M-Switch SMTP Evaluation Guide

Configuring R19.0 release of Isode's Internet Messaging Servers on Windows and Linux Platforms for use as either and Enterprise Email System or an ISP Email System.

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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, M-Box and Harrier Server Products. These Products combine to create an Internet Email Solution. You will also use Isode Cobalt Product to provision Users.

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

www.isode.com/product/smtp-message-switch www.isode.com/product/pop-imap-message-store/ www.isode.com/product/ldap-x-500-directory/ www.isode.com/product/user-role-provisioning/

Objectives

In this guide you will be shown how to configure the Internet Email domain "internet.net" and to configure connections to other Internet Domains.

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, M-Box and Cobalt products.
- 2. Configured M-Switch and M-Vault using M-Console.
- 3. Provisioned Users using Cobalt.
- 4. If using TLS Configured TLS on M-Vault using Sodium CA and M-Vault Console.
- 5. Configued Harrier using Harrier Server Manager.
- 6. Logged in using Harrier
- 7. Created a connection to an external SMTP 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 the 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-SMTP-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-Box 19.0v21 Cobalt 1.5v3 Harrier 4.1v1 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

Isode Products are typically Activated using the Isode Messaging Activation Server (MAS). Some Isode Products, such as Cobalt also support local Product Activation. 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.



Click "Yes"

Enter Bind Profile Passphrase

Enter Profile passpl	rase X
Please enter a Pro and means that ye run Sodium, M-Va	ile passphrase. This will be used to encrypt all of the passwords, u will be prompted for this passphrase from now on whenever you ult Console, MConsole or M-Link Console.
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, u 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	o encrypted

Click "OK"

 \times

V Help

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 new DSA and Messaging Configuration..." option. If you wish to create a Messaging Configuration using a DSA which is already running on another computer choose the "Create a new Messaging Configuration ... " option. The other options are for management of existing Messaging Configurations, and can also be accessed from the View menu Create a new DSA and Messaging Configuration... Create a new Messaging Configuration... Fa Open your default Messaging Configuration (if any) Connect to an existing Messaging Configuration... Monitor existing Message Switches Monitor existing X.400 Message Stores Track messages List quarantined messages

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 configuration, and will also be able to connect to the Queue Manager via monitoring purposes. You will be able to add extra managers with more n Configuration has been set up.	manager of the Directory and MTA SOM for management and estricted rights once the Messaging
User name	
	OK Cancel

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

User Name Ei	ntered			
🛅 Choose the In	iitial Directory User's I	Name		×
Choose the In	itial Directory Us	ser's Name		
You must provide configuration, and monitoring purpo Configuration has	the name of the perso I will also be able to c ses. You will be able t been set up.	on who will be set up a connect to the Queue M o add extra managers v	s the initial manager of the I Janager via SOM for manage with more restricted rights of	Directory and MTA ement and nce the Messaging
User name Mess	aging Admin			
			OK	Cancel
			UK	Calicer
Enter your	User Name a	nd Click "OK	".	

Enter Base DN Create Directory Server × DIT structure configuration Adjust the DNs provided by the template to suit your requirements Base DN b=messaging Initial Directory User: This user is put into all the initial groups, and the bind profile created will bind as this user. Afterwards you can create more users and change which users are put in which roles. You should change the common name to a suitable value for a real person. cn=Messaging Admin, cn=Users, o=messaging < Back Finish Next > Cancel

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 Sen	/er			-		×
DIT structure config	guration					
Adjust the DNs provide	d by the templa	ate to suit your i	requirements			
Base DN						
o=Internet						
Initial Directory User: Th bind as this user. After which roles. You should	nis user is put in wards you can o d change the co	to all the initial create more use mmon name to	groups, and th rs and change a suitable valu	e bind profile which users a ie for a real p	e created are put in erson.	will
cn=Messaging Admin	, cn=Users, o=In	ternet				
	< Back	Next >	• Fir	nish	Cance	el

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

Enter Password				
Create Directory Server				×
Password configuration				
Passwords are auto-generated, but can b	e modified here if required			
Initial Directory User: cn=Messaging Adr Password: ••••••	nin, cn=Users, o=Internet		Sh	iow
	Copy password to clipboard	Save pa	ssword to	file
Record user authentication times (aut	thTimestamps)			
Password Hashing				
Hashed passwords are more secure, bu mechanisms other than PLAIN, LOGIN Note that while non-hashed passwords	it are not compatible with passw and SCRAM-SHA-1. s may be recovered from the DSA	ord-base	d SASL e, hashed	
passwords are NOT recoverable.				
Hash all passwords using SCRAM-S	HA-1			
< Back	Next > Finish		Cance	1

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 e	ntered					
🛅 Create Dir	ectory Server			_		×
Password (configurati	on				
Passwords an	e auto-gener	ated, but can be	modified here if required			
Initial Directo	ory User: cn=	Messaging Adm	in, cn=Users, o=Internet			
Password:	secret				⊠ Sł	low
			Copy password to clipboard	Save pas	sword to	ofile
Record us	er authentica	ation times (auth	Timestamps)			
Password H	lashing					
Hashed pas mechanism Note that w	swords are n is other than while non-has	nore secure, but PLAIN, LOGIN a shed passwords i	are not compatible with passy nd SCRAM-SHA-1. may be recovered from the DS	vord-based A database	l SASL a, hashed	1
passwords	are NOT reco	verable.	. 1			
Mash all	passwords u	sing SCRAIVI-SH	A-1			
	[< Back	Next > Finis	h	Cance	el

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

Create Directory Serve	er				×
and Profile Names	and Filesyste	m Location			
Use the suggested value	s, or enter your ow	n			
Management bind profile	e name: Used to m	anage the DSA in M	I-Vault Console		
cn=dsa,o=Internet / Me	ssaging Admin				
he folder which will con reated in order to initiali	tain the directory s ze the DSA):	erver's database an	d configuration (thi	s folder v	vill be
C:\lsode\d3-db				В	rowse

Click "Next>".

Create Directory Server	r				×
Address Configuration	on				
Enter the server hostname	e / IP address and	ports to listen on			
Hostname: ISODE-SMTP	-EVAL				
Enable:					
LDAP DAP					
Port numbers:					
Standards, no mess	aging: 389 / 102				
O Standards with mes	saging: 389 / 1999	9			
Isode default: 19389	9 / 19999				
O Alternate 2: 29389 /	29999				
O Alternate 3: 39389 / 39999					
O Alternate 4: 49389 /	49999				
O Alternate 5: 59389 /	59999				
Advanced Editor				Recheck P	orts
	< Back	Next >	Finish	Cancel	
DSA Configuration L	Details				
Create Directory Serve	er		-		×
Confirm Details					
Check the details below	before creating th	e DSA			
DSA creation template: Simple DSA setup for	r Messaging Evalu	ations			^
DSA address:		10000 1 0 4 0	. 10200		
Host ISODE-SMTP-E	VAL, X.500 on port	19999, LDAP on p	ort 19389		
DSA name: cn=dsa.o=Internet					
Bind profile name:	Messaging Admir				
Password hashing:					
SCIVENTSPIA-1					
					~
	< Back	Next >	Finish	Canc	el

Click "Finish".

The following screen is shown.

DSA being created	
Background Task Progress	×
Creating and starting DSA	
	Abort
Wait until this finishes.	
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 SMTP"	
Activated subfeatures are: TLS, smtp	
The remainder of this Messaging Configuration wizard will create a configuration appropriate for M-Switch SMTP	
If this is incorrect, contact support@isode.com for a suitable Product Activation Key	
< Back Next > Finish Cancel	

The summary of what features are Activated in the product is shown.

Click "Next>".

You will now through steps to create the messaging configuration.

Set the Messaging Configuration Base DN

Create a new MHS configuration				×
Set the Messaging Configuration	on Base DN			
Select the entry under which a Messag created	ing Configuration entry	will be		
> o=internet				
If you provide an organization name, a	n entry for the organization of	ation name provide	ed will be	
Create organization name	,			
Messaging configuration name				
Messaging Configuration				
Base DN: o=Internet MHS DN: cn=Messaging Configuration	,o=Internet			
< Back	Next >	Finish	Cance	el

In simple configuration just select the "O=Your Base DN"

Set the Messaging Configuration Base DN

Create a new MHS conf	iguration		-		×
Set the Messaging Co	onfiguration	Base DN			
Select the entry under whi created	ch a Messaging	Configuration entry	/ will be		
> o=Internet					
If you provide an organiza created automatically und	tion name, an e ler the entry you	entry for the organiz u select.	ation name provide	ed will be	
Create organization na	me				
Messaging configuration	name				
Messaging Configuration	1				
Base DN: o=Internet MHS DN: cn=Messaging C	onfiguration,o=	Internet			
	< Back	Next >	Finish	Cance	el

Click "Next>".

Set the Host	tname	•						
🔯 Create a new	MHS cor	nfiguration						\times
Hostname								
The hostname w addresses	ill be use	d, among of	ther th	ings, to set	the netw	vork		
Hostname								
Enter the fully qu For example, mai	alified ho il.isode.co	ost name of t om. If not po	the ma	chine that , then use t	will be ru he host r	unning th name.	is server.	
ISODE-SMTP-EV	/AL							
SASL Password	•••••	••••	0					show
DSA Authenticati	ion							
SASL Password	•••••	•••••						show

The Wizard should automatically pickup your server hostname. If it does not then enter it. You do not need to change the SASL Password here or note it down.

Click "Next>".

SMTP Configurat	ion				
Create a new MHS co	nfiguration		-		×
SMTP channel spec	ific settings a	nd routing polic	cy		
Enter the internet domai	n regarded as loca	I to this MTA.			
The email address doma	in this MTA is resp	onsible for, e.g iso	de.com		
Email address domain					
Create an Internet Mes	sage Store for loc	al POP3 or IMAP us	iers		
Use DNS					
Use MX re	ecords				
O Don't use DNS					
	< Back	Next >	Finish	Cance	al

Unless you have already set up DNS and MX Records for your domain it is best to check do not use DNS.

SMTP Configuration		
Create a new MHS configuration		×
SMTP channel specific settings and routing policy		
Enter the internet domain regarded as local to this MTA.		
The email address domain this MTA is responsible for, e.g isode.com		
Email address domain internet.net		
Create an Internet Message Store for local POP3 or IMAP users		
O Use DNS		
Use MX records		
On't use DNS		
< Back Next > Finish	Cano	el
- Court - Court - Children	Cont	

Enter your domain (we will use internet.net") and Click "Next>".

