available to evaluators.

Preparing the Server Environment

You should visit *https://www.isode.com/support/platform-support/* to discover which operating systems are supported for Isode evaluations.

Naming the Server

In this eval guide the machine name is: ISODE-X400-EVAL In this eval guide there is no dns suffix for the server. Alternatively, you may use your own names or add dns entries in a dns server or hosts file.

Install the Isode Software

Follow the instructions in the release notes for the appropriate platform for the products. For this guide, the following products were used:

M-Switch 19.0v21 M-Vault 19.0v21 M-Store X.400 19.0v21 MAS 1.1

On Windows, select the default install options when executing the installer for the Isode Products.

Remember to install an appropriate java runtime engine (refer to product release notes) and in a Windows environment the visual c++ redistributable package.

On Linux, install all the RPMs with the command:

sudo rpm -i ISD*.rpm

Please use a supported web browser as documented in the product release notes.

Activating the Isode Products

The Isode Products are Activated using the Isode Messaging Activation Server (MAS). You should refer to the MAS Evaluation Guide for how to Activate the Products.

Creating the Messaging Configuration

Running the M-Console Configuration Wizard

In this chapter we will create the Messaging Configuration, which is held in M-Vault, and use M-Console to do this.

To start M-Console on Windows from the Windows Start Menu; Windows \rightarrow Isode 19.0 \rightarrow M-Console

Start M-Console



On Linux type the command:

/opt/isode/isode/bin/mconsole

You will see the following prompt.

Encrypt the Bind Profile



Click "Yes"

Enter Bind Profile Passphrase

Enter Profile passpl	nrase	×
Please enter a Pro and means that ye run Sodium, M-Va	file passphrase. This will be used to encr ou will be prompted for this passphrase ault Console, MConsole or M-Link Cons	rypt all of the passwords, from now on whenever you sole.
Passphrase: Verify Passphrase:		
		OK Cancel

Enter your chosen passphrase, for evaluations we suggest "secret" so that if you need Isode Support we do not have to fix forgotten passwords etc.

Bind Profile Passphrase Entered

Enter Profile passph	rase X
Please enter a Prof and means that yo run Sodium, M-Va	ile passphrase. This will be used to encrypt all of the passwords, ou will be prompted for this passphrase from now on whenever you ult Console, MConsole or M-Link Console.
Passphrase:	•••••
Verify Passphrase:	•••••
	OK Cancel

Click "OK"

Bind Profile Encrypted

Bind profile file encrypted	×
The bind profile file has been encrypted OK	

Click "OK"

M-Console Welcome Screen

MConsole (Welcome to Message Console)	_		×
File Window View Help			
Welcome to Message Console ×			
Welcome to Message Console			^
If you see this screen, then you may be running MConsole for the first time on this computer.			
The Messaging Configuration is held in a Directory Server (DSA).			
If you wish to set up a DSA and a complete new Messaging Configuration on this computer, choose the "Create a n Messaging Configuration" option.	ew DSA a	and	
If you wish to create a Messaging Configuration using a DSA which is already running on another computer choose Messaging Configuration" option.	the "Cre	ate a nev	v
The other options are for management of existing Messaging Configurations, and can also be accessed from the Vi	ew menu		
Create a new DSA and Messaging Configuration			
Connect to an existing Messaging Configuration Open your default Messaging Configur	ation (if a	any)	
Monitor existing Message Switches Monitor existing X.400 Message Stores			
Track messages List quarantined messages			~
		0	Help

Select "Create a new DSA and Messaging Configuration.

Enter a User Name

Choose the Initial Directory User's Name	×
Choose the Initial Directory User's Name	
You must provide the name of the person who will be set up as the initial manager of the Directory and I configuration, and will also be able to connect to the Queue Manager via SOM for management and monitoring purposes. You will be able to add extra managers with more restricted rights once the Messa Configuration has been set up.	MTA
User name	
OK Cancel	

Typically, we use "Messaging Admin" here, but you can choose your own if you wish.

User Name Entered

Choose the Initial Directory User's Name

×

Choose the Initial Directory User's Name

You must provide the name of the person who will be set up as the initial manager of the Directory and MTA configuration, and will also be able to connect to the Queue Manager via SOM for management and monitoring purposes. You will be able to add extra managers with more restricted rights once the Messaging Configuration has been set up.

User name	Messaging Admin
	OK Cancel

Enter your User Name and Click "OK".

Enter Base DN

Create Directory Server	_		×
DIT structure configuration			
Adjust the DNs provided by the template to suit your requirements			
Base DN			
o=messaging			
Initial Directory User: This user is put into all the initial groups, and the bi bind as this user. Afterwards you can create more users and change whi which roles. You should change the common name to a suitable value fo	nd prof ch user or a rea	file created s are put ir l person.	will
cn=Messaging Admin, cn=Users, o=messaging			
< Back Next > Finish	6	Cano	el

Enter the Base "Distinguished Name" (DN) for your directory server. You can use the default or choose one of your own.

Base DN entered						
Create Directory Serve	er					×
DIT structure config	uration					
Adjust the DNs provided	by the template	to suit your requir	ements			
Base DN						
o=X400						
Initial Directory User: Th bind as this user. Afterv which roles. You should	is user is put into vards you can cre change the com	all the initial group ate more users and mon name to a sui	os, and the bind I change which table value for	l profile users a a real pe	created v re put in erson.	will
cn=Messaging Admin,	cn=Users,o=X400	D				
	< Back	Next >	Finish		Cance	ł

In this guide we have changed the Base DN to "X400". Click Next>"

Enter Password						
Create Directory Server						\times
Password configuration	n					
Passwords are auto-genera	ted, but can be	modified here if re	quired			
Initial Directory User: cn=N Password:	lessaging Adm	in, cn=Users, o=X40	0		SH	IOW
	1	Copy password to	clipboard	Save p	assword to	file
Record user authenticat	ion times (auth	Timestamps)				
Password Hashing						
Hashed passwords are me mechanisms other than P	ore secure, but LAIN, LOGIN a	are not compatible nd SCRAM-SHA-1.	with passw	ord-base	ed SASL	
Note that while non-hash passwords are NOT recov	ed passwords i erable.	may be recovered f	rom the DSA	databa	se, hashed	
Hash all passwords usi	ng SCRAM-SH	A-1				
	< Back	Next >	Finish		Cance	:

The GUI will auto-create a Password for the initial directory user – but you can change this to one of your own. In this guide we will use "secret".

Password ent	tered					
Create Direc	tory Server	r.				×
Password co	onfigurat	ion				
Passwords are	auto-gene	rated, but can be	modified here if required			
Initial Directory	/ User: cn=	Messaging Adm	in, cn=Users, o=X400			
Password: s	ecret				S⊦	ow
			Copy password to clipboard	Save pas	sword to	file
Record user	authentic	ation times (auth	Timestamps)			
Password Ha	shing					
Hashed passy mechanisms Note that wh	words are r other than ile non-ha	nore secure, but PLAIN, LOGIN a shed passwords i	are not compatible with passw nd SCRAM-SHA-1. may be recovered from the DS/	ord-based A database,	SASL hashed	I
passwords are	e NOT reco	verable.				
Hash all p	asswords u	ising SCRAM-SH	A-1			
		< Back	Next > Finish		Cance	ł

Always check the password you have entered by checking the "Show" checkbox, then click "Next>".

Bind Profile Summary

Create Directory Serv	er			-		×
Bind Profile Names	and Filesyste	m Location				
Use the suggested value	es, or enter your ow	'n				
Management bind profil	e name: Used to m	anage the DSA in N	M-Vault Console			
cn=dsa,o=X400 / Messa	aging Admin					
The folder which will cor created in order to initial	ntain the directory ize the DSA):	server's database a	nd configuration	(this f	older w	ill be
C:\lsode\d3-db					Br	owse
	< Back	Next >	Finish		Cance	1

Click "Next>".

Directory Server Sum	imary				
Create Directory Serve	er		-		×
Address Configurati	on				
Enter the server hostnam	ne / IP address an	d ports to listen on			
Enter the server nostion		a porto to instanto			
Hostname: ISODE-X400	-EVAL				
Enable:					
LDAP DAP					
Port numbers:					
O Standards, no mes	saging: 389 / 102				
O Standards with me	essaging: 389 / 19	999			
Isode default: 1938	89 / 19999				
O Alternate 2: 29389	/ 29999				
O Alternate 3: 39389	/ 39999				
O Alternate 4: 49389	/ 49999				
O Alternate 5: 59389	/ 59999				
Advanced Editor				Recheck	Ports
	< Back	Next >	Finish	Canc	el
Directory Server Con	figuration Co	nfirmation	_		×
Confirm Dotoilo					~
Comm Details	afara areating th	- DCA			
Check the details below i	before creating th	e DSA			
DSA creation template:	Marcaging Evalu	ations			~
DSA addresses	wessaging Evalu	ations			
Host ISODE-X400-EV	AL, X.500 on port	19999, LDAP on po	rt 19389		
DSA name:					
Bind profile name:					
cn=dsa,o=X400 / Me	ssaging Admin				
SCRAM-SHA-1					
					~
					~
	< Back	Next >	Finish	Cancel	~

Click "Finish".

You will see the following - wait.

Directory Server Creation and Starting

Background Task Progress	×
Creating and starting DSA	
	Abort

You will then see the following screen.