Administrator details

Create a new MHS con	figuration				×		
Administrator authentication details							
Configure the authentication information to be used by administrators of MTAs within this configuration							
This information will be ne the Switch Operations View the Event Viewer.	eeded to connect to the QMGR w, Switch Configuration view (fo	with or Ou	authentication, and wi utbound Connection Te	ll be use esting) ar	d by nd		
Admin Users Parent DN							
The location benea	th which new Admin Users will	be c	reated				
Parent DN cn=Us	ers, o=Internet			Pick	c		
• Use existing SASL Id							
user name messa	aging.admin@internet.net			Sele	ct		
○ Create new SASL Id							
Admin user name	mtaAdmin	0	sasl.internet.net				
Admin password				Show	N		
[< Back Next >		Finish	Cancel			

The Wizard should auto-populate the details above.

Click "Next>".

Anti Virus configuration							
Create a new MHS con	Create a new MHS configuration						
Anti Virus Configurat	Anti Virus Configuration						
Configure Anti Virus set i	Configure Anti Virus set up for the Checker channel.						
Anti Virus Engine 🖲 Noi							
Install msgcheck.zip							
	< Back	Next >	Finish	(ancel		

In evaluations we do not configure Anti Virus as this is more for production systems.

Click "Next>".

Create a new MHS configuration	
ervice File Creation	
Create default configuration files to enable service startup	
This file allows the MTA to connect to the DSA, and download its configuration.	
Create mtaboot.xml 🗹 C:\lsode\etc\switch\mtaboot.xml	Browse
M-Box uses the ms.conf to store its configuration	
Create ms.conf 🗹 C:\lsode\etc\ms.conf	Browse

Click "Next>".

Create Isode Services	5		
Create Isode Services			\times
Create Isode Services Select the services from the services	ervice groups that you want to create		
M-Vault M-Switch M-BOX M-Store Audit Database	M-Vault		
	Finish	Cance	ł

You can now choose to create any additional Isode Services apart from the default. In more advanced configurations you may want to configure the Audit Database so that you can track messages. Isode Support can assist with this and you can manually create those services later.

Click "Finish".

Create Isode Services

MConsole (Switch Configuration)	n Management): messaging.admin@internet.net — 🛛 🗌) X
File Window View Messaging	Operations Help	
👿 Welcome to Message Console	Switch Configuration Management X	
 Routing Trees Main Routing Tree Message Transfer Agents ISODE-SMTP-EVAL External Message Transfer A Internet Message Stores ISODE-SMTP-EVAL 	A Routing Tree defines a hierarchy of internet domains and X.400 addresses within an organization, and represents the registration of MTAs within the address namespace. The MTA uses Routing Trees to determine how to route addresses. Routing Trees can be Inter X.400 or both. A MIXER Internet/ X.400 tree would normally have two branches, one for eac protocol. Normally, there will be one Routing Tree per messaging configuration, and this will be shar by all the objects in the configuration which need access to routing information. 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 inbound protocols those channels to the outbound protocols of the channels belonging to the local MTA. Routing information is held in Routing Trees. These hierarchical structures consist of routin information which described of CR Address (or Internet address). Each node may contain routing information which described of the contain routing information which described contain routing information which described of the remote MTA and protection the remote of the remote of the channels belonging to the local MTA.	ernet, h ed s on g an bes ~
< >>	Apply	Cancel
		Help

You have now completed the core configuration of your server.

Services Configuration

On Windows you need to configure the services to auto-start.

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

Create Isode Services



The following screen will be displayed.

Isode Service Configuration

sode Services				
 Isode N-Box IMTP server Isode M-Box Management server Isode M-Box Management server 	General Recovery Advanced Service Name Isode Cobalt server Service Status Running Start Type Automatic Product Activation Status < Unknown >	Apply	/ Car	▲ ▼

Select the Isode DSAservice.

Service Configuration				-		
rvice Configuration Operations View Help						
Add 🗟 Refresh All 🔞 Refresh 🕨 Start 🅨 Start	Tree 🔞 Stop 🗙 Remove					
 Isode M-Vault DSA Creation Service Isode Harrier Web server Isode MAS Sode DSA cn=dsa,o=Internet / Messaging Admin Isode M-Switch Queue Manager Isode M-Switch SMTP Server Isode Meant server 	General Recovery Advanced Service Name Isode DSA cn= Service Status Running Start Type Manual Product Activation Status	1 dsa,o=Internet / Messaging Adı	min			^
Isode M-Box IMAP server	Product	Latest Version	Expiration	Valid		
 Isode M-Box LMTP server Isode M-Box POP3 server Isode M-Box Management server 	M-Vault	19.1	31-Dec-2026	YES	>	~
				Apply	Can	Ce

Change the start type from Manual to Automatic and Click "Apply"

Isode Service Configuration

de Services	Tree 🔞 Stop 🗙 Remove					
Isode Cobalt server Isode M-Vault DSA Creation Service Isode Harrier Web server Isode MAS Isode DSA cn=dsa,o=Internet / Messaging Admin Isode M-Switch Queue Manager Isode M-Switch SMTP Server	General Recovery Advanced Service Name Isode DSA cn= Service Status Running Start Type Automatic ~ Product Activation Status	dsa,o=Internet / Messaging Adı	min			^
Sode Event server Sode Ar-Box IMAP server Sode M-Box LMTP server Sode M-Box LMTP server Sode M-Box POP3 server Isode M-Box Management server	Product M-Vault C	Latest Version 19.1	Expiration 31-Dec-2026	Valid VES	Car	✓

Repeat this for the remaining services except Isode M-Vault DSA Creation Service. Then select each service and start it. You should have the screen below.

Isode Service Configuration

Add Refrech All Refresh & Start & Start	Tree 🙆 Ston 💙 Remove				
 Isode Cobalt server Isode M-Vault DSA Creation Service Isode Harrier Web server Isode DSA cn=dsa,o=Internet / Messaging Admin Isode DSA cn=dsa,o=Internet / Messaging Admin Isode M-Switch Queue Manager Isode M-Switch SMTP Server Isode K-Box IMAP server Isode M-Box LMTP server Isode M-Box LMTP server Isode M-Box Management server 	General Recovery Advance Service Name Isode M-Box Service Status Running Start Type Automatic Product Activation Status Product M-Box	ed Management server Latest Version 19.1	Expiration 31-Dec-2026	Valid YES	, ,
				Apply	Car

This completes the Service Configuration.

M-Switch further Configuration

Now that the services are running you can make changes to the M-Switch Configuration and they will take effect immediately. Return to M-Console. select View→Live Operations→Switch Operations.

M-Console Switch Operations View Setup

File Window	View	Help					_	Ц	^
Welcome to		Live Operations Configuration Audit Information	>	Summary View Switch Operations Vetting View					
Time / Date		User Agent Event Viewer Alerts Welcome View Shaper Configuration File Editor Options		Channel Monitor Diversions					^
	× ×	Make new "Alerts" views look like this one Make new "Alerts" views use factory settings Next View Previous View Close	Ctrl+W		Version	Expiration 31-Dec-2026	Valid VES	Ca	▼ ncel

Select View→Live Operations→Switch Operations.

M-Console Switch Operations View Setup

MConsole (Switch Operations): messaging.admin@internet.ne	et
File Window View Switch Channels Peer MTA Messag	ge Recipient Services Help
Welcome to Message Console 🛛 🕅 Switch Configuration	Management 👔 Alerts 🖾 Switch Operations 🗙
Refresh 🛱 Refresh All 🗌 Refresh every 🚺 seconds	Hide empty channels
ISODE-SMTP-EVAL - not connected (Network error)	Report Properties Services
	MESSAGE SWITCH - DISCONNECTED
	Error × You are not authorized to perform this operation!
	ОК

The Error is expected, click "OK".

M-Console Switch Operations View Setup

MConsole (Switch Operations): messaging.	admin@internet.net
File Window View Switch Channels	Peer MTA Message Recipient Services Help
Welcome to Message Console 🛛 🕅 Swi	itch Configuration Management 🛛 🚺 Alerts 🖉 🖾 Swite
Refresh 😨 Refresh All 🛛 Refresh even	ry 60 seconds Hide empty channels
😸 ISODE-SMTP-EVAL - not connected (N	etwork error) Report Droportion Sopring
8	Refresh Switch
	Edit Switch Configuration
٠	Add
Sector 1	Modify
•	Remove
e	Connect
	Disconnect
	Connect to Service Control Manager
٠	Disconnect from Service Control Manager
	Increase maximum channelsIncrease operation rate
	Decrease maximum channelsDecrease operation rate
0	Enable submission
89	Disable submission
3	Enable all channels
8	Disable all channels
۲	Check Routing
۲	Reload message queue
<u>A</u>	Reprocess queue
۲	Reload configuration
0	Shutdown

Right Click on the Switch and Select "Modify".

M-Console Switch Operations View Setup

Edit Message Switch	×
Friendly Name	SODE-SMTP-EVAL
Host	ISODE-SMTP-EVAL
Userid	messaging.admin@internet.net
Password	Show
Authentication Mechanis	sm SCRAM-SHA-1 ~
Use TLS for SOM protocol	
MTA: ISODE-SM	TP-EVAL V
No services Host Aliases Host Aliases are used t the same MTA is know - the hostname or IP o - when clustering is in NB: The netbios hostn MConsole to connect	to correlate MTA names when a host name or IP changes and in to the Audit DB by different names. This can happen when: if a system hosting the MTA has changed use, and the MTA has failed over/back ame is required to be set, either as the host or an alias to allow to the window service controller.
	Add Remove
	OK Cancel

Enter the Password you set for the Messaging Admin User.

M-Console Switch Operations View Setup

🛅 Edit Message Switch		×
Friendly Name	ISODE-SMTP-EVAL	
Host	ISODE-SMTP-EVAL	
Userid	messaging.admin@internet.net	
Password •••••		Show
Authentication Mechani	sm SCRAM-SHA-1	~
Use TLS for SOM protoco MTA		
MTA: ISODE-SM	TP-EVAL	~
No services Host Aliases Host Aliases are used the same MTA is know - the hostname or IP o - when clustering is ir NB: The netbios hostr MConsole to connect	to correlate MTA names when a host name or IP changes a vn to the Audit DB by different names. This can happen wh of a system hosting the MTA has changed use, and the MTA has failed over/back name is required to be set, either as the host or an alias to a to the window service controller.	ind ien: Ilow
	Ad	d
	OK Ca	ncel

Click "OK".

M-Console Switch Operations View Setup



Right Click on the Switch and Select "Connect".

M-Console Switch Operations View Setup



The above screen is displayed. We can now make changes to the M-Switch Configuration that will take effect immediately.

Go to the Switch Configuration Management Tab.

M-Console Switch Configuration Management



Expand your "Message Transfer Agent" (ISODE-SMTP-EVAL) in this example and then expand the "Channels".

M-Console Switch Configuration Management

MConsole (Switch Configuration Manageme	nt): messaging.admin@internet.net	-	٥	×
Welcome to Message Console	h Configuration Management X			
 Routing Trees Main Routing Tree Message Transfer Agents ISODE-SMTP-EVAL Routing Nexus smtp-auth smtp-auth smtp-external smtp-external Sober Structure Tables Routing Nexus Directory Profiles Logs External Message Transfer Agents ISODE-SMTP-EVAL 	Main Program Tables Inbound Advanced Program to run simtp Program Arguments			×

Select the "smtp-auth" Channel and the "Program" tab of that Channel, change the "Allow IP addresses with invalid hostname" from "No" to "Yes". Click "Apply".

This completes the configuration of M-Switch for "Local Users" not connecting to external SMTP Servers. We will return to M-Console later to configure the SMTP connection to the domain "x400.net".

If you have a "TLS" enabled Activation you will need to do some configuration of M-Vault so that the Cobalt User Provisioning tool works correctly. This configuration involves creating Certificates for which you would normally require a Certification Authority (CA). Isode provides a CA in the form of Sodium CA, this is not a production CA but one suitable for use in an evaluation.

If you do not have a TLS Activation you can skip the next section and go directly to the Provisioning Users with Cobalt section.

Configuring TLS on M-Vault

Here you will setup Sodium CA to issue Certificates from a Certificate Signing Request (CSR) and use M-Vault Console to generate this CSR and install the provided Certificate. You might want to create a dedicated folder for Certificates before you start.

From the Windows Start Menu →Isode R19.0→Sodium CA (Sodium Certificate Authority).

Start Sodium CA



Sodium CA initial configuration

Sodium CA	🗔 Sodium CA Profile Manager	×	1	- 0	×
SodiumCa Operations	Configured CAs				
	New Madify Delete Encrypt]		
			content		
	Open Close]	-		
-			- - - set)		ł
Ароп					
	Priority profile	+ cat) [507		Apply	V

Click "New".

Sodium CA initial configuration

🔁 New CA				- C	ı x
Set Properties of the	Certificate A	uthority			
Use this page to set the d directory for the CA	isplay name, key	passphrase and CA	ADB		
Sodium CA Profile Name	SodiumCA				
CADB Directory					
C:\lsode\cadb-Sodium	CA			Change	Create
Passphrase (Optional) :					Show
Set the CA to work with	the Directory				
	< Back	Next >	Finish	С	ancel

Click "Create", for the purposes of an Evaluation you do not need to use a Passphrase.

Sodium CA initial configuration

😺 New CA	— 🗆 X
Set Properties of the Certificate Authority	
Use this page to set the display name, key passphrase and CADB directory for the CA	
Sodium CA Profile Name SodiumCA	
CADB Directory	
C:\lsode\cadb-SodiumCA	Change Create
Passphrase (Optional) :	Show
Set the CA to work with the Directory	
< Back Next > Fin	ish Cancel

Click "Next>".

Sodium CA initial configuration

🔁 New CA				-		×
Set Bind Details for	the CA					
Isode recommends that Use this page to set Bind	you configure details for cor	the CA to work with a nnecting the CA to the	a directory. e directory.			
Address : LDAP ~	Hostname:	ISODE-SMTP-EVAL		P	ort: 193	389
Bind DN :					F	ick
Bind Password :						
	< Back	Next >	Finish		Cance	:

Select "Pick...".

Sodium CA initial configuration

<world></world>		
✓ o=Internet		
cn=Address Book		
> cn=Groups		
> cn=Messaging Configuration		
✓ cn=Users		
cn=Messaging Admin		
cn=White Pages		
stion cn-Messaging Admin cn-Us	ers o-Internet	
ction ch=messaging Admin,ch=os	ers,o=internet	

Navigate to the "Messaging Admin" User. Click "OK".

Sodium CA initial configuration

🔁 New CA								×
Set Bind Details for	the CA							
lsode recommends that y Use this page to set Bind	ou configure details for co	the CA f	to work wit the CA to	th a direct	tory. tory.			
Address : LDAP ~	Hostname:	ISODE-	SMTP-EVA	L		P	ort: 193	89
Bind DN : cn=Mes	saging Admi	n,cn=Us	ers,o=Inter	net			P	Pick
Bind Password :	0							
	< Back		Next >		Finish		Cance	1

Enter the Password for the Messaging Admin User. Click "Next>".

Sodium CA initial configuration

New CA			-		×
elect an Entry for lse this page to select	the CA an Entry for the Cer	tificate Authority			
Choose a suitable loc: entry, or "Promote" to Existing "pkiCA" objec	ation for the CA. Us add the "pkiCA" o cts are shown with t	se "Add" to create bjectClass to the s the icon: <i>P</i>	a new entry below elected entry.	the selected	ł
> 🔘 <world></world>			P P	romote Add	
This entry is not so	uitable for represen esent the CA's entr	ting a CA. Either ac	dd a suitable entry l	below it or	
	< Back	Next >	Finish	Canc	el

Expand the "<World>".

Sodium CA initial configure	ition				
🧔 New CA					×
Select an Entry for t	he CA				
Use this page to select an	Entry for the Ce	rtificate Authority			
Choose a suitable locat entry, or "Promote" to a Existing "pkiCA" object	ion for the CA. U add the "pkiCA" o s are shown with	se "Add" to create bjectClass to the s the icon: <i>P</i>	a new entry below elected entry.	the selecte	:d
✓	g et		\$ ₽ F -	Promote Add	
This entry is not suit	table for represen sent the CA's entr	ting a CA. Either a Y	dd a suitable entry	below it or	
	< Back	Next >	Finish	Can	cel
Select "O=Internet", C	lick "+ Add"				
Sodium CA initial configure	ntion				
🧊 Enter RDN for	the new CA	entry			×
Enter RDN for the	CA				
🔑 cn= SMTP EV	AL CA				,o=Internet
		[OK		Cancel

Enter a "cn" of your choice for the CA. Click "OK".

Sodium CA initi	al configuration
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New CA – C Select an Entry for the CA Use this page to select an Entry for the Certificate Authority	ı ×
Select an Entry for the CA Use this page to select an Entry for the Certificate Authority	
Use this page to select an Entry for the Certificate Authority	
Choose a suitable location for the CA. Use "Add" to create a new entry below the sele entry, or "Promote" to add the "pkiCA" objectClass to the selected entry. Existing "pkiCA" objects are shown with the icon: 2^{3}	cted
✓ o=Internet ^ cn=Address Book ^ > o cn=Groups - > o cn=Groups - > o cn=Messaging Configuration - > o cn=Users - o cn=Users - o cn=White Pages -	3
Added entry "cn=SMTP EVAL CA,o=Internet" Select cn=SMTP EVAL CA,o=Internet to represent the CA's entry	
< Back Next > Finish Ci	ancel
Click "Next>". odium CA initial configuration	
🔁 New CA — 🗆 🗙	
Set Key type, Subject and Subject Alternative Names Use this page to set Key type, Subject and Subject Alternative Names for the CA	
Subject DN cn=SMTP EVAL CA,o=Internet	
Subject DN cn=SMTP EVAL CA,o=Internet Algorithm for the Key RSA DSA ECDSA 	
Algorithm for the Key RSA O DSA O ECDSA	
Subject DN cn=SMTP EVAL CA,o=Internet Algorithm for the Key RSA ODSA ECDSA Key Size Key Size	
Subject DN cn=SMTP_EVAL CA,o=Internet Algorithm for the Key RSA DSA ECDSA Key Size Key Size 3072 Add Subject Alternative Names for the CA	
Subject DN cn=SMTP EVAL CA,o=Internet Algorithm for the Key Rey Size Key Size Size Add Subject Alternative Names for the CA	
Subject DN cn=SMTP EVAL CA,o=Internet Algorithm for the Key RSA O DSA O ECDSA Key Size Key Size 3072 ✓ Add Subject Alternative Names for the CA Add Edit Remove	
Subject DN cn=SMTP EVAL CA,o=Internet Algorithm for the Key Rey Size Key Size Size Add Subject Alternative Names for the CA Add Edit Remove	

Accept the defaults and Click "Next>".

Sodium CA initial configuration

💭 New CA				_		×
Certificate Status Sh	aring					
Use this page to select th	e mechanism of	f sharing certificate	e status			
Certificate Status Sharin	g					
Certificate Revocation	n List distributed	by LDAP				
Certificate Revocation	n List distributed	by HTTP				
Use Online Certificate	Status Protoco	I (OCSP)				
	< Back	Next >	Finish		Cance	1

Accept the default and Click "Next>".

Sodium CA initial configuration

🗇 New CA	-	×
Set the CRL Distribution Point for the CA		

URI: Idap://ISODE-SMTP-EVAL: 19389/cn=SMTP EVAL CA,o=Internet	ce Add DN
	Add HTTP URI.
	Add FTP URI
	Add LDAP URI
	Edit
<	> Remove
	Set De
	Set De

Accept the default and Click "Next>".

Sodium CA initial configuration

🧔 New CA			-		×
Set the Access Desi	cription List for	r the CA			
Use this page to set the A	ccess Description	List (Optional) for the CA			
The authority information the CA when it appears in that can be used to verify CRL Distribution Point	access extension certificates. Wher the signature on t	indicates how to access inforr i it appears in CRLs, it is used t he CRL.	nation and o provide i	service	s for tion
Access Method	Туре	Access Location	Add CA	lssuers	
CA Issuers	LDAP URI	URI: Idap://ISODE-SMT	Add C	CSP	
			Edi	it	
			Rem	ove	
<		>			
				Set De	fault
	< Back	Next > Finish		Cance	I

Accept the default and Click "Next>".

Sodium CA initial configuration

🔁 New CA			\times
Set Basic Constraints and KeyUsage Extension			
Use this page to set the Basic Constraints and KeyUsage extensions for CA			
Key Usage			
Data Encipherment Key Agreement Key Cert Sign CRL Sign Encipher Only Decipher Only			
Basic Constraints	ength 1		A
< Back Next > Finish		Canc	el

Accept the default and Click "Next>".

🧔 New CA				-		×
Generate Self Signe	d Certificate o	r CSR				
Use this page to either ge be signed by another CA	enerate a Self Signe	ed Root Certificate	e or CSR to			
○ Generate a Self Signed ○ Generate a CSR to be s	Root Certificate igned by another (CA				
	< Back	Next >	Finish		Cancel	

Select "Generate a Self Signed Root Certificate"

Sodium	CA	initial	configuration
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🔁 New CA			×
Generate Self Signed Certificate or CSR			
Use this page to either generate a Self Signed Root Certificate or CSR to be signed by another CA			
Generate a Self Signed Root Certificate			
○ Generate a CSR to be signed by another CA			
Signature Algorithm SHA256WITHRSA V			
Valid From 31 January 2025, 16:19		Edi	t
Valid To 31 January 2035, 16:19		Edi	t
Lifetime			
Years: 10 🗘 Months: 0 👘 Days: 0 👘 Hours:	0	Reset	
☐ Include a CRL Distribution Point extension in the CA certificate			
< Back Next > Finish		Cance	

Accept the defaults and Click "Next>".