Product Activation Summary		
Create a new MHS configuration -		×
Product Activation		
The Product Activation information on this system is shown here.		
Product Activation information: M-Switch is activated, Product is "M-Switch X.400	r.	
Activated subfeatures are: TLS, x400		
The remainder of this Messaging Configuration wizard will create a configuration a M-Switch X.400	ppropriat	e for
If this is incorrect, contact support@isode.com for a suitable Product Activation Ke	ey.	
< Back Next > Finish	Cance	ł

Click "Next>".

Colorately a set of some days	Configuration	Base DN				
created	vnich a Wiessaging	Configuration ent	ry will be			
> o=X400						
				rovided	will be	
If you provide an organ	ization name, an	entry for the organi	zation name pi			
If you provide an organ created automatically u	ization name, an Inder the entry yo	entry for the organi u select.	zation name pi			
If you provide an organ created automatically u Create organization	ization name, an Inder the entry yo name	entry for the organi u select.	zation name pi			
If you provide an organ created automatically u Create organization Messaging configuratio	ization name, an Inder the entry yo name	entry for the organi u select.	zation name pi			
If you provide an organ created automatically u Create organization Messaging configuratic Messaging Configurat	ization name, an inder the entry yo name on name ion	entry for the organi u select.	zation name pi			
If you provide an organ created automatically u Create organization Messaging configuratio Messaging Configurat Base DN: o=X400	ization name, an é inder the entry yo name on name ion	entry for the organi u select.	zation name pi			
If you provide an organ created automatically u Create organization Messaging configuratio Messaging Configurat Base DN: o=X400 MHS DN: cn=Messaging	ization name, an i inder the entry yo name on name ion	entry for the organi u select. =X400	zation name pi			

You should select the top entry, o=X400 in this example.

Set the Messaging Configuration Base DN

Create a new MHS cont	figur	ation										×
Set the Messaging Co	onfi	guratio	on B	ase	DN							
Select the entry under whi created	ch a	Messag	ging C	Config	uratio	n entr	y wi	ll be				
> o=X400												
If you provide an organiza created automatically und	tion ler th	name, a ne entry	an en	try for	r the o	rganiz	atio	n nam	ie pro	vided	will be	
Create organization na	me											
Messaging configuration	nam	e										
Messaging Configuration	n											
Base DN: o=X400 MHS DN: cn=Messaging C	onfig	guration	n,o=X	400								
[< Back		N	lext >			Finis	;h		Can	cel

Click "Next>".

Set the Hostr	name						
Create a new	MHS config	uration			_		×
Hostname							
The hostname w addresses	ill be used, a	among other	things, to set	the network			
Hostname							
Enter the fully qu For example, mai	alified host I.isode.com	name of the . If not possil	machine that ble, then use t	will be runnin ne host name	ng this server. e.		
ISODE-X400-EVA	L						
DSA Authenticati	••••••						Show
		< Back	Next >	F	inish	Canc	el

This should display the Hostname of your server, if it does not change it to the Hostname of your Server. Do not change the SASL Password. Click "Next>".

Administrator details

Create a new MHS con	figuration						×
Administrator authen	tication detai	ls					
Configure the authenticat of MTAs within this config	tion information guration	to be used by add	minis	trators			
This information will be ne the Switch Operations View the Event Viewer.	eeded to connect w, Switch Config	to the QMGR wit uration view (for	th aut Outbo	henticati ound Cor	on, and v nnection	vill be us Testing) a	ed by and
Admin Users Parent DN							
The location benea	ath which new Ac	dmin Users will be	e crea	ted			
Parent DN cn=Us	ers,o=X400					Pic	:k
• Use existing SASL Id							
user name mess	aging.admin@IS	DDE-X400-EVAL				Sel	lect
○ Create new SASL Id							
Admin user name	mtaAdmin		@ sa	sl.ISODE	-X400-EV	AL	
Admin password						Sho	w
[< Back	Next >		Finish		Cance	ł

You should not have to make any changes here. Click "Next>".

X.400 Configuration
Create a new MHS configuration - 🛛 🗙
X.400 configuration
Enter the O/R Address prefix to be the local O/R Address space for this MTA
X.400 Address Prefix
ISO 3166 Country Code
Single Space ADMD Missing PRMD
Organization
0U1 0U2
OU3 OU4
 Create an X.400 Message Store for local P7 users Create a legacy X.400 Message Store Do not create an X.400 Message Store
< Back Next > Finish Cancel

You now need to set your X.400 Address Space - /P=X400/A=Isode/C=GB/ in our example.

X.400 Configuration	1
---------------------	---

Create a new MHS co	nfiguration					×
X.400 configuration						
Enter the O/R Address pr MTA	efix to be the local	O/R Address spac	e for this			
X.400 Address Prefix						
ISO 3166 Count	try Code GB Un	ited Kingdom 🔠				
Single Space	ADMD Isode	Mis:	sing PRMD	(400		
Organization						
OU1		OU2				
OU3		OU4				
 Create an X.400 Mess. Create a legacy X.400 Do not create an X.40 	age Store for local I Message Store 0 Message Store	97 users				
	< Back	Next >	Finish		Cancel	

Enter the details and leave "Create and X.400 Message Store for local P7 Users" Checked. Click "Next>".

Service File Creation					
Create a new MHS con	nfiguration		-		×
Service File Creation	n				
Create default configurat	tion files to enable	e service startup			
This file allows the MTA t	o connect to the	DSA, and downlo	ad its configuration		
Create mtaboot.xml 🗹	C:\lsode\etc\swi	itch\mtaboot.xml		Bro	owse
M-Store-X400 uses the p	umicetailor file to	store its configur	ation		
Create pumicetailor	C:\lsode\etc\pur	nicetailor.xml		Bro	owse
	< Back	Next >	Finish	Cance	21
Click "Finish".					
Service File Creation					
Create Isode Services					×
Create Isode Service	es				
Select the services from the	he service groups	that you want to c	reate		
M-Vault M-Switch M-Store Audit Database	- M-Vault	M-Vault Directory	Server		
			Finish	Cancel	

Click "Finish".

Switch Configuration Management

MConsole (Switch Configuratio	n Management): messaging.admin@ISODE-X400-EVAL	-		×
File Window View Messaging	Operations Help			
 Welconie to Message Console Routing Trees Main Routing Tree Message Transfer Agents ISODE-X400-EVAL External Message Transfer A X.400 Message Stores Main Message Store 	A Routing Tree defines a hierarchy of internet domains and X.400 addresses wit organization, and represents the registration of MTAs within the address names The MTA uses Routing Trees to determine how to route addresses. Routing Tree X.400 or both. A MIXER Internet/ X.400 tree would normally have two branches, protocol. Normally, there will be one Routing Tree per messaging configuration, and this by all the objects in the configuration which need access to routing informatio The purpose of routing is to determine for messages and recipients * next-hop MTA (or local delivery) * the local channel to be used for that MTA The procedure is: * use Routing Tree(s) to find potential MTAs (described in this section) * look at the channels of the remote MTA and find matches among the inbou those channels to the outbound protocols of the channels belonging to the loo Routing information is held in Routing Trees. These hierarchical structures cons information held in nodes in a tree like structure. Each node represents one cor OR Address (or Internet address). Each node may contain routing information of	hin an pace. s can be one for will be s n. is will be s n. is of for mponent which de	internet, each shared cols on uting t of an escribes	
< >				Help
				. icip

You have now created your base M-Switch X.400 Configuration. We now need to start Services.

Starting the Services

On Linux use the following command.

systemctl start pp # systemctl start pumice

From the Start Menu Windows→Isode R19.0→Isode Service Configuration

Isode Services Configuration Tool



The following screen is displayed.

Isode Services Configuration Tool

Service Configuration					_		×
Service Configuration Operations Vie	w Help						
Isode Services							
🕂 Add 👔 Re <u>f</u> resh All 👔 <u>R</u> efresh	🕨 Start 🕨 Sta	art Tr <u>e</u> e 🔞 Stop 🗙 F	le <u>m</u> ove				
 Isode M-Vault DSA Creation S Isode MAS Isode DSA cn=dsa,o=X400 / N Isode M-Switch Queue Ma Isode M-Switch OSI List Isode M-Store X.400 Server 	General Recov Service Name [Service Status] Start Type [Product Activ Product Activ M-Vault	very Advanced Isode M-Vault DSA Creat Stopped Manual V ration Status	tion Service Latest Version 19.1	Expiration 31-Dec-2026	Valid YES	· · · · · · · · · · · · · · · · · · ·	* *
< >>					Apply	Car	icel
Abort							

Select the "Isode DSA cn=dsa, o=x400..." Service.

Isode Services Configuration Tool

Service Configuration				-		\times
Service Configuration Operations View	v Help					
Isode Services						
🕂 Add 👔 Re <u>f</u> resh All 💈 <u>R</u> efresh	Start > Start Tree	😢 Stop 🗙 Remove				
Isode M-Vault DSA Creation S Isode MAS Sode MAS Sode DSA cn=dsa,o=X400 / N Sode M-Switch Queue Ma Isode M-Switch OSI List Isode M-Store X.400 Server	General Recovery Ac Service Name Isode D Service Status Running Start Type Manual Product Activation St. Product M-Vault <	dvanced SA cn=dsa,o=X400 / Messaging Admi g atus Latest Version 19.1	in Expiration 31-Dec-2026	Valid VES	>	•
< >>				Apply	Can	cel
Abort						

Change the "Start Type" from "Manual" to "Automatic" using the Drop Down and Click Apply.

Do the same for the "Isode M-Switch Queue Manager", "Isode M-Switch OSI Listener" & "Isode M-Store X.400 Server".