Sodium CA initial configuration

🔁 New CA				×			
Root CA Certificate							
The following is the Se generated as part of th	f Signed Root CA Certificate that will be is wizard						
You can either use this generated key pair later	Certificate as a CA certificate or import another Certifi by using the Menu options on the "CA Menu".	icate fo	or the				
Subject	cn=SMTP EVAL CA,o=Internet						
lssuer	cn=SMTP EVAL CA,o=Internet						
Valid from	Fri Jan 31 16:19:48 GMT 2025						
Valid to	Wed Jan 31 16:19:48 GMT 2035	Wed Jan 31 16:19:48 GMT 2035					
Serial	10:BF:A8:9F:84:D9:F9:B8:46:D4						
PublicKeyInfo	Algorithm: RSA, KeySize: 3072						
SignatureAlgorithm	SHA256WITHRSA						
CertificateType	Version v3 (CA Certificate)						
Display Detailed Inform	nation						
	< Back Next > Finish		Cance	ł			

Click "Next>".

Sodium CA initial configuration

🔁 New CA					×
Finish CA Configurat	tion				
Finish Configuring the E	ntry for the CA bei	ng managed			
When you press "Finish" contain information for	, the directory entr this CA.	ry "cn=SMTP EVAL	. CA,o=Internet" w	ill be add	ded to
	< Back	Next >	Finish	Ca	ncel

Click "Finish".
Sodium CA initial configuration

odiumCA	New
	Modify
	Delete
	Encrypt

Select you newly created CA (SodiumCA) and Click "Open".

Sodium CA initial configuration

💭 Enter Bind Password	×
Enter the password to connect to the dsa at "cn=Messaging Admin,cn=Users,o=Internet	"Idap://ISODE-SMTP-EVAL:19389" as t"
Password:	
	OK Cancel

Enter the Password for the Messaging Admin User and Click "OK".

Sodium CA initial configuration



You now have your CA, leave this open and start M-Vault Console.

M-Vault Console is started on Windows as follows.

From the Windows Start Menu \rightarrow Isode R19.0 \rightarrow M-Vault Console.

Start M-Vault Console



M-Vault Console Initial Screen

I M-Vault Console		- 0	×
File Help			
♥ Connect ▷ Start □ Stop ♣ Create	▼ Q Scan ▼		
Shadowing Agreements	Pailover ③ Multimaster		
Profile	Server	Hostname(s)	
Managed Directory Servers			
🥪 cn=dsa,o=Internet / Messaging Admin	cn=dsa,o=Internet	ISODE-SMTP-EVAL	
٢			>
Abort Automatic scans disabled. Last scan: 3 Fo	ebruary 2025 at 07:43:56 GMT		

Double Click your Directory Server with the Green Tick below Managed Directory Servers.

M-Vault Console Initial Screen

	Refresh Igreements	🖥 Databases 🔛 Peer DSAs 🗐 Log ddress	g Streams 🔄 OCSP S	ervices
 Logging Superior Knowledge SASL TLS X.509 Password Policy Shadowing Failover Multimaster HTTP Services OAuth OCSP Security Labels LDAP Changelog 	Type X.500 LDAP	Hostname or network address ISODE-SMTP-EVAL ISODE-SMTP-EVAL	Port number 19999 19389	Add Edit Remove Selectors Advanced
	< Selectors	: (none)	>	
	perectors	, (none)	A	apply Cance

M-Vault TLS Configuration

Cn=dsa,o=Internet / Messaging Ad	min - M-Vault Console		-		×
File Help					
 Create Remove Remove Remove Shadow Agree Address Operation Logging Superior Knowledge SASL TLS X.509 	efresh ements 🖹 Databases 🛄 Peer TLS (Transport Layer Security Management of identities and of Identities 🔥 SASL Attribute No identities have been configu non-anonymous ciphers will be	DSAs Log Streams y) ther configuration related to as Trust Anchors Other CA ured for TLS, so any connecti e rejected	OCSP Servi	LD4 •	•
 Password Policy Shadowing Failover Multimaster HTTP Services OAuth OCSP Security Labels LDAP Changelog 	dentity 	Key Type	Create Resume. Pick Remove. View Generate C Update		► ncel
Abort Session is bound for "cn	=dsa,o=Internet". Last data refresh:	3 February 2025 at 07:44:52 (SMT		

Select "Create ... "

M-Vault TLS Configuration

Create TLS Identity for the	e Directory Server	"cn=dsa,o=Interne	et"	-		×
Set the Key parameter	s and edit Sul	bject DN				
Set the parameters for gene	rating the key and	l edit subject DN if	required			
Subject DN cn=dsa,o=Inte	ernet					
Algorithm for the Key						
	A					
Key Size						
Key Size 3072 🗸						
	< Back	Next >	Finish		Cancel	

Click "Next>".

Create TLS Identity for the	Directory Server "cn=d	sa,o=Internet"	_		×
elect and add Subject	t Alternative Name	es and Clearanc	e		
pecify the Subject Alternativ ertificate Request for this id	ve Names and Clearanc lentity	e to be used in the			
The following values have as subject alternative nam	e been derived from the nes :	Attributes in the en	try and can b	e used	^
DNS Name: ISODE-SM	TP-EVAL				
IP Address: 2a02:c7c:1	a5c:b900:c7c:bb4e:654	b:83d6			
IP Address: 192.168.0.	111				
IP Address: fd63:df21:	78e7:0:c7c:bb4e:654b:8	3d6			
Add other subject alternati	ve names				1
			A	dd	
				114	
			E	dit	
			Re	move	
You can specify a custom Extension	clearance to be includ	ed in the Subject Dir	ectory Attribu	ıtes	
() None					~
			Re	set to De	fault

Accept the defaults, Click "Next>".

M-Vault TLS Configuration

Create it's identity for t	ne Directory Server	ch=dsa,o=internet		~
elect X.509 Extensio	ns			
lse this page to set additio	onal X.509 extensio	ns in the CSR		
Extended Key Usage Exter	nsion			
TLS WWW server auther	ntication		Edi	t

Click "Next>".

M-Vault TLS Configuration

Create TLS Ide	entity for the	Directory Serve	er "cn=dsa	o=Internet				×
Certificate Re	quest Cor	itents						
Contents of this	Certificate R	equest						
The following Cer contents, click Ne	rtificate Signi ext. To chang	ing Request ha le any options,	s been gen click Back	erated. In o	rder to save	this to	a file or o	opy its
Subject	cn=dsa,o=	Internet						
PublicKeyInfo	Algorithm:	RSA, KeySize:	3072					
DNS Name	ISODE-SMTP	-EVAL						
Details								
		< Back	Ne	t>	Finish		Cance	el

Click "Next>".

	the Directory Server "cn	=dsa,o=Internet"	_	
end request to a C/	A			
Decide how you will send	this Certificate Request	to a Certificate Author	ity	
The certificate request for You can now:	"cn=dsa,o=Internet" mu	ist now be signed by a	Certificate A	uthority <mark>(</mark> CA).
Save the PKCS#10 format (suitable for Isode Sodiur	t request to a file for the (m CA)	CA administrator to pro	ocess Sa	ve PKCS#10
Save the PEM format of r (suitable for Isode Sodiur	request to a file for the Ca m CA)	A administrator to proc	:ess	Save PEM
Copy a PEM (base64 enc to a CA (e.g. via email)	oded) version of the requ	Jest to the clipboard to	be sent	Сору
The private key file will be completed.	removed and replaced v	vith a PKCS#12 file onc	e identity cre	ation has bee

Click "Save PKCS10..." M-Vault TLS Configuration

Choose a Directory				×
Y 🔥 🦳 « Isode S > Certificates	~	ū	Search Certificates	Ą
Organize 🔻 New folder			:== ▼	?
✓ Quick access Name ✓ Desktop ★ ✓ Downloads ★ 🗟 Documents ★ ✓ Pictures ★ ✓ Isode Software ★	^ No iten	ns matc	Date modified h your search.	Туре
This PC DVD Drive (D:) SSS_Xt Network				>
Folder: Certificates			Select Folder Car	ncel

Browse to your Certificates Folder and Click "Select Folder".