Isode Services Configuration Tool

Service Configuration				-		×
Service Configuration Operations Vie	w Help					
Isode Services						
🕂 Add 🞅 Refresh All 🞅 Refresh	Start > Start Tree Stop	🗙 Re <u>m</u> ove				
Isode M-Vault DSA Creation S Isode MAS	General Recovery Advanced					
✓	Service Name Isode M-Switch Qu	eue Manager				^
Isode M-Switch Queue Ma	Service Status Stopped			Friend	ly name	e for th
Isode M-Store X.400 Server	Start Type Automatic ×					
	Product Activation Status					
	Product	Latest Version	Expiration	Valid		
	M-Switch	19.1	31-Dec-2026	YES		
	M-Switch-Encryption	Not activated	N/A	NO		
	<				>	~
				Apply	Ca	ncel
Abort						

Then Start the "Isode M-Switch Queue Manager", "Isode M-Switch OSI Listener" & "Isode M-Store X.400 Server" services.

Isode Services Configuration Tool

Service Configuration Service Configuration Operations View Isode Services	w Help			-		×
Isode M-Vault DSA Creation S Sode MAS Sode MAS Sode MAS Sode M-Switch Queue Ma Sode M-Switch OSI List Sode M-Store X.400 Server	General Recovery Advanced Service Name Isode M-Store X.400 Service Status Running Start Type Automatic ~ Product Activation Status Product M-Store-X400 <	Server Latest Version 19.1	Expiration 31-Dec-2026	Valid YES		*
< >				Apply	Car	ncel

This completes the Windows Services Configuration. We will now return to M-Console to configure the X.400 P7 Users.

Configuring the X.400 P7 Users

From M-Console select View→Configuration→X.400 Mailbox Management.

M-Console X.400 Mailbox Management

MConsole (Switch Configuration Management): messaging.admin@ISODE-X400-EVAL

File Window	View	Messaging Operations Help		
😨 Welcome to	0	Live Operations	>	ts
🗸 📄 Routing	3	Configuration	>	Switch Configuration Management
> 🌏 Mair	n	Audit Information	>	X.400 Mailbox Management
> 🖂 Messag	ie Di 🛐	User Agent		Authenticated Entities Management
🚞 Externa	I 🙆	Event Viewer		ow to route addresses. Routing Trees can be Inter
✓ 🚞 X.400 №	1 🚊	Alerts		ne for each protocol.
> 🔥 Mair		Welcome View		r messaging configuration, and this will be shared
		Shaper Configuration File Editor		
	•-	Options		messages and recipients
		Make new "Switch Configur" views look like this one		۵
	×	Make new "Switch Configur" views use factory settings		
		Next View		As (described in this section)
		Previous View		and find matches among the inbound protocols o local MTA.
		Close	Ctrl+W	79 12 12 12 12 12 12 12 12 12 12 12 12 12
			PALITINA IN	there hierarchical ethictures consist at routing

M-Console X.400 Mailbox Management

MConsole (X.400 Mailbox Manage	ment): messaging.admin@ISODE-X400-EVAL		-	٥	×
Welcome to Message Console	🖂 Switch Configuration Management 🛛 🚺 Alerts	📕 X.400 Mailbox Management 🗙			
Add P7 Mailbox Add P3 User Agent	Add X.400 Distribution List Add X.400 Redirect Add using	Template Add Other User Search by Address Search by Use	er		
✓ Carrow Control Trees > Main Routing Tree	X.400 User List X.400 User Sear X.400 User List The table below can disp As the operation can be It is also possible to list a Routing Tree	ch X.400 Integrity Check olay all the X.400 users in this messaging configuration. slow, the table is only loaded when the 'Refresh Table' button is cliv a limited number of users by using the 'X.400 User Search' tab. Main Routing Tree	cked. efresh Table	Save	
	Table Columns to show	Local Address , O/R Address , Type	lit		

Expand the "Main Routing Tree" on the left until you reach your X.400 Address Space (/P=X400/A=Isode/C=GB/) in this example and select it.

M-Console X.400 Mailbox Management

MConsole (X.400 Mailbox Manag File Window View Help	ement): messaging.admin@ISODE-X400-EVAL	-	٥	×
👿 Welcome to Message Console	🖾 Switch Configuration Management 🛛 [Alerts 🛛 📳 X.400 Mailbox Management 🗙			
Add P7 Mailbox Add P3 User Agen	Add X.400 Distribution List Add X.400 Redirect Add using Template Add Other User Search by Address Search by	User		
 ✓ 	Kouting Iree Node These routing tree nodes can be added or removed using the Switch Config Managemen	t view		

Click "Add P7 Mailbox.

Add to Manbox asing tersonal name naming		
dress Form		
hoose the address form to use for this node		
ddress form		
Personal Name		
O Common Name		
Common Name and Personal Name		
O Organizational Unit		
O AMHS (Aviation) CAAS Addressing		
O AMHS (Aviation) XF Addressing		
○ Other		

Select "Personal Name" (or whatever suits your deployment) and Click "Next>".

M-Console X.400 Mailbox	Manaaement
	management

M-Console X.400 Mailbox Management

🛅 Add P7 Mailbox us	ing Personal Name N	laming				\times
Node name (Pers	onal Name Addr	essing)				
Enter the Personal Na	me for this node					
Cumana	1					
Surname	1					
Given name						_
Initials						
Generation Qualifier						
				_		
	Rack	Nevts	Finish		Cance	
	~ Dack	Next >	Pinish		Cance	

Enter "one" for "Surname" and "user" for "Given name".

M-Console X.400 Mailbox Management

🛅 Add P7 Mailbox u	sing Per	sonal Nam	e Nami	ing			×
Node name (Pers	ional N	Name Ad	dres	sing)			
Enter the Personal Na	ame for t	this node			 	 	
Surname	one						
Given name	user						
Initials							
Generation Qualifier							
			_				
		< Back		Next >	Finish	Cance	1
C 11 1 (() X							

Click "Next>".

M-Console X.400 Mailbox Management

Add P7 Mai	lbox using	Personal Name N	Naming		- 0	
/R Addres	S					
Confirm the cl	hosen O/R	Address for this r	node			
O/R Address	/G=user/	S=one/PRMD=X4	400/ADMD=Isode	/C=GB/		Edit
		< Back	Next >	Finish	(Cancel

Click "Next>".

M-Console X.400 Mailbox Management

Add P7 Mailbox	🔄 Add P7 Mailbox using Personal Name Naming 🦳 🗆 🗙						
White Pages (Address Book) Entry							
Configure a White	Pages entry for this a	ddress					
O Do not set up a	White Pages entry						
Create new Whit	te Pages entry						
Directory Root							
Select when	e in the DIT the White	Pages entry will be cr	reated				
Directory	cn=White Pages,o=X4	400			Pick		
Common Name	user one						
Initials							
Surname	one						
Given name	user						
O Amend existing	White Pages entry						
Directory Entry							
Select the e	xisting Directory entry	to amend					
Directory Er	Directory Entry cn=White Pages,o=X400 Pick						
Advanced White Pa Management	ages values can be set	within the White Pag	es tab in X.400 Ma	ailbox			
	< Back	Next >	Finish	Ca	ncel		

Click "Next>".

M-Console X.400 Mailbox Management

Add P7 Mailbox using Personal Name Naming	-		×
MTA and Message Store Details			
Configure which Message Store, MTA and delivery channel this user will use			
Message Store			
cn=Main Message Store, cn=Messaging Configuration, o=X400 $$ $\!$			
Supporting MTA			
cn=ISODE-X400-EVAL, cn=Messaging Configuration, o=X400 $ \lor$			
P3 Delivery Channel p3deliver v			
< Back Next > Finish		Cance	el

Click "Next>".

M-Console X.400 Mailbox Management

Add P7 Mailbox using	🔂 Add P7 Mailbox using Personal Name Naming 🛛 🗌				
Passwords					
Set the User's P7 and P3	passwords				
P7 Message Store Passwo	ord	•••••			Show
P3 Access Password	•••••	•			Show
	< Back	Next >	Finish	Can	cel

Change both Passwords to "secret" and Click "Show" on each of them to confirm.

M-Console X.400 Mailbox Management

Add P7 Mailbox using Personal Name Naming			×
Set the User's P7 and P3 passwords			
P7 Message Store Password secret			Hide
P3 Access Password secret			Hide
< Back Next > Finish	1	Canc	el

Click "Finish".

M-Console X.400 Mailbox Management

/elcome to Message Console 🛛 🔀 Switch Configura	ration Management 🛛 😰 Alerts 🖉 X.400 Mailbox Management 🗙				
Add P3 User Agent Add X.400 Distributi	ion List Add X.400 Redirect Add using Template Add Other User Searc	D D D D D D D D D D D D D D D D D D D			
 Routing Trees Main Routing Tree 	Message Store Routed UA Synonyms, Aliases and Redirects White	e Pages			
✓ C = GB ✓ ADMD=Isode	P7 Message Store Password Enter value to reset password		Show		
G=user+S=one	P3 Access Password Enter value to reset password		Show		
Juser lemplates	Mailbox Name one0				
	Mailbox Name one0				
	Mailbox Name one0 Keep a copy of submitted messages O Yes Default O No				
	Mailbox Name one0 Keep a copy of submitted messages () Yes () Default () No Alternate Sending Addresses				
	Mailbox Name one0 Keep a copy of submitted messages O Yes O Default O No Alternate Sending Addresses ORAddress	DN			
	Mailbox Name one0 Keep a copy of submitted messages O Yes O Default O No Alternate Sending Addresses ORAddress I	DN			
	Mailbox Name one0 Keep a copy of submitted messages O Yes O Default O No Alternate Sending Addresses ORAddress I	DN			
	Mailbox Name one0 Keep a copy of submitted messages O Yes O Default O No Alternate Sending Addresse ORAddress I	DN			
	Mailbox Name one0 Keep a copy of submitted messages O Yes O Default O No Alternate Sending Addresses ORAddress I	DN	Add		
	Mailbox Name one0 Keep a copy of submitted messages O Yes O Default O No Alternate Sending Addresses ORAddress I	DN	Add		
	Mailbox Name one0 Keep a copy of submitted messages O Yes O Default O No Alternate Sending Addresse ORAddress I	DN	Add		
	Mailbox Name one0 Keep a copy of submitted messages O Yes Default O No Alternate Sending Addresses ORAddress I	DN	Add Remove Edit		
	Mailbox Name one0 Keep a copy of submitted messages (Ves @ Default () No Alternate Sending Addresses ORAddress I	DN	← Add × Remove ✓ Edit Copy		

Repeat the process for "user two" (/G=user/S=two/P=X400/A=Isode/C=GB/).

M-Console X.400 Mailbox Management

Velcome to Message Console Switch Con & Console Console Console Console Console & Console Co	tiguration Management 📕 Alerts 📒 X.400 Mailbox M ibution List Add X.400 Redirect Add using Template Add (ianagement ×
 Routing Trees Main Routing Tree C=GB ADMD=Isode PRMD=X400 G=user+S=one G=user+S=two User Templates 	Message Store Routed UA Synonyms, Aliases and P7 Message Store Password Enter value to reset pa P3 Access Password Enter value to reset password Mailbox Name two0	d Redirects White Pages assword Show Show
	Keep a copy of submitted messages () Yes () Dr Alternate Sending Addresses ORAddress	efault ONO
		Add Remove Edit En Copy
		Paste

This completes the configuration of the System for Local Users. We will now test the system with XUXA.

Testing the System with XUXA

XUXA is started on Linux as below.

% /opt/isode/bin/xuxa

On Windows Start→Isode R19.0→XUXA (X.400 Demo User Agent)

XUXA Start



The following splash screen is displayed.

XUXA Splash Screen



Wait... then the following screen is displayed.

XUXA Initial Screen

<world> > o=X400</world>		

Expand O=X400 and cn=White Pages as follows.

XUXA White Pages Selection

\sim	White	Pages	Browser
--------	-------	-------	---------

 \times

Select an existing user in the Directory, to use its $\ensuremath{\mathsf{O}}\xspace/\ensuremath{\mathsf{R}}\xspace$ address to create an account

× <	World>
~	o=X400
	cn=Address Book
>	cn=Groups
>	cn=Messaging Configuration
>	cn=Users
~	cn=White Pages
	2 cn=user one
	2 cn=user two
election	cn=user one,cn=White Pages,o=X400

Select "cn=user one", Click "OK".

XUXA Password Entry

ssword	
ОК	Cancel
5	sword OK

Enter the password you configured ("secret" in our example). Click "OK".

XUXA Client			
XUXA (X.400 Mail User A	Agent) - /G=user/S=one/PRMD=X400/ADMD=Isode/C=G8 eIn	8/	- 0 ×
Get Mail Write	Reply Reply All Forward Addr Book	Node	
Image: Section of the section of th	P From P From Subject: Date: Priority: Normal * X.400 MTS Parameters	Subject	Received Size Size Sec Image: Sec s
		Server status 📥 🕰 🚼 🤅	

Click "Write".

XUXA Clie	ent	
📝 New Mess	sage	– 🗆 ×
File Help		
Send 4	Attach 🛃	
From: /G	S= user/S= one/PRMD=X400/ADMD=Isode/C=GB/	Message Security: Don't sign message No Security Label Priority: Priority: Bodyparts:
		×

Click the "Address Book" Icon below "From:"

XUXA	Client
/.0/0/1	Cherre

Address Book		
The World $$		Not bound Edit with SODIUM
<pre> /G=user/S=to /G=user/S=o </pre>	vo/PRMD=X400/ADMD=Isode/C=GB/ ne/PRMD=X400/ADMD=Isode/C=GB/	To: ->
		CC: ->
		BCC: ->
		Alt Recipient: ->
Attribute	Value	
		OK Cancel

Select each of the entries one by one and Click "Two".

XUXA Client

Address Book			
The World $$		Not bound	Edit with SODIUM
/G=user/S=tw /G=user/S=or	ro/PRMD=X400/ADMD=Isode/C=GB/ ne/PRMD=X400/ADMD=Isode/C=GB/	To: ->	/G=user/S=two/PRMD=X400/ADME /G=user/S=one/PRMD=X400/ADME
			< >
		CC: ->	
		BCC: ->	
		Alt Recipient: ->	2
Attribute	Value		
DN	cn=user one, cn=White Pages, o=X400		
O/R Address	/G=user/S=one/PRMD=X400/ADMD=Isoc	de/C=GB/	

Click "OK".

XUXA Client

🔏 Test ile Help				>
Send	Attac	h 🦣		
From:	/G=us	er/S=one/PRMD=X400/ADMD=Isode/C=GB/		Message Security:
	TO :	/G=user/S=two/PRMD=X400/ADMD=Isode/C=GB/	Per Recip	🥩 Don't sign message 🗸 🗸
	TO :	/G=user/S=one/PRMD=X400/ADMD=Isode/C=GB/	Per Recip	No Security Label
				Priority:
				Priority: Normal ~
Subject:	Test			Bodyparts:
User Or	ne and	d User Two		,
Sent by	User	One.		

Enter some text in the Subject and Body the clock the "Send" Icon (Top Left).

The following is displayed.



Click "OK".

XUXA Client

Get Mail Write	Reply Reply All Forward Addr Book					
🥔 Mailboxes 🛛 🗆	P From	Subject	Received	Size Sec		
	G=user/S=one/PRMD=X400/ADMD=Isode/C=GB/	Test	20/02/2025, 16:24	1 Kb 🥥		
🚳 Inbox	<pre>SYSTEM></pre>			1 Kb 🖉		
🔥 Outbox	SYSTEM>			1 Kb 🥥		
⊡ Sent ☑ Reports ☑ Trash	/G=user/S=one/PRMD=X400/ADMD=Isode/C=GB/	IPN	20/02/2025, 16:24	1 КЬ 🐶		
	Preview 🖻 Log					
	From: /G=user/S=one/PRMD=X400/ADMD=Isode/C=GB/ Message Se		curity:			
	TO : /G=user/S=two/PRMD=X400/ADMD=Isode/C=GB/		Signed	f (Not signed)		
	TO : /G=user/S=one/PRMD=X400/ADMD=Isode/C=GB/		No Security Label			
	Subject: Test					
	Date: 20/02/2025, 16:24	Date: 20/02/2025, 16:24		Bodyparts:		
	Priority: Normal		T IA5 Text	T IA5 Text		
	* X.400 MTS Parameters					
	Licer One and Licer Two					
	User One and User Two					
	Sent by User One.					

You will now see the above displayed. We now need to configure XUXA for User Two.

From the Top Menu Select File \rightarrow Preferences.

XUXA Client



XUXA Client

Preferences			_		
type filter text	Xuxa Accounts			↔ ↔ • •	•
 Xuxa Accounts Xuxa General 	user one Default Account	~	Make Default	Add	
	Import Preferences	Export Preferences	Delete All Preferences	i	
			Restore <u>D</u> efaults	Apply	
			Apply and Close	Cancel]

Click "Copy".

XUXA Client



Enter a Name for "User Two".

XUXA Client



Click "OK.

XUXA Client

Preferences				×
type filter text	Xuxa Accounts	<	;- - ->	• •
> Xuxa Accounts > Xuxa General	Import Preferences Export Preferences Delete All Pr	references	Add	
	Restore [Apply and	<u>D</u> efaults Close	App	ly :I

Expand "Xuxa Accounts and select "P7 Message Store".

XUXA Client

type filter text	P7 Message Store		• => • •
 Viva Accounts Bodyparts DSA and Address Book General P3 Submission P7 Message Store Reports Security > Xuxa General 	Connection Information Message Store Presentation Address Message Store User (O/R) Message Store User Password Message Store User DN	"3001"/URI+0000+ URL+ itot://ISODE-X400-EVAL:3001 //G=user/S=one/PRMD=X400/ADMD=Isode/C=GB/ secret cn=user one,cn=White Pages,o=X400	Edit Pick
	Check for messages at startup		
	Disable configuration requests in b Use a new connection for each me Use a new MS connection for Get N Don't confirm message deletion Register an autoalert for new mess Pop up an alert window when an a	ind operations ssage submission Vail ages utoalert is received	
	Disable configuration requests in b Use a new connection for each me Use a new MS connection for Get N Don't confirm message deletion Register an autoalert for new mess Pop up an alert window when an a Automatically check for new every Check period (in seconds) The messages will be fetched ① at startup time O on demand	ind operations ssage submission Mail ages utoalert is received check period (below)	

Change the "Message Store User (O/R) and "Message Store User DN" as follows.