Treate TLS Identity for the Directory Server "cn=dsa,o=	Internet"	o x	
Send request to a CA			
Decide how you will send this Certificate Request to a Ce	rtificate Authority		
-			
The certificate request for "cn=dsa,o=Internet" must now	be signed by a Certificate A	Authority (CA).	
Certificate Signing Request has been written to C:\lsode Software\Certificates\rsa.p10.	_		
Encrypted private key has been written to C:\lsode\d3-dl	o\x509\rsa.pem.	ave PKCS#10	
Save the PEM format of request to a file for the CA admi (suitable for Isode Sodium CA)	nistrator to process	Save PEM	
Copy a PEM (base64 encoded) version of the request to t to a CA (e.g. via email)	the clipboard to be sent	Сору	
The private key file will be removed and replaced with a P completed.	KCS#12 file once identity cr	eation has been	
completed.			_
< Back Next 2	> Finish	Cancel]
Now we return to Sodium CA.			
Sodium CA Issue Certificate			
Sodium CA Issue Certificate		_	
Sodium CA Issue Certificate		_	_ ×
Sodium CA Issue Certificate Sodium CA - SodiumCA (cn=SMTP EVAL CA,o=Internet) SodiumCa Operations Session View Help		-	_ x
Sodium CA Issue Certificate Sodium CA - SodiumCA (cn=SMTP EVAL CA,o=Internet) SodiumCa Operations Session View Help Sodium CA × Browse Connected to "Idap://ISODE-SMTP-EVAL:19389"	as "cn=Messaging Admin,cn=	— Users,o=Internet"	
Sodium CA Issue Certificate Sodium CA - SodiumCA (cn=SMTP EVAL CA,o=Internet) SodiumCa Operations Session View Help Sodium CA × Browse Connected to "Idap://ISODE-SMTP-EVAL:19389" CA Components Certificates Certificate Requests	as "cn=Messaging Admin,cn=	— Users, o=Internet"	- x
Sodium CA Issue Certificate Sodium CA - SodiumCA (cn=SMTP EVAL CA,o=Internet) SodiumCa Operations Session View Help Sodium CA × Browse Connected to "Idap://ISODE-SMTP-EVAL:19389" CA Components Certificates Certificate Requests Directory to search for CSR	as "cn=Messaging Admin,cn=	— Users, o=Internet"	
Sodium CA Issue Certificate Sodium CA - SodiumCA (cn=SMTP EVAL CA,o=Internet) SodiumCa Operations Session View Help Sodium CA × Browse Connected to "Idap://ISODE-SMTP-EVAL:19389" CA Components Certificates Certificate Requests Directory to search for CSR C:\Users\Public\Desktop\	as "cn=Messaging Admin,cn=	Users,o=Internet"	C X
Sodium CA Issue Certificate Sodium CA - SodiumCA (cn=SMTP EVAL CA,o=Internet) SodiumCa Operations Session View Help Sodium CA × Frowse Connected to "Idap://ISODE-SMTP-EVAL:19389" CA Components Certificates Certificate Requests Directory to search for CSR C:\Users\Public\Desktop\ Subject Name	as "cn=Messaging Admin,cn= Created	Users, o=Internet" Change File Name	C X
Sodium CA Issue Certificate Sodium CA - SodiumCA (cn=SMTP EVAL CA,o=Internet) SodiumCa Operations Session View Help Sodium CA × Browse Connected to "Idap://ISODE-SMTP-EVAL:19389" CA Components Certificates Certificate Requests Directory to search for CSR C:\Users\Public\Desktop\ Subject Name	as "cn=Messaging Admin,cn=	Users, o=Internet"	C X
Sodium CA Issue Certificate Sodium CA - SodiumCA (cn=SMTP EVAL CA,o=Internet) SodiumCa Operations Session View Help Sodium CA × Forwse Connected to "Idap://ISODE-SMTP-EVAL:19389" CA Components Certificates Certificate Requests Directory to search for CSR C:\Users\Public\Desktop\ Subject Name	as "cn=Messaging Admin,cn= Created	Users, o=Internet" Change File Name	C X
Sodium CA Issue Certificate Sodium CA - SodiumCA (cn=SMTP EVAL CA,o=Internet) SodiumCa Operations Session View Help Sodium CA × Connected to "Idap://ISODE-SMTP-EVAL:19389" CA Components Certificates Certificate Requests Directory to search for CSR C:\Users\Public\Desktop\ Subject Name	as "cn=Messaging Admin,cn= Created	Users, o=Internet"	C X
Sodium CA Issue Certificate Sodium CA - SodiumCA (cn=SMTP EVAL CA,o=Internet) Sodium CA Operations Session View Help Sodium CA × Connected to "Idap://ISODE-SMTP-EVAL:19389" CA Components Certificates Certificate Requests Directory to search for CSR C:\Users\Public\Desktop\ Subject Name View Export PEM Export DER Issue Certificate D	as "cn=Messaging Admin,cn= Created	Users, o=Internet"	C X

Select the Certificate Requests Tab and Click "Change..." for the CSR Folder.

🗔 Choose a credentials directory			×
\leftarrow \rightarrow \checkmark \Uparrow Isode S	→ Certificates ~ Ō	Search Certificates	Q
Organize 👻 New folder			?
Na Quick access Desktop Downloads Documents Pictures Isode Software DVD Drive (D:) SSS_X6	me No items m	Date modified atch your search.	Туре
Network			>
Folder: Ce	rtificates	Select Folder Cancel	

Browse to your Certificates Folder and Click "Select Folder".

Sodium CA Issue Certificate

Sodium CA Issue Certificate

Sodium CA - SodiumCA (cn=SMTP EVAL CA,o=Internet) SodiumCa Operations Session View Help		-		×
Sodium CA ×				
Browse Connected to "Idap://ISODE-SMTP-EVAL:19389" CA Components Certificates Certificate Requests	as "cn=Messaging Admin,cn=	Users,o=Internet"		
Directory to search for CSR				
C:\lsode Software\Certificates		Change	Refresh	1
Subject Name	Created	File Name		
🐺 cn=dsa, o=Internet	Mon 03 Feb 07:54:57 GMT	rsa.p10		
<				>
View Export PEM Export DER Issue Certificate D	elete			

You should see your Certificate request there, select it and click "Issue Certificate...".

🧊 Issue Certific	ate for a CSR		-		×
Certificate Si	gning Reque	st			
The following is Certificate will	s the Certificate R be issued	equest for which	a		
6.15.4					_
Subject	cn=dsa,o=inte	ernet			
PublicKeyInfo	Algorithm: RS/	A, KeySize: 3072			_
DNS Name	ISODE-SMTP-EV	/AL			
The certificate re F2:54:2F:7D:91:24	equest for "cn=ds 4:98:6C:64:E7:4A:(;a,o=Internet" has C1:F1:2D:49:AE:2B	the following subje 78:59:81	tt key ident	ifier:
1	< Back	Next >	Finish	Cance	
Sodium CA Is	ssue Certifico	ate			
	cate for a CSK				×
Select and a	dd Subject A	Iternative Na	mes		×
Select and a This page allow	dd Subject A	Iternative Na	mes d, select		×
Select and a This page allow subject alternat	dd Subject A vs you to edit sub tive names from	Iternative Na oject DN if require the CSR and add	mes :d, select new ones		×
Select and a This page allow subject alternat	dd Subject A vs you to edit sub tive names from a,o=Internet	Iternative Na oject DN if require the CSR and add	mes d, select new ones		×
Select and a This page allow subject alternat Subject cn=ds Following are t	add Subject A syou to edit sub tive names from a,o=Internet the available sub : ISODE-SMTP-EV	Iternative Na oject DN if require the CSR and add	mes kd, select new ones		×
Select and a This page allow subject alternal Subject cn=ds Following are t DNS Name Add other subje	add Subject A vs you to edit sub tive names from a,o=Internet the available sub : ISODE-SMTP-EV ect alternative name	Jternative Na oject DN if require the CSR and add ject alternative na (AL mes to appear in	mes vd, select new ones ames : the certificate:		×
Select and a This page allow subject alternal Subject cn=ds Following are t Ø DNS Name Add other subje	add Subject A vs you to edit sub tive names from a,o=Internet the available sub : ISODE-SMTP-EV ect alternative name	Iternative Na oject DN if require the CSR and add ject alternative na /AL mes to appear in	mes kd, select new ones umes : the certificate:	Ad	d it
Select and a This page allow subject alternal Subject cn=ds Following are t DNS Name Add other subje	add Subject A vs you to edit sub tive names from ia,o=Internet the available sub : ISODE-SMTP-EV ect alternative name	Jternative Na oject DN if require the CSR and add ject alternative na (AL mes to appear in	mes d, select new ones mes : the certificate:	Ad	d

Click "Next>".

Sodium CA Issue Certificate

○ CA Certificate ● End Entity Certificate Key Usage ☑ Digital Signature					
CRL Sign	Non Repudiation Key Agreement Encipher Only	Key Encipherme	nt		
TLS WWW server authe Add OCSP No Check E CA Extensions Select the extensions to CRL Distribution Poin	entication entication be included in the co ts	ertificate		Edit	
Authority Information	n Access				

Click "Next>".

Sodium CA Issue Certificate

🧊 Issue Certificate for a CSR

D X

Set Validity and Signature Algorithm for the Certil Set the validity and Signature Algorithm for the Certificate and choose to delete the CSR

Valid From	3 Febru	ary 2025, 07	:58		Edit
Valid To	3 Febru	ary 2026, 07	:58		Edit
Lifetime					
Years:	1 🗘	Months:	0 🗘 Days: 0	+ Hours: 0	
					Reset
Signature Alg	gorithm	SHA256WI	THRSA		~
Delete the	CSR afte	r the Certific	cate generation		

Accept the defaults, Click "Next>".

	CSR		×	
ienerated Certifica	ite			
The following certificate	e will be generated.			
Subject	cn=dsa,o=Internet			
lssuer	cn=SMTP EVAL CA,o=Internet			
Valid from	Mon Feb 03 07:58:42 GMT 2025			
Valid to	Tue Feb 03 07:58:42 GMT 2026			
Serial	06:2B:55:19:10:9E:F9:19:C4:C6			
PublicKeyInfo	Algorithm: RSA, KeySize: 3072			
SignatureAlgorithm	SHA256WITHRSA			
CertificateType	Version v3 (Not a CA Certificate)	 		
xport to disk Write ce	ertificate in PEM format V			
Export to disk Write ce	ertificate in PEM format ✓	Cance	21	
Export to disk Write ce < Ba lick "Finish".	ertificate in PEM format V	Cance	21	
Export to disk Write ce < Ba lick "Finish". edium CA Issue Ce	ertificate in PEM format	Cance	2	
Export to disk Write ce < Ba lick "Finish". Dadium CA Issue Ce CSR Signed	ertificate in PEM format	Cance	al	

Click "OK" and return to M-Vault Console.

 \times

ОК

M-Vault Console	Certificate Import
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En Create TLS Identity for the Directory Server "cn=dsa,o=Internet"		×
Send request to a CA		
Decide how you will send this Certificate Request to a Certificate Authority		
The certificate request for "cn=dsa,o=Internet" must now be signed by a Certifica	ate Authority (C	CA).
Certificate Signing Request has been written to C:\\sode Software\Certificates\\sa.p.10.		
Encrypted private key has been written to C:\/sode\d3-db\x509\rsa.pem.	Save PKCS#1	10
Save the PEM format of request to a file for the CA administrator to process	Save DEM	
(suitable for Isode Sodium CA)	Surcrein	
Copy a PEM (base64 encoded) version of the request to the clipboard to be sent	Сору	
to a CA (e.g. via email)		
The private key file will be removed and replaced with a PKCS#12 file once identit completed.	y creation has l	been
		_
< Back Next > Finish	Cancel	
Select "Next>"		
Martin the Connector Constitution and		
M-Vault Console Certificate Import		
M-Vault Console Certificate Import	- 0	×
M-Vault Console Certificate Import Transformer (Construction Server "cn=dsa,o=Internet" Continue or defer identity creation	- 0	×
M-Vault Console Certificate Import The Directory Server "cn=dsa,o=Internet" Continue or defer identity creation Decide whether to continue with creation of the identity now	- 0	×
M-Vault Console Certificate Import Create TLS Identity for the Directory Server "cn=dsa,o=Internet" Continue or defer identity creation Decide whether to continue with creation of the identity now In order to complete the creation of this identify, you need the certificate from	- D	×
M-Vault Console Certificate Import Create TLS Identity for the Directory Server "cn=dsa,o=Internet" Continue or defer identity creation Decide whether to continue with creation of the identity now In order to complete the creation of this identify, you need the certificate from Authority.	- D	×
 M-Vault Console Certificate Import Create TLS Identity for the Directory Server "cn=dsa,o=Internet" Continue or defer identity creation Decide whether to continue with creation of the identity now In order to complete the creation of this identify, you need the certificate from Authority. If the certificate is not yet available, you can defer this operation and resume identify 		×
 M-Vault Console Certificate Import Create TLS Identity for the Directory Server "cn=dsa,o=Internet" Continue or defer identity creation Decide whether to continue with creation of the identity now In order to complete the creation of this identify, you need the certificate from Authority. If the certificate is not yet available, you can defer this operation and resume id O The CA has provided a certificate	- D	× e h later.
 M-Vault Console Certificate Import Create TLS Identity for the Directory Server "cn=dsa,o=Internet" Continue or defer identity creation Decide whether to continue with creation of the identity now In order to complete the creation of this identify, you need the certificate from Authority. If the certificate is not yet available, you can defer this operation and resume id The CA has provided a certificate I will complete this operation later 		× n later.
M-Vault Console Certificate Import Image: Create TLS Identity for the Directory Server "cn=dsa,o=Internet" Continue or defer identity creation Decide whether to continue with creation of the identity now In order to complete the creation of this identify, you need the certificate from Authority. If the certificate is not yet available, you can defer this operation and resume id The CA has provided a certificate I will complete this operation later	- Certificate	×
M-Vault Console Certificate Import Create TLS Identity for the Directory Server "cn=dsa,o=Internet" Continue or defer identity creation Decide whether to continue with creation of the identity now In order to complete the creation of this identify, you need the certificate from Authority. If the certificate is not yet available, you can defer this operation and resume id O The CA has provided a certificate O I will complete this operation later		× n later.
M-Vault Console Certificate Import In create TLS Identity for the Directory Server "cn=dsa,o=Internet" Continue or defer identity creation Decide whether to continue with creation of the identity now In order to complete the creation of this identify, you need the certificate from Authority. If the certificate is not yet available, you can defer this operation and resume id The CA has provided a certificate I will complete this operation later		× e
M-Vault Console Certificate Import Create TLS Identity for the Directory Server "cn=dsa,o=Internet" Continue or defer identity creation Decide whether to continue with creation of the identity now In order to complete the creation of this identify, you need the certificate from Authority. If the certificate is not yet available, you can defer this operation and resume id O The CA has provided a certificate O I will complete this operation later	the Certificate	× e a later.
M-Vault Console Certificate Import In create TLS Identity for the Directory Server "cn=dsa,o=Internet" Continue or defer identity creation Decide whether to continue with creation of the identity now In order to complete the creation of this identify, you need the certificate from Authority. If the certificate is not yet available, you can defer this operation and resume id The CA has provided a certificate I will complete this operation later		× :
M-Vault Console Certificate Import In create TLS Identity for the Directory Server "cn=dsa,o=Internet" Continue or defer identity creation Decide whether to continue with creation of the identity now In order to complete the creation of this identify, you need the certificate from Authority. If the certificate is not yet available, you can defer this operation and resume id The CA has provided a certificate I will complete this operation later		e e later.
M-Vault Console Certificate Import ■ Create TLS Identity for the Directory Server "cn=dsa,o=Internet" Continue or defer identity creation Decide whether to continue with creation of the identity now In order to complete the creation of this identify, you need the certificate from Authority. If the certificate is not yet available, you can defer this operation and resume id O The CA has provided a certificate O I will complete this operation later		× :
M-Vault Console Certificate Import Create TLS Identity for the Directory Server "cn=dsa,o=Internet" Continue or defer identity creation Decide whether to continue with creation of the identity now In order to complete the creation of this identify, you need the certificate from Authority. If the certificate is not yet available, you can defer this operation and resume id O The CA has provided a certificate O I will complete this operation later		× e
M-Vault Console Certificate Import ■ Create TLS Identity for the Directory Server "cn=dsa,o=Internet" Continue or defer identity creation Decide whether to continue with creation of the identity now In order to complete the creation of this identify, you need the certificate from Authority. If the certificate is not yet available, you can defer this operation and resume id O The CA has provided a certificate O I will complete this operation later		× : : later.
M-Vault Console Certificate Import ■ Create TLS Identity for the Directory Server "cn=dsa,o=Internet" Continue or defer identity creation Decide whether to continue with creation of the identity now In order to complete the creation of this identify, you need the certificate from Authority. If the certificate is not yet available, you can defer this operation and resume id O The CA has provided a certificate O I will complete this operation later	the Certificate	X
M-Vault Console Certificate Import ■ Create TLS Identity for the Directory Server "cn=dsa,o=Internet" Continue or defer identity creation Decide whether to continue with creation of the identity now In order to complete the creation of this identify, you need the certificate from Authority. If the certificate is not yet available, you can defer this operation and resume id O The CA has provided a certificate O I will complete this operation later	the Certificate	× e later.

Select the CA has provided a certificate and Click "Next>".

M-Vault Console C	ertificate Import			
The state TLS Identity f	or the Directory Server "cn=dsa,o=Internet"			×
User Certificate				
The following certificat	e matches the certificate request for this identity			
Subject	en-des o-Internet			
Subject				- 1
Issuer	cn=SMIPEVAL CA,o=Internet			
Valid from	Mon Feb 03 07:58:42 GMT 2025			
Valid to	Tue Feb 03 07:58:42 GMT 2026			- 1
Serial	4+:Ab:C4:Cb:F8:0F:C2:42:Eb:b4			
PublicKeyInfo	Algorithm: RSA, KeySize: 30/2			-
SignatureAlgorithm	SHA256WITHRSA			41
CertificateType	Version v3 (Not a CA Certificate)			
Display Detailed Inform	nation			
	< Back Next > Finish		Cancel	
A-Vault Console C	ertificate Import or the Directory Server "cn=dsa,o=Internet"	_		×
Other certificates				
Specify other certificate	es to be used for the trust chain			
The identity must inclu chain includes all certifi The wizard has found a new identity.	de a chain of certificates that contains at least one CA ce cates from the end entity certificate to a self-signed CA o self-signed CA certificate and so has a complete certific	rtificat certific :ate ch	e. A com ate. aain for th	plete e
Туре	Certificate	Ad	d certifica	ite
End entity Self Signed CA	cn=dsa,o=Internet cn=SMTP EVAL CA,o=Internet			
<	>			
Chain status Castl	cate chain is complete	_		
Chain status: Certifi	cate chain is complete			
	< Back Next > Finish		Cance	I

Click "Next>".

M-Vault Console Certifica	te Import					
E Create TLS Identity for the	e Directory Server	"cn=dsa,o=Intern	et"			\times
Finish directory server	's Identity cre	ation				
Confirm the directory server	's identity creatio	n				
Press "Finish" to configure th	is as the Director	y Server's TLS (RSA) Identity			
Also use this identity for X	.509, overwriting	existing X.509 ide	ntity			
LDAP clients using startTLS o unless the mechanism is ena	ften use SASL EXT bled.	TERNAL to authen	ticate, and wi	ll be una	ble to do	so
Enable "EXTERNAL" SASL	mechanism					
	< Back	Next >	Finish		Cance	el 🛛

Uncheck the "Enable "EXTERNAL" SASL mechanism". Click "Finish".

M-Vault Console Certificate Import



Click "Yes".

M-Vault Console Certificate Import

Create	Refresh greements 曽 Databases 日 Peer DS TLS (Transport Layer Security)	As 🗐 Log Streams	OCSP Services	
 ♂ Operation ☆ Logging ☆ Superior Knowledge I SASL ♥ TLS ♥ X.509 ♂ Password Policy 	Identities A SASL Attributes The directory server can have one (RSA, DSA and ECDSA) which is st	Trust Anchors Other identity for each of the ored in a passphrase-pr	CA Certificates LD/ supported key types rotected PKCS#12 file	• •
Shadowing Shadowing Shadowing Shadowing Multimaster Withmaster Okuth OCSP Security Labels LDAP Changelog	Identity	Key Type RSA	Create Resume Pick Remove View	
	<	>	Generate CSR Update	~

Click "Apply"

M-Vault Console Certificate Import

In cn=dsa,o=Internet / Messaging / File Help ⊕ Create → — Remove ۞ ۞ Configuration □ Stadow 60	Admin - M-Vault Console Refresh	🔲 Log Straame		×
Address Operation Cogging Superior Knowledge SASL TLS X.509	TLS (Transport Layer Security) Management of identities and other co Identities Attributes Trust Anchors The directory server can have one ide (RSA, DSA and ECDSA) which is store	onfiguration related to ofther CA Certificate entity for each of the su ed in a passphrase-prote	TLS. s LDAP Server pported key types ected PKCS#12 file	1)
 Password Policy Shadowing Failover Multimaster HTTP Services OAuth OCSP Security Labels LDAP Changelog 	Identity and cn=dsa,o=Internet	Key Type RSA	Create Resume Pick Remove View Generate CSR Update	v
Abort Session is bound for "	cn=dsa,o=Internet". Last data refresh: 3 Feb	oruary 2025 at 07:44:52 (Apply	Cancel

Your M-Vault Server now has TLS configured and you are ready to proceed to configuring Users with Cobalt.

Provisioning Users with Cobalt

You will now provision two Users for this Messaging System using Cobalt. Point your Browser to the URL below.

https://localhost:8001

~	F	Privac	y erro	r					×		+		-	٥	×
<	-	\rightarrow	C	(No	t secu	ire	h	ttps:/	/lo	ocalhost:8001	Google Lens	☆		:
1															
1								/	A						
									•						
							1	Yo	ur	C	onnection is not private				
							,	\+++	ckon		might be trying to steal your information from localbert (for example				
							F	bas	swor	ds	, messages or credit cards). <u>Learn more about this warning</u>				
							N	NET:	ERR_C	CEF	RT_AUTHORITY_INVALID				
								5	2 1	u	rn on enhanced protection to get Chrome's highest level of security				
							(_	duan		Rock to catatu				
1							(4	avano	ceo	back to safety				

Click "Advanced".

Privacy error	× +	-	٥	×
> C 📀	Not secure https://localhost:8001	☆		:
	Your connection is not private			
	Attackers might be trying to steal your information from localhost (for example, passwords, messages or credit cards). <u>Learn more about this warning</u>			
	NET::ERR_CERT_AUTHORITY_INVALID			
	Q <u>Turn on enhanced protection</u> to get Chrome's highest level of security			
	Hide advanced Back to safety			
	This server could not prove that it is localhost ; its security certificate is not trusted by your computer's operating system. This may be caused by a misconfiguration or an attacker			
	intercepting your connection.			

Click "Proceed to localhost (unsafe)".

Cobalt Initial Setup.

Initial Cobalt Configuration		Bootstrap Mode
Initial Server Configuration Use an existing directory server or create a new one for storing Cobalt configuration	and domain data	
Directory server Choice Choice of using an existing directory server or creating a new one Create a new directory server Use an existing directory server Use Cobalt configuration from an existing directory server	Required	
Next • Required fields missing	Back Cancel	

Select "Use an existing directory server".

Cobalt Initial Setup.

nitial Cobalt Configuration			9	Bootstrap Mode
Initial Server Configuration (2/3) Existing directory server address and bind credentials				
Master Directory Server Hostname The hostname of the LDAP server that holds users and roles		Required		
ISODE-SMTP-EVAL				
Master Directory Server Port The port number of the LDAP server that holds users and roles				
19389		Use default		
Cobalt Server DN The bind DN to be used by the Cobalt Server when connecting to the master directory server		Required		
	Choose			
Cobalt Server's bind password		Required		

Check the "Hostname" matches your server. Next to the Cobalt Server DN Click "Choose".

Cobalt Initial Setup.

Search for cobalt server dn			×
Q mess			ISODE-SMTP-EVAL:19389
Messaging Configuration	cn=Messaging Configura	ation,o=	Internet
Messaging Admin	messaging.admin@inter cn=Messaging Admin,cn	net.net =Users	t ,o=Internet
Messaging Configuration Managers	cn=Messaging Configura	ation M	anagers,cn=Groups,o=Interr
Messaging Configuration Viewers	cn=Messaging Configura	ation Vi	ewers,cn=Groups,o=Internet



Start typing "mess" and then Select "Messaging Admin".

Cobait initial Setup	It Initial Setur).
----------------------	------------------	----

Cobalt Server DN	Require
The bind DN to be used by the Cobalt Server when connecting to the master directory server	
cn=Messaging Admin,cn=Users,o=Internet	ose
Cobalt Server's bind password	Require
The password associated with the bind DN, which the Cobalt Server uses when connecti More	
ILS Identity Check	
Perform bostname check More	
eron noscione creck, morea.	
False O True	Use defaul
False O True	Use defaul
False True Tooffiguration Naming Context Variation ville stored and first domain wille. More	Use defaul Require
False True Configuration Naming Context Naming context under which the Cobalt configuration will be stored and first domain will More	Use defaul
False True Tonfiguration Naming Context Naming context under which the Cobalt configuration will be stored and first domain will More Cho	Use defaul Require
False True Configuration Naming Context Naming context under which the Cobalt configuration will be stored and first domain will More Cho	Use defaul Require
False True Tonfiguration Naming Context Naming context under which the Cobalt configuration will be stored and first domain will More Cho	Use defaul Require

Enter the Messaging Admin Password and Click Choose next to the Configuration Naming Context.

 Cobalt Initial Setup.

 Select configuration naming context

 ISODE-SMTP-EVAL:19389

 Internet

 o=Internet

Select	Cancel	
		4
Select "Internet" and Click "Select".		

Cobalt Server DN		Require
The bind DN to be used by the Cobalt Server when connecting to the master directory server		
cn=Messaging Admin,cn=Users,o=Internet	Choose	
Cobalt Server's bind password		Require
The password associated with the bind DN, which the Cobalt Server uses when connecti More		
TLS Identity Check		
Perform hostname check. More		
Perform hostname check. More False O True		Use defau
Perform hostname check. More False O True Configuration Naming Context		Use defau Requir
Perform hostname check. More False True Configuration Naming Context Naming context under which the Cobalt configuration will be stored and first domain will More		Use defau Requir
Perform hostname check. More False True Configuration Naming Context Naming context under which the Cobalt configuration will be stored and first domain will More o=Internet	Choose	Use defau Requir
Perform hostname check. More False True Configuration Naming Context Naming context under which the Cobalt configuration will be stored and first domain will More o=Internet	Choose	Use defau Requir
Perform hostname check. More False True Configuration Naming Context Naming context under which the Cobalt configuration will be stored and first domain will More o=Internet	Choose	Use defau

Click "Next".

Cobalt Initial Setup.

Initial Cobalt Configuration

Initial Server Configuration (3/3)		
Details about location of users and configuration		
Domain		
Domain		Required
The domain to use for the initial Cobalt Administrator		
internet.net		
Admin's Full Name		Required
Name of the initial Cobalt Administrator		
Cobalt Admin		
Admin's mail ID		Required
ID of the initial Cobalt Administrator to be used for logging into	Cobalt	
cobalt admin	@internet.net	

On this screen enter "internet.net" for the domain and your choice for the Cobalt Admin Name. The Admin's mail ID will auto-populate. Then scroll down.

Cobalt Initial Setup.

			Require
The domain to use for the initial Cobalt Administrator			
internet.net			
Admin's Full Name			Require
Name of the initial Cobalt Administrator			
Cobalt Admin			
\dmin's mail ID D of the initial Cobalt Administrator to be used for logging i	nto Cobalt		Require
cobalt.admin	Ø	internet.net	
Admin's password			Require
Admin's password Admin's password			Require
Admin's password Admin's password	Show	Generate	Require
Admin's password Admin's password	Show	Generate	Require

Enter a Password of your choice (again we suggest "secret") and Click "Show" to check it. Then Click "Finish". The following screen will be displayed.

Cobalt Login.

Cobalt	
Username:	Required
user@example.com	
Password:	Required
Login	

Enter the Login details you just created.

Cobalt Login.

کی Cobalt	
Username:	Required
cobalt.admin@internet.net	
Password:	Required
Login	

Click "Login".

Cobalt Login.

्र्र् Cobalt
"cobalt.admin@internet.net" has multiple authorizations. Select which one to use
Cobalt Administrator
internet.net: Manage Everything
internet.net: Myself
Continue
Cancel

Select "internet.net: Manage Everything", Click "Continue".

🕰 Cobalt	Users	Q Search		:	Actions 🔻	Add	Secobalt.admin@ir Domain: internet.net View: Manage Everything	nternet.n
📇 Users		Full Name	¢	Mail	\$	Status ‡	Last Authentication	\$
Domain Administrators		Cobalt Admin		cobalt.admin@interr	net.net	Active	<unknown></unknown>	>
	Non-G	deleted users		\$				1 user

Click "Add".

Cobalt User Provisioning.

🕰 Cobalt	Add User Cobalt.admin@intern Users > Add Cobalt.admin@internet.net View: Manage Everything	et.net
📇 Users	Lines Entry	Î
Lomain Administrators	Attributes for this user	
	Personal Contact Photo/Certificate Messaging Advanced	
	Full Name	Requ
		- 1
	Given Name	
	Surname	Requ
	4	*

Type a Full Name, in this guide "User One", the other fields will auto-populate.

Cobalt User Provisioning.

🕰 Cobalt	Add User Users > Add Comming C	t.net
🚢 Users		Î
20 Domain Administrators	Attributes for this user	
	Personal Contact Photo/Certificate Messaging Advanced	
	Full Name	Requ
	User One	ł
	Given Name	
	User	
	Surname	Requ
	One	

Scroll down, and enter a Password, we suggest "secret".

Cobalt User Provisioning.

🕰 Cobalt	Add User	8	cobalt.admin@in Domain: internet.net View: Manage Everything	iternet.net
📇 Users		Show	Generate	*
≗ ∂ Domain Administrators	Primary Email Address and XMPP JID		@internet.net	Requ
	Alternative Email Addresses Alternative email addresses for the user	nternet.ne	et × +	
	Entry Type Type of address (used by address book of applications) for this user entry User Add		¢	Canci

Click "Add".

Cobalt User Provisioning.							
🕰 Cobalt	User	S Q Search	:	Actions 🔻	Add	9 cobalt.admin@inte Domain: internet.net View: Manage Everything	ernet.ne
📇 Users		Full Name 🗘	Mail	÷	Status 🗘	Last Authentication	\$
💂 Domain Administrators		Cobalt Admin	cobalt.admin@interr	net.net	Active	<unknown></unknown>	>
		User One	user.one@internet.n	net	Active	<unknown></unknown>	>

User One has now been successfully added.

Repeat the Process for User Two.

🕰 Cobalt	User	'S Q Search		Actions 🔻	Add	cobalt.admin@int Domain: internet_net View: Manage Everything	ernet.ne
📇 Users		Full Name 🗘	Mail	\$	Status 🗘	Last Authentication	¢
Domain Administrators		Cobalt Admin	cobalt.admin	@internet.net	Active	<unknown></unknown>	>
		User One	user.one@int	ernet.net	Active	<unknown></unknown>	>
		User Two	user.two@int	ernet.net	Active	<unknown></unknown>	2

User Two has now been successfully added.

This completes the provisioning for the Domain internet.net we will return towards the end of this guide to Add Users for x400.net, these will act as Address Book entries only.

We will now configure the Harrier Server for this domain.

Configuring Harrier

The Harrier Server needs to be configured before it can be used to connect to M-Switch/M-Vault/M-Box. The Harrier Service is automatically started on Windows and is started with the Command below on Linux.

systemctl start harrier

To Start configuring Harrier point your browser to https://localhost:9095.

Initial Harrier Screen.

•	Privad	ty error		×	+	-	٥	×
÷	\rightarrow	G	Not secure	https://	localhost:9095	☆	-	:
1								
				A				
				our o	onnection is not private			
			F	Attackers	might be trying to steal your information from localhost (for example,			
			F	JET::ERR C	s, messages or credit cards). <u>Learn more about this warning</u>			
				_				
				QI	um on enhanced protection to get Chrome's highest level of security			
			(Advanc	Back to safety			

Click "Advanced".

Initial Harrier Screen.

•	Privacy error		×	+	-	٥	×
÷	\rightarrow C	8 Not secure htt	:ps ://	ocalhost:9095	☆	2	:
		You Attack passw NET-ER	r cc ters r ords, R_CEF	prinection is not private night be trying to steal your information from localhost (for example, messages or credit cards). <u>Learn more about this warning</u> T_AUTHORITY_INVAUD			
		Q Hidd This se compu interce	Tur e adva erver uter's eptin d to I	n on enhanced protection to get Chrome's highest level of security Reack to safety could not prove that it is localhost ; its security certificate is not trusted by your operating system. This may be caused by a misconfiguration or an attacker g your connection. scalhost (unsafe)			

Click "Proceed to localhost (unsafe)".

Register Initial Harrier Admin.

Register initial administrator user These initial manager credentials will be used to log in to the manager interface, for initial configuration of the server.				
Login Manager login (letters, numbers and symbols other than More admin	Required			
Password Manager password (no character restrictions)	Required			
Submit	Cancel			

Choose a Login name of you choice or accept the default and a password (again we suggest "secret"). Click "Submit". The follwing screen is displayed

Initial Harrier Screen.