XUXA Client

Preferences			
type filter text	P7 Message Store	¢	• => • •
 Xuxa Accounts Bodyparts DSA and Address Book General P3 Submission P7 Message Store Reports Security Xuxa General 	Connection Information Message Store Presentation Address Message Store User (O/R) Message Store User Password Message Store User DN	"3001"/URI+0000+URL+itot://ISODE-X400-EVAL:3001 //G=user/S=two/PRMD=X400/ADMD=Isode/C=GB/ secret cn=user two cn=White Pages,o=X400 Image: Bind to the Message Store	Edit Pick
	Check for messages at startup Disable configuration requests in t Use a new connection for each me Use a new MS connection for Get I On't confirm message deletion Register an autoalert for new mess Pop up an alert window when an a	nind operations essage submission Mail ages nutoalert is received	
	Check period (in seconds)		
	at startup time O on demand		
	Maximum mailbox size 100		
		Restore <u>D</u> efaults	Apply
		Apply and Close	Cancel

Click "Apply and Close".

XUXA Client

Get Mail Write	Reply Reply All Forward Addr.Book Delete Mode					
🦉 Mailboxes 🛛 🗖 🗆	P From	Subject	Received	Size Sec		
	/G=user/S=one/PRMD=X400/ADMD=Isode/C=GB/	Test	20/02/2025, 16:24	1 Kb 🥥		
🧐 Inbox	SYSTEM>			1 Kb		
 Outbox Sent Reports Trash 	<pre>/// /////////////////////////////////</pre>	IPN	20/02/2025, 16:24	1 КБ 🦪		
	Preview Log From: /G=user/S=one/PRMD=X400/ADMD=Isode/C=GB/		Message S	ecurity:		
	TO: /G=user/S=two/PRMD=X400/ADMD=Isode/C=GB/ TO: /G=user/S=one/PRMD=X400/ADMD=Isode/C=GB/	/G=user/S=two/PRMD=X400/ADMD=Isode/C=GB/ /G=user/S=one/PRMD=X400/ADMD=Isode/C=GB/		Signed (Not signed)		
	Date: 20/02/2025 16:24	Subject: Test Date: 20/02/2025 16:24		Bodyparts:		
	Priority: Normal X.400 MTS Parameters		T IA5 Te	ĸt		
	User One and User Two Sent by User One.			^		

Select File \rightarrow Preferences again.

XUXA Client

🖻 Х	UXA (X.400 Mail User Ager	nt) - /G=use
File	Message View Help	
2	Get all Mail	Ctrl+G
	Open Address Book Preferences	Ctrl+A
	Exit	Ctrl+X

XUXA Client

Preferences		— 🗆 X
type filter text	Xuxa Accounts	
 Xuxa Accounts Bodyparts DSA and Address Book General 	user two	
P3 Submission P7 Message Store Reports	The default account is user one	
> Xuxa General	Import Preferences Export Preferences Delete All Preferences	
	Restore De	faults Apply
	Apply and Cl	ose Cancel

Select "user two" in the Xuxa Accounts and Click "Apply and Close".

XUXA Client

I SUXA (X.400 Mail User Agent File Message View Help	x) - /G=user/S=two/PRMD=X400/ADMD=Isode/C=GB/		- 0 >	×
Aailboxes D P	From	Subject	Received Size Sec	-
	/G=user/S=one/PRMD=X400/ADMD=Isode/C=GB/	Test	20/02/2025, 16:24 1 Kb 🖉	1
 Inbox Outbox Sent Reports Trash 				
	Preview 🗟 Log			٥
	From: /G=user/S=one/PRMD=X400/ADMD=lsode/C=GB/ TO: /G=user/S=two/PRMD=X400/ADMD=lsode/C=GB/ TO: /G=user/S=one/PRMD=X400/ADMD=lsode/C=GB/ Subject: Test Date: 20/02/2025, 16:24 Priority: Normal © X.400 MTS Parameters		Message Security: Signed (Not signed) No Security Label Bodyparts: T IAS Text	
	User One and User Two Sent by User One.			~
A new message has arrived		Server status 🔬 🍕		

You will see the message sent by "User One" – click the "Reply" Icon.

XUXA Client

🗭 New M	lessage		–
Send	Attach		
From:	/G=user/S=two/PRMD=X400/ADMD=Isode/C=GB/		V Message Security:
	TO : /G=user/S=one/PRMD=X400/ADMD=Isode/C=GB/	Per Recip	Don't sign message No Security Label
			Priority: Priority: Normal
Subject:	Re: Test		Bodyparts:
			^
			~

Enter some Body Text.

Help of 5end	Attach		
om:	/G=user/S=two/PRMD=X400/ADMD=Isode/C=GB/	~	Message Security:
2	TO : /G=user/S=one/PRMD=X400/ADMD=Isode/C=GB/	Per Recip	Don't sign message
			No Security Label
			Priority:
l			Priority: Normal
7.40	JU M IS Parameters		
essag	ue Received by Liser Two		
essag	ge Received by User Two		

Click the "Send" Icon.

XUXA Client

📨 Send	Message	\times
1	Message submitted. Message Submission ID:	
	[/PRMD=X400/ADMD=Isode/C=GB/;ISODE-X400.0540401-250220.163347]	
	IPM ID: 1 250220163347Z*/G=user/S=two/PRMD=X400/ADMD=Isode/C=GB/	
	Submission time: 250220163347Z	
	It took 484 milliseconds to construct and send the message	
		_
	ОК	

Click "OK.

XUXA Client

XUXA Client

Get Mail Write 🗸	Reply Reply All Forward Addr.Book Delete Mode					
🥔 Mailboxes 📃 🗆	P From	Subject	Received	Size	Sec	
	/G=user/S=one/PRMD=X400/ADMD=Isode/C=GB/	Test	20/02/2025, 16:24	1 Kb	2	
 Inbox Outbox Sent Reports Trash 	SYSTEM>			1 КЬ	9	
	Preview 🛃 Log					- 8
	From: //G=user/3=two/PRMD=X400/ADMD=sode/C=06 TO: //G=user/S=two/PRMD=X400/ADMD=lsode/C=06 TO: //G=user/S=one/PRMD=X400/ADMD=lsode/C=06 Subject: Test Date: 20/02/2025, 16:24 Priority: Normal * X.400 MTS Parameters		Bodyparts:	ecurity: ed (Not sign ecurity Labe	ed) I	
	User One and User Two Sent by User One.					~

Now using the File \rightarrow Preferences Switch Back to the User One Account.

XUXA Client

🥗 💆 👻 iet Mail Write	Reply Reply All Forward Addr. Book Delete Mode				
Mailboxes 🗖 🗆	P From	Subject	Received	Size Sec	
	G=user/S=one/PRMD=X400/ADMD=Isode/C=GB/	Test	20/02/2025, 16:24	1 Kb 🥑	
🖂 Inbox	SYSTEM>			1 Kb 🥔	
Outbox	SYSTEM>			1 Kb 🦪	
🖃 Sent	/G=user/S=one/PRMD=X400/ADMD=Isode/C=GB/	IPN	20/02/2025, 16:24	1 Kb 🥔	
Reports	G=user/S=two/PRMD=X400/ADMD=Isode/C=GB/	IPN	20/02/2025, 16:31	1 Kb 🥥	
🕝 Trash	G=user/S=two/PRMD=X400/ADMD=Isode/C=GB/	Re: Test	20/02/2025, 16:33	1 Kb	
	Preview 🖻 Log				
	From: /G=user/S=one/PRMD=X400/ADMD=lsode/C=GB/ TO: /G=user/S=two/PRMD=X400/ADMD=lsode/C=GB/ TO: /G=user/S=one/PRMD=X400/ADMD=lsode/C=GB/ Subject: Test		Message Se	curity: 1 (Not signed) curity Label	
	Date: 20/02/2025, 16:24		Bodyparts:	Bodyparts:	
	Priority: Normal		T IA5 Text	t	
	X.400 MTS Parameters				
	User One and User Two Sent by User One.			,	



You can see that the message has been received.

This completes the testing of Local Users. We now need to configure and External MTA and some Address Book Entries.

Adding an External MTA and Address Book entries

Configuring the External MTA with M-Console

Before connecting to an External MTA you will need to exchange information with them as follows.

Your MTA Name: Your MTA Password: Your Hostname/IP Address:

Their MTA Name: Their MTA Password: Their Hostname/IP Address:

In this guide we will be connecting to the M-Switch MIXER MTA described in the M-Switch MIXER Evaluation Guide and will use the following information.

Your MTA Name:	ISODE-X400-EVAL
Your MTA Password:	secret
Your Hostname/IP Address:	ISODE-X400-EVAL (must resolve to an IP Address)
Their MTA Name:	ISODE-MIXER-EVAL
Their MTA Password:	secret
Their Hostname/IP Address:	ISODE-MIXER-EVAL (must resolve to an IP Address)

From M-Console expand to Routing Tree to the ADMD "Isode".

M-Console External MTA Routing Addition

MConsole (Switch Configuration Managemer File Window View Messaging Operations Welcome to Message Console	t): messaging.admin@ISODE-X400-EVAL Help I Configuration Management X 👔 Alerts 🛛 🏭 X.400 Mailbox Management 🛛 🖾 Switch Operations 📄	- 0	×
Routing Trees Main Routing Tree Set C= GB O PRMD=Isode O PRMD=X400	MTA Info Filters MTA Group		Î
✓ Carl Message Transfer Agents ✓ Carl Message Transfer Agents ✓ Carl Message Transfer Agents ✓ Carl Message Stores ✓ Main Message Store		Add Remove Edit	
	Subtree Information: O All children present Not all children present Routing Nexus		

Right Click on "ADMD=Isode".

M-Console External MTA Routing Addition



Select "Add Node ... ".

M-Console External MTA Routing Addition

🧭 Create a Routing Tree node			
Select the node type and enter a v Node type PRMD \checkmark	/alue		
	OK	Cancel	

Enter "Internet" for the "PRMD".