🕤 Harrier Manager	Configuration 🖾 Moni	itor	e ~
🛠 Main Menu	Global Options		
Global options			A
🛎 Domains (0)	③ Server configuration		
S Listeners	Server name		
L TLS	Harrier Used in various places (user agent name etc).	🗹 Use default	
PKCS#11	Server host		
다 Proxy (0)		✓ Use default	
S/MIME	Used in message generator ID etc. More		
۶ Manager	Default login domain		
Logging Streams (2)	Used when someone logs in without specifying a domain. I	More	
Advanced options:	Runtime user		•

From the left-hand menu select "Domains".

Harrier Domain Configuration.

💮 Harrier Manager	Configuration	Monitor	8 ~
🎗 Main Menu	Domains		Add
😚 Global options			
🚢 Domains (0)	③ Non-global configuration option	ns associated with specific user/role - usually with domain	
S Listeners	There are no items to display. Get sta	rted by adding one above.	

Click "Add ... "

Harrier Domain Configuration.

() Harrier Manager	Configuration I Monitor	8 ~
Main Menu	Add new item to Domains	
🐣 Domains (0) 🗸 🗸		
	① Domain	
	Domain name or pattern Required	
	Configuration selector. More	
	Mode	
	Military	
	Whether or not the server is running in one of military modes: "Military", "ACP 127" or "Internet" mode.	
	Enable message correction, cancellation and retransmission	
	Use default	
	Whether or not the server should allow message corrections, cancellations and retransmissions.	
Advanced options:	Session timeout	•

Enter "internet.net" for the "Domain name or pattern" and select "Internet" for the "Mode".

() Harrier Manager	Configuration I Monitor	8 ~
Main Menu	Add new item to Domains	
🛎 Domains (0) 🔹 👻		*
	① Domain	
	Domain name or pattern Required	- 1
	internet.net	_
	Configuration selector. More	_
	Mode	_
	Internet Use default	
	Whether or not the server is running in one of military modes: "Military", "ACP 127" or "Internet" mode.	
	Enable message correction, cancellation and retransmission	
	Use default	
	Whether or not the server should allow message corrections, cancellations and retransmissions.	
Advanced options:	Session timeout	÷

Harrier Domain Configuration.

Scroll down.

Harrier Domain Configuration.

🕥 Harrier Manager	Configuration 🖾 Monitor	
🛠 Main Menu	Add new item to Domains	
🐣 Domains (0) 🛛 🗸	30min Session killing on long inactivity. More	✓ Use default
	Auto-save period 5m Auto-save edited messages period (0 means disabled). More	Vse default
	Notify unread deletion Generate MDNs when unread messages get deleted/moved to Trash.'	Vse default
	Role self The self Enable adding login name to the list of roles.	Use default
Advanced options:	Add	Cancel

Make sure "Role self" is checked and click "Add".

💮 Harrier Manager	Configuration 🖾 Monitor	e ~
Main Menu	internet.net	Delete Add another
🛎 Domains (1) 🛛 🗸	30min	✓ Use default
internet.net 🗸 🗸	Session killing on long inactivity. More	
Action thresholds	Auto-save period	
IMAP server	5m Auto-save edited messages period (0 means disabled). More	☑ Use default
LDAP >	Notify unread deletion	
Organisations	Generate MDNs when unread messages get deleted/moved to Trash.'	☑ Use default
SIC	Role self	
SIO		Use default
S/MIME	Enable adding login name to the list of roles.	
Advanced options:	Submit	Cancel

Harrier Domain Configuration.

From the left-hand menu select "IMAP Server".

Harrier Domain Configuration – IMAP Server.

💮 Harrier Manager	Configuration S Monite	or and a second s	8 ~
🛠 Main Menu	IMAP server		
🐣 Domains (1) 🗸 🗸			
internet.net 🗸 🗸	① IMAP Server options defines how Harrier connection	cts to IMAP server.	
Action thresholds	Primary URL		
IMAP server	imap://\$(domain):143	✓ Use default	
LDAP >	Backup URL		
Organisations		✓ Use default	
SIC	The backup IMAP server URL. More		
SIO	STARTTLS policy		
S/MIME	Controls use or non use of STARTTLS. More	♥ Use default	
Advanced options:	Trust anchors		

Enter "imap://127.0.0.1:143" for the "Primary URL".

💮 Harrier Manager	Configuration Science Monitor	
🛠 Main Menu	IMAP server	
🐣 Domains (1) 🛛 🗸		
internet.net 🗸 🗸	① IMAP Server options defines how Harrier connects to IMA	P server.
Action thresholds	Primary URL	
IMAP server	imap://127.0.0.1:143 The primary IMAP server URL. More	Use default
LDAP >	Backup URL	
Organisations		🕑 Use default
SIC	The backup IMAP server URL. More	
SIO	STARTTLS policy	_
S/MIME	Controls use or non use of STARTTLS. More	Use default
Advanced options:	Trust anchors	

Harrier Domain Configuration – IMAP Server.

Scroll down, Click Submit and then from the left-hand menu select "LDAP".

Harrier Domain Configuration – LDAP Server.

🕤 Harrier Manager	Configuration II Monitor	8 ~
🛠 Main Menu	LDAP	
🐣 Domains (1) 🔹 🔨	• •	
internet.net	COMP access and how to find / store information	
LDAP 💊	*	
Server		
Server auth		
Address book		
Org. address books (1)	>	
Roles		
Draft & release		
Advanced options:		

From the left-hand menu select "Server".

Harrier Domain C	Configuration –	LDAP Server.
------------------	-----------------	--------------

💮 Harrier Manager	Configuration Monitor	Θ~
Main Menu	Server	
🛎 Domains (1) 🛛 🗸 🗸		-
internet.net 🗸 🗸	① LDAP Server options defines how Harrier connects to LDAP server.	
LDAP 💙	Primary URL	
Server	The primary LDAP server URL. More	
Server auth	This is being used as the default in the following places: • /Domains/internet.net/LDAP/Org. address books/Local Org Address	
Address book	Book/Server/Primary URL	
Org. address books (1) >	✓ Use default	
Roles	The backup LDAP server URL. More	
Draft & release	 /Domains/internet.net/LDAP/Org. address books/Local Org Address Book/Server/Backup URL 	
Advanced options:	Trust anchors	

Enter "ldap://127.0.0.1:19389" for the "Primary URL".

Harrier Domain Configuration – LDAP Server.

💮 Harrier Manager	Configuration Monitor	e ~
🛠 Main Menu	Server	
🐣 Domains (1) 🛛 🗸		
internet.net 🗸 🗸	 LDAP Server options defines how Harrier connects to LDAP server. 	
LDAP 🗸	Primary URL	
Server	Idap://127.0.0.1:19389 Use defa	ult
Server auth	This is being used as the default in the following places: • /Domains/internet.net/LDAP/Org. address books/Local Org Address Page/Conver/Drimper UP	
Address book	Backup URL	
Org. address books (1)	Vse defa	ult
Roles	The backup LDAP server URL. More	
Draft & release	This is being used as the default in the following places: • /Domains/internet.net/LDAP/Org. address books/Local Org Address Book/Server/Backup URL	
Advanced options:	Trust anchors	

Scroll to the bottom.

🕥 Harrier Manager	Configuration 🖾 Monitor	8 ~
🛠 Main Menu	Server	
🐣 Domains (1) 🛛 🗸 🗸	Use default	-
internet.net 🗸 🗸	The backup LDAP server URL. More This is being used as the default in the following places: • //Domains/internet.net/I/DAP/Ore_address.books/I/ocal.Org.Address	
LDAP 🗸	Book/Server/Backup URL	
Server	Trust anchors	
Server auth	+ Add item	
Address book	Connections to the LDAP server using TLS, will fail unless the LDAP server's certificate can be verified against these trust anchors.	
Org. address books (1)	Pinned certificates	
Roles	Add item If LDAP server certificate is not issued by any trusted CA pinned certificates allows to specify	
Draft & release	trustworthy certificates directly (see: "Trust anchors").	
Advanced options:	Submit Cancel	

Harrier Domain Configuration – LDAP Server.

Click "Submit". Return to the "internet.net" configuration level on the left-hand menu

🕤 Harrier Manager	Configuration Monitor		e ~
internet.net 🗸 🗸	internet.net		Delete Add another
Action thresholds	Enable message correction, cancellation and retransmission		-
IMAP server		✓ Use default	
LDAP >	Whether or not the server should allow message corrections, cancellation retransmissions.	ns and	
Organisations	Session timeout		
SIC	30min	🗹 Use default	
SIO	Auto-save period		
S/MIME	5m	🗸 Use default	
SMTP server	Auto-save edited messages period (0 means disabled). More		
User interface	Notify unread deletion		
Advanced options:	Generate MDNs when unread messages get deleted/moved to Trash.'	U ose deladit	. A A A A A A A A A A A A A A A A A A A

Harrier Domain Configuration – SMTP Server.

From the left-hand menu select "SMTP server"

🕥 Harrier Manager	Configuration I Monitor	
internet.net	Y SMTP server	
Action thresholds		
IMAP server	③ SMTP server options defines how Harrier connects to SMTP server.	
LDAP	> Primary URL	
Organisations	smtp://\$(domain):587 The primary SMTP server URL. More	
SIC	Backup URL	
SIO	✓ Use default	
S/MIME	The backup SMTP server URL. More	
	STARTTLS policy	
SMTP server	License	
User interface	Controls use or non use of STARTTLS. More	
Advanced options:	Trust anchors	

Harrier Domain Configuration – SMTP Server.

Enter "smtp://127.0.0.1:587" for the "Primary URL".

Harrier Domain (Configuration –	SMTP Server.
------------------	-----------------	--------------

💮 Harrier Manager	Configuration I Monitor	8 ×
internet.net 🗸 🗸	SMTP server	
Action thresholds		
IMAP server	③ SMTP server options defines how Harrier connects to SMTP server.	
LDAP >	Primary URL	
Organisations	smtp://127.0.0.1:587 Use default The primary SMTP server URL. More	
SIC	Backup URL	
SIO	☑ Use default	
S/MIME	The backup SMTP server URL. More	
SMTP server	License Use default	
User interface	Controls use or non use of STARTTLS. More	
Advanced options:	Trust anchors	٤

Scroll down to the bottom.

🕥 Harrier Manager	Configuration Monitor	θ ~
internet.net 🗸 🗸	SMTP server	
Action thresholds	STARTTLS policy	
IMAP server	License	
LDAP >	Controls use or non use of STARTTLS. More	
Organisations	Trust anchors	
SIC