M-Console External MTA Routing Addition

🥩 Create a Routing Tree node		
Select the node type and enter a value		
Node type PRMD V Internet		
OK Cancel		

Click "OK".

M-Console External MTA Routing Addition

MConsole (Switch Configuration Management): messaging.admin@ISODE-X400-EVAL - 🗗 🗙				
File Window View Messaging Operation	s Help			
👿 Welcome to Message Console 🛛 🕅 Swite	h Configuration Management 🗙 📜 Alerts 🛛 🟭 X.400 Mailbox Management 🛛 🖾 Switch Operations			
✓ □ Routing Trees				
🗸 📦 Main Routing Tree	MTA Info Filters			-
✓ ER C=GB				
V C ADMD=lsode	MTA Group			
PRMD=X400	Mix doup			
> 🕝 PRMD=Internet		Add		
🗸 📴 Message Transfer Agents				
> SODE-X400-EVAL		Removi	e	
📴 External Message Transfer Agents		Edit		
✓ □ X.400 Message Stores				
> 🚯 Main Message Store	Subtree Information: O All children present			
	Routing Nexus			

Right Click on "External Message Transfer Agents"

M-Console Add External MTA

MConsole (Switch Configuration Management): messaging.admin@ISODE-X4

File Window View Messaging	Operations Help
😨 Welcome to Message Console	Switch Configuration Management >
✓ ✓ Routing Trees ✓ ✓ Main Routing Tree ✓ ✓	Under this folder you will find External MTAs may be either I or third-party MTAs which are An external MTA is the only w
 External Message Transfer A X.400 Message Stores Main Message Store 	New External MTA

Select "New External MTA..."

M-Console Add External MTA

Create a new MTA	—		×
MTA type			
Select the type of MTA you want to create			
External MTA (Non Isode MTA, or non tailoring MTA)			
● X.400			
• X.400 Gateway (using the Isode or Open Group Gateway API)			
○ X.400 P1 File Gateway			
○ X.400 P1 over HTTP Gateway			
< Back Next > Finish	i	Canc	el

Select "X.400", Click "Next>".

M-Console Add External MTA

🔝 Create a new MTA		×
MTA Naming		
MTAs can be named in a number of different ways, depending on the context.		
The MTA Name, to be used in protocols (like X.400 P1 binds)		
MTA name in protocol		
The host name or IP address of the system on which the MTA will run Fully Qualified Hostname		
The local Directory Name in this configuration (defaults to MTA Name)		
Directory Name		
Optional local description for the new MTA		
Description		
< Back Next > Finish	Canc	el

Complete the details as below.

M-Console Add External MTA

Create a new MTA	-		×
MTA Naming			
MTAs can be named in a number of different ways, depending on the context.			
The MTA Name, to be used in protocols (like X.400 P1 binds)			
MTA name in protocol ISODE-MIXER-EVAL			
The host name or IP address of the system on which the MTA will run			
The local Directory Name in this configuration (defaults to MTA Name)			
Directory Name Isode MIXER Gateway			
Optional local description for the new MTA			
Description			
< Back Next > Finish		Canc	el

The "Directory Name" is free text use something that works for you. "Click Next>".

M-Console Add External MTA

Create a new MTA		×
Default Routing Tree for this MTA		
Routing will be setup for the O/R Address Prefix selected, and the default Internet domain selected earlier.		
Choose a Routing Tree or Address Conversion Table. Use the tree navigation too or complete O/R address, and then modify this value if necessary via the Edit bi	ol to select a j utton.	partial
cn=Main Routing Tree, cn=Messaging Configuration, o=X400		\sim
> Main Routing Tree		
		_
Selected O/R Address		
O/R Address	Edi	t
C Pack Next > Einich	Cane	
S Dack INEXT > FINISH	Cance	3

Expand the "Main Routing Tree" until you get to "PRMD=Internet".

M-Console Add External MTA

Contra and MTA			V
			^
Default Routing Tree for this MTA			
Routing will be setup for the O/R Address Prefix selected, and the default Internet domain selected earlier.			
Choose a Routing Tree or Address Conversion Table. Use the tree navigatio or complete O/R address, and then modify this value if necessary via the E	n tool to dit butto	o select a	partial
cn=Main Routing Tree, cn=Messaging Configuration, o=X400			~
✓ Main Routing Tree			
✓ C=GB			
✓ ADMD=Isode			
PRMD=Internet			_
> PRMD=X400			_
			_
			_
Selected O/R Address			
Selected O/R Address			
O/R Address /PRMD=Internet/ADMD=Isode/C=GB/		Edi	t
< Back Next > Finish		Cance	el

Select "PRMD=Internet", Click "Next>".

M-Console Add External MTA

Create a new MTA		×
Remote X.400 MTA authentication details		
Configure the authentication information to be used to connect to this External X.400 MTA		
Remote MTA Name to use in the bind ISODE-MIXER-EVAL		
Remote MTA password to use in the bind	 S	how
< Back Next > Finish	Cano	el

The Remote MTA Name will auto-populate make sure it matches the MA Name you have been given and then enter the Password you have been given.

M-Console Add External MTA

Create a new MTA	-		×
Remote X.400 MTA authentication details			
Configure the authentication information to be used to connect to this External X.400 MTA			
Remote MTA Name to use in the bind ISODE-MIXER-EVAL			
Remote MTA password to use in the bind secret		н	lide
< Back Next > Finish		Cance	2

Click "Finish".

M-Console Add External MTA

Windows R19.0 M-Switch X.400 Eval Guide on BLOC	DHOUND - Virtual Machine Connection	-		×
File Action Media Clipboard View Help				
🖴 🔘 💿 🞯 🕘 💷 🕩 🔂 🖳 👬				
MConsole (Switch Configuration Management): me	saging.admin@ISODE-X400-EVAL	-	٥	\times
File Window View Messaging Operations Help				
😨 Welcome to Message Console 🛛 🖂 Switch Confi	guration Management 🗙 🧯 Alerts 🛛 📒 X.400 Mailbox Management 🛛 🖾 Switch Operations 📄			
▼ ≧ Routing Trees ▼ ⊕ Main Routing Tree ▼ ≧ C=G8 ♥ 健 ADMD=Isode ● PRMD=X400 > ⊕ PRMD=Internet > ≦ ISODE-X400-EVAL > ≦ ISODE-X400-EVAL > ≦ X400 Message Transfer Agents > ≦ X400 Message Stores > ∰ Main Message Store	A Info Filters MTA Group Isode MIXER Gateway, MTA weight : 5 Subtree Information: O All children present O Not all children present Routing Nexus	Ada Remo Edi	i we t	Î

You will see that this new MTA has been added as the MTA for the PRMD=Internet. We now need to configure the Password for our x400p1 Channel. Expand our MTA and Channels then select the x400p1 channel and select the Auth Tab.

M-Console Configure X.400 P1 Channel

MConsole (Switch Configuration Managemen	t): messaging.admin@ISODE-X400-EVAL	- 0)	×
Welcome to Message Console Switch	Configuration Management X 👔 Alerts 📲 X.400 Mailbox Management 🛛 🖾 Switch Operations		
✓	Main Program Tables Inbound Auth RTSE MTA Links Advanced		^
ADMD=Isode PRMD=X400 PRMD=Internet	Authentication Requirements Allows selection of methods used to authenticate the responses to connections which the channel initiates (initiator) incoming connections to which the channel responds (responder).), and to	I
Message Transfer Agents ISODE-X400-EVAL	P1Initiator MTA-NAME-PRESENT \$ SIMPLE-AUTHENTICATION	Edit	
✓ 🔄 Channels ∰ housekeeper ∰ mhsshaner	P1Responder MTA-NAME-PRESENT \$ SIMPLE-AUTHENTICATION	Edit	I
p3deliver	Credentials		
p3server x400-dl	Credentials which the channel will supply when initiating a connection (initiator), or in response to a connection (res	ponder).	
 	Initiator RTS Credentials	Edit	
 Tables Routing Nexus Directory Profiles 	Responder RTS Credentials	Edit	I
> 🤤 Logs > 📴 External Message Transfer Agents			
✓ ≥ X.400 Message Stores > ♣ Main Message Store			

Click "Edit" on the "Initiator RTS Credentials".

M-Console Configure X.400 P1 Channel

Initiator RTS Credentials	X
The credentials to be used in the request when ISODE-X400-EVAL connects to another \ensuremath{MTA}	
Request MTA Name ISODE-X400-EVAL	
Request MTA Password Empty Show	
OK Cancel	

Change the auto-generated Password to "secret".

M-Console Configure X.400 P1 Channel

Initiator RTS Credentials	×
The credentials to be used in the request when ISODE-X400-EVAL connects to anoth MTA	er
Request MTA Name ISODE-X400-EVAL	
Request MTA Password secret Empty Hit	de
OK Cancel	

Click "OK". Repeat the process for the "Responder RTS Credentials".

M-Console Configure X.400 P1 Channel

☐ Responder RTS Credentials ×
The credentials to be used in the response when ISODE-X400-EVAL responds to another MTA
Response MTA Name ISODE-X400-EVAL
Response MTA Password secret Empty Hide
OK Cancel

Click "OK".

M-Console Configure X.400 P1 Channel

inter interging operatio	ons Help	
Velcome to Message Console Swit	itch Configuration Management 🗙 📕 Alerts 🛛 📒 X.400 Mailbox Management 🛛 🖾 Switch Operations	
Routing Trees Main Routing Tree	Main Program Tables Inbound Auth RTSE MTA Links Advanced	
V III C=GB	Authentication Requirements	
PRMD=Isode PRMD=X400 PRMD=Internet	Allows selection of methods used to authenticate the responses to connections which the channel initiates (initiator) incoming connections to which the channel responds (responder).	and to
Message Transfer Agents	P1Initiator MTA-NAME-PRESENT \$ SIMPLE-AUTHENTICATION	Edit
✓ 🔁 Channels ∰ housekeeper	P1Responder MTA-NAME-PRESENT \$ SIMPLE-AUTHENTICATION	Edit
is mhsshaper p3deliver	Credentials	
p3server x400-dl	Credentials which the channel will supply when initiating a connection (initiator), or in response to a connection (res	ponder).
 x400mt x400p1 	Initiator RTS Credentials	Edit
> 🛅 Tables	Perpander PTC Credentials	Edit
PRouting Nexus	Responder Kis Credentials	Cure
 Routing Nexus Directory Profiles Logs 		Luit
Routing Nexus Gamma Directory Profiles Gamma Logs External Message Transfer Agents		Luit
Routing Nexus Directory Profiles Logs External Message Transfer Agents X.400 Message Stores Mann Message Store		Luit
Routing Nexus Directory Profiles Logs External Message Transfer Agents X.400 Message Stores Main Message Store		Luit
Routing Nexus Directory Profiles Directory Profiles Day Logs External Message Transfer Agents X.400 Message Stores Main Message Store		Luc
Routing Nexus Directory Profiles Directory Profiles Directory Profiles Logs External Message Transfer Agents X.400 Message Stores Main Message Store		Luit
Routing Nexus Directory Profiles Simular Logs External Message Transfer Agents X.400 Message Stores Main Message Store		
 ✔ Routing Nexus > ☐ Directory Profiles > ☐ Logs ■ External Message Transfer Agents > X400 Message Stores ▲ Main Message Store 		

Click "Apply". We now need to test the Connection, Right Click on the x400p1 Channel.

M-Console	Test Connection	to External MTA	١
			۰.

	×
Test an X.400 Connection	
Click on the 'Run Test' to initiate a connection attempt from: cn=x400p1,cn=ISODE-X400-EVAL,cn=Messaging Configuration,o=X400	
To Remote MTA / Channel:	
cn=x400p1,cn=Isode MIXER Gateway,cn=Messaging Configuration,o=X400	~
cn=x400p1,cn=Isode MIXER Gateway,cn=Messaging Configuration,o=X400 cn=x400p1,cn=ISODE-X400-EVAL,cn=Messaging Configuration,o=X400	
<	>
Run Test Clear	
	Close

Select the New MTA (cn=Isode MIXER Gateway...). Click "Run Test".

M-Console Test Connection to External MTA

	×
Test an X.400 Connection	
Click on the 'Run Test' to initiate a connection attempt from: cn=x400p1,cn=ISODE-X400-EVAL,cn=Messaging Configuration,o=X400	
To Remote MTA / Channel:	
cn=x400p1,cn=Isode MIXER Gateway,cn=Messaging Configuration,o=X400	~
Checking to see if there is an existing connection. No existing P1 Connections to: cn=x400p1,cn=lsode MIXER Gateway,cn=Messaging Configuration,o=X400 Performing P1 channel connect: Connecting0 Connecting1 Connecting2 Connecting3 Checking to see if connection established Successfully established P1 connection from: cn=x400p1,cn=lSODE-X400-EVAL,cn=Messaging Configuration,o=X400 to: cn=x400p1,cn=lsode MIXER Gateway,cn=Messaging Configuration,o=X400	<
<	>
Run Test Clear Clos	e

If you do not see a successful connection check Port 102 is open on both machines. We now need to check the Routing.

From the "Top Menu" Click "Messaging.

M-Console Check Routing

MConsole (Switch Configuration Management): messaging.admin@ISOD

File	Window	View	Messaging	Operations Help
۷ 🥥	/elcome to	Messag	MHSIN	Nanagement > 1
~	🗧 Routing	Trees	Create	MTA Links
· ·	🗸 🌏 Main	Routing	Summ	ary
	~ ₩ C:	=GB	Upgrad	de Messaging Configuration
	~ 🕑		Check	Address Routing
	>	PRN	Backup	Messaging Configuration
~	Message	Transfe	System	Check
		F-Y/00-	EVAL	

Select "Check Address Routing...".

M-Console Check Routing

Check Routing	×
Test email address routing	
Click on the 'Check Address' to start the test	
Basic Advanced	
Switch: ISODE-X400-EVAL \checkmark	
Address To:	Edit Swap Addresses
Address From:	Edit Include From Address
	^ ~
<	>
Check Address Clear	
	Close

Click "Edit" next to "Address To:".

M-Console Check Routing

O/R Address Editor	×
Name Form Partial	~
Country Name GB	Administrative Domain Isode Space
Private Domain Internet	Organization
Organizational Unit #1	Organizational Unit #2
Organizational Unit #3	Organizational Unit #4
Surname one	Initials
Given Name user	Generation Qualifier
Common Name	
X.121 Address	
Terminal ID	
Domain-defined type	=+
Clear	OK Cancel

Enter the details for the remote user and Click "OK". Then Click "Check Address".

M-Console Check Routing

Check Routing	1	×
Test email ad	dress routing	
Click on the 'Che	ck Address' to start the test	
Basic Advance	ed	
Switch: ISODE	V400 EVAL V4	
Switch: ISODE		
Address To:	/G=user/S=one/P=Internet/A=Isode/C=GB/	Edit Swap Addresses
Address From:		Edit Include From Address
 x400address; delivered-mta delivered-cha channel-weig Check Addres 	G=user/S=one/PKMD=Internet/ADMD=Isode/C=GB/ : cn=x400p1,cn=Isode MIXER Gateway,cn=Messaging Configuration,o=X400 nnet: x400p1 ht: 5	~
		Close

You should see it routing to the new Remote MTA. We now need to Add the Remote Users to the White Pages Address Book for XUXA. We will use and Isode GUI called "Sodium" for this.

Adding Address Book Entries with Sodium

If running on Linux use the following command.

% /opt/isode/bin/sodium

From Windows Start→Isode R19.0→Sodium (Secure Open Data, Identity... .

Start Sodium



Enter Sodium Passphrase

sphrase Require			×
lsers\Administra by your Profile pa	or\AppData\Roamin ssphrase.	g\lsode\isode-b	indprofile-r15.xml"
our passphrase, nd profiles.	r press CANCEL to r	un Sodium witho	out loading or
		OK	Cancel
	sphrase Required sers\Administrato yy your Profile pas our passphrase, o nd profiles.	sphrase Required sers\Administrator\AppData\Roamin ny your Profile passphrase. our passphrase, or press CANCEL to r nd profiles.	sphrase Required sers\Administrator\AppData\Roaming\Isode\isode-b ny your Profile passphrase. our passphrase, or press CANCEL to run Sodium witho nd profiles.

Enter the Passphrase (same as for M-Console).

Enter Sodium Passphrase

🏹 Profile pa	assphrase Required	×
The file "C:\ is protected	Users\Administrator\AppData\Roaming\Isode\isode-bindprofile-r15.xml' by your Profile passphrase.	
saving any	your passphrase, or press CANCEL to run Sodium without loading or bind profiles.	
Passphrase:	•••••	
	OK Cancel]

Click "OK".

Connect Sodium

cn=dsa,o=X400 / Messaging Admin	New
	Modify
	Сору
	Rename
	Delete
	Passphrase
artificator	

Click "Connect".

Sodium View



Expand the View from "World" until you reach "White Pages", the Right Click on "White Pages".

Sodium Add below



Select "Add below ... ".

Sodium Add below

last templete to add			
lect temptate to add			
noose the template suitable for the entry you	wish to add		
R Person			
Group of Names			
Organizational Role			
A Organizational Unit			
Dity/Locality			
St Country			
Domain Component			
Device			
G Alias			
Domain defined user			
Access Control User			
E MTA			
S External MTA			
Container			
Extensible Object			
🤱 Isode Internet File Transfer By Email Use	r		
🤱 Isode Internet File Transfer By Email Pee	r		
MHS Distribution List			
🛐 Internet Distribution List			
	News	Planta h	

Click "Next>".

Sodium Add below

🙀 Add entry under: cn=White Pages,o=X400	-		×
Select optional parts			
Select which optional parts of the template apply			
"Person" template options:			^
🖂 😔 Organizational Person			
🖂 😔 Internet Organizational Person			
🗌 🥥 Isode Harrier User			
🔲 😑 Isode M-Box User			
🔲 😑 Isode M-Box Gateway User			
🖂 😔 X.400 Messaging			
🗌 😑 ATN AMHS User			
🗌 🤒 PKI User			
🗌 🥥 PKI CA			
Certification Authority			
🗌 🤒 Entrust CA			
🗌 🥥 HTTP Resource			
🗌 🥥 (NIS) POSIX Account			
🗌 🤒 (NIS) POSIX Shadow Password			
Password Policy Exclusion			
🗌 🤒 Account Lock			
🗌 🦲 Clearance			~
< Back Next > Finish		Cance	2

Check "Organizational Person", "Internet Organizational Person"& "X.400 Messaging". Click "Next>".

Sodium Add l	below						
Reg Add entry u	nder: cn=Whit	te Pages, o= X40	0				×
Enter RDN							
Enter the RDN	value for the r	new entry					
Full Name	user one	internet					
		< Back	Next >	Fin	ish	Cance	el

Enter a "Full Name", in this case we will use "user one internet", Click "Finish".

🥫 cn=dsa,o=X400 / Messaging Admin - Sodium		– 0 ×
Session Edit Operations X.509 View Help		
Browse: White Pages × Browse: White Pages × World > cn=config Cn=Address Book Cn=Address Book Cn=Croups Cn=Messaging Configuration Cn=Users Cn=White Pages Cn=user one Cn=user two	to 'ISODE-X400-EVAL' on port 19389 Personal Group Contact Other Address Photo Employee A Messaging Full Name User one internet User Password Password Password C No value available > E-mail User Certificate Save Save as PEM Remove Load Request Import Verify User S/MIME Certificate Save Save as PEM Remove Load Verify	Template view • • • Set + • •

Add "internet" for "Surname".

Sodium Add below 🔫 cn=dsa,o=X400 / Messaging Admin - Sodium _ ď X Session Edit Operations X.509 View Help A Browse: White Pages... X 🔝 🌇 "cn=dsa,o=X400 / Messaging Admin": LDAP bind to 'ISODE-X400-EVAL' on port 19389 Template view \vee 💕 🗸 🌒 World Personal Group Contact Other Address Photo Employee 🔺 Messaging Cn=config
 Cn=X400
 Cn=Address Book user one internet Full Name + Cn=Address book
 Cn=Groups
 Cn=Messaging Configuration
 Cn=Users
 Cn=White Pages internet Surname User Password cn=user one
cn=user two Password < No value available > Set... + + E-mail User Certificate Save... Save as PEM... Remove Load... Request... Import... Verify... User S/MIME Certificate Save... Save as PEM... Remove Load... Verify... Add another... Clone... Object classes... 🔺 Add Cancel

Select the "Messaging" tab.

Sodium Add below

; cn=dsa,o=X400 / Messaging Admin - Sodium			- 0 ×
Browse: White Pages ×			
🔝 鑬 "cn=dsa,o=X400 / Messaging Admin": LDAP I	pind to 'ISODE-X400-EVAL' on port 19389		Template view 🗸
 ♥ World > Cn=config ♥ o=X400 ♥ cn=Address Book > ♥ cn=Groups > ↑ cn=Messaging Configuration > ♥ cn=Users ♥ ↑ cn=White Pages ♥ cn=user one ֎ cn=user two 	Personal Group Contact Other Add OR Addresses	ress Photo Employee A Messaging	Edit +
	Add another Clone Object classes		🔺 Add Cancel

Click "Edit" next to the OR Address.

Sodium Add below

Administrative Domain Isode Space
Organization
Organizational Unit #2
Organizational Unit #4
Initials
Generation Qualifier
=

Complete the form as above, Click "OK".

Sodium Add below

🩀 cn=dsa,o=X400 / Messaging Admin - Sodium Session Edit Operations X.509 View Help		- a ×
Browse: White Pages ×		
🔒 🌇 "cn=dsa,o=X400 / Messaging Admin": LDAP bind	to 'ISODE-X400-EVAL' on port 19389	Template view 🗸 💕
V 🔵 World	Personal Group Contact Other	Address Photo Employee Messaging
 cn=coniig cn=X400 cn=Address Book 	OR Addresses	/G=user/S=one/PRMD=Internet/ADMD=Isode/C=GB/
 Cn=Groups Cn=Messaging Configuration 	Maximum Content Length	
> () cn=Users • Cn=White Pages	Message Store DN	Pick +
6 cn=user one 6 cn=user two	Deliverable Content Types	•
	Acceptable EITs	•
	Exclusively Acceptable EITs	•
	Unacceptable EITs	•
	O/R Addresses with Capabilities	View Save Delete +
	Add another Clone Object cla	Add Cancel

Click "Add".

Sodium Add below 💘 cn=dsa,o=X400 / Messaging Admin - Sodium Ð X Session Edit Operations X.509 View Help Browse: user one in... X 🔒 🌇 "cn=dsa,o=X400 / Messaging Admin": LDAP bind to 'ISODE-X400-EVAL' on port 19389 Template view 🗸 💕 🗸 🌍 World Personal Group Contact Other Address Photo Employee Messaging > Cn=config > to=X400 Cn=Address Book OR Addresses /G=user/S=one/PRMD=Internet/ADMD=Isode/C=GB/ Edit + Cn=Ficures book Cn=Groups Cn=Messaging Configuration Cn=Users Maximum Content Length Pick + Message Store DN Cn=White Pages cn=user one cn=user one internet + Deliverable Content Types 🔒 cn=user two + Acceptable EITs + Exclusively Acceptable EITs + Unacceptable EITs View Save... Delete + O/R Addresses with Capabilities

Repeat the process for "user two internet".

Sodium Add below

🤫 cn=dsa,o=X400 / Messaging Admin - Sodium Session Edit Operations X.509 View Help		- 0 ×
Browse: user two in X		
Browse: user two in X Construction of the set of th	d to 'ISODE-X400-EVAL' on port 19389 Personal Group Contact Other Address Photo Employee Messaging OR Addresses //G=user/S=two/PRMD=Internet/ADMD=Isode/C Maximum Content Length	Template view = GB/ Edit + Pick + + +
🔒 cn=user two internet	Acceptable El Is Exclusively Acceptable ElTs Unacceptable ElTs O/R Addresses with Capabilities	+ + + View Save Delete +

This completes adding the Address Book entries for XUXA.

Sending a Message to an External X.400 User with XUXA.

From XUXA Click the "Write" Icon.

XUXA Sending a Message to a Remote User

😢 New N	lessage	>
File Help	Attach	
From:	/G=user/S=one/PRMD=X400/ADMD=Isode/C=GB/	Message Security: Don't sign message No Security Label Priority: Piority: Normal
* X4	0 MTS Parameters	Bodyparts:

Click the "Address Book Icon",

XUXA Sending a Message to a Remote User

Address Book			×
The World 🗸		Not bound Edit with SODIUM	
G /G=user/S=to (G=user/S=to) (G=user/S=o) (G=user/S=o)	vo/PRMD=X400/ADMD=Isode/C=GB/ vo/PRMD=Internet/ADMD=Isode/C=GB/ ne/PRMD=X400/ADMD=Isode/C=GB/ ne/PRMD=Internet/ADMD=Isode/C=GB/	To: ->	
		CC: ->	
		BCC: ->	
		Alt Recipient: ->	
Attribute	Value		
		OK Cancel	

Select /G=user/S=one/PRMD=Internet/ADMD=Isode/C=GB/, Click "OK".

Test MI	XER		- 0
le Help			
Send	Attach		
From:	/G=user/S=one/PRMD=X400/ADMD=Isode/C=GB/		✓ Message Security:
	TO : /G=user/S=one/PRMD=Internet/ADMD=Isode/C=GB/	Per Recip	Don't sign message
			No Security Label
			Priority:
			Priority: Normal
ubject:	lest MIXER		Bodyparts:
⊕ _ X.40	0 MTS Parameters		
• X.40	0 MTS Parameters		
⊕ X.40	0 MTS Parameters		
• X.40	0 MTS Parameters		
• X.40	0 MTS Parameters		
• X.40	0 MTS Parameters		
⊕ _X.40	0 MTS Parameters		
⊕ _X.40	0 MTS Parameters		
⊕ _X.40	0 MTS Parameters		
⊕ X.40	0 MTS Parameters		
⊕ X.40	0 MTS Parameters		
⊕ X.40 Test	0 MTS Parameters		

Enter a Subject and some test, then Click the "Send" Icon.

XUXA Sending a Message to a Remote User

🖿 Send	Message	×
1	Message submitted. Message Submission ID: [/PRMD=X400/ADMD=Isode/C=GB/;ISODE-X400.0328001-250224.080020] IPM ID: 1 250224080020Z*/G=user/S=one/PRMD=X400/ADMD=Isode/C=GB/	
	Submission time: 250224080020Z	
	It took 438 milliseconds to construct and send the message	
	ОК	

Click "OK".

XUXA Sending a Message to a Remote User

Mailboxes 👘	P From	Subject	Received Size S	ec
	S=postmaster/PRMD=Internet/ADMD=Isode/C=GB/	Delivery report (success) for /G=us	1 Kb 🥥	1
 Inbox Outbox Sent Reports Trash 	/G=user/S=one/PRMD=Internet/ADMD=Isode/C=GB/	IPN	24/02/2025, 08:06 1 Kb 🥪	P.
	Preview 🖻 Log			0
	From: /S=postmaster/PRMD=Internet/ADMD=Isode/C=GB	/	Message Security:	
	TO : /G=user/S=one/PRMD=Internet/ADMD=Isode/C=GB/		Not Signed	
			No Security Label	
	Subject: Delivery report (success) for /G=user/S=one/PRMD=	Internet/ADMD=Isode/C=GB/	Bodyparts:	
	Priority: No Priority			
	X 400 MTS Parameters			
	Delivery Report for your message with Subject Identifier [/PPMD=Y400/ADMD=Isode/C=0	R/ISODE_V400.0228001_250224	0900201	· · · · ·
	Subject identifier. [/PRIND=X400/ADMD=ISOde/C=C	JD/,ISODE-X400.0520001-250224.	000020]	
	It was successfully sent to: /G=user/S=one/PRMD=In	ternet/ADMD=Isode/C=GB/		
	Message Delivery Time: 2502240805357			

You can see the successful Delivery Report above.

This completes the Guide.

What Next?

More information on M-Switch X.400 can be found on the Isode website at *https://www.isode.com/product/x-400-message-switch/*.

Whitepapers

Isode regularly publishes whitepapers on technical and market topics related to its products. A full list of these can be found at *https://www.isode.com/whitepapers/*.

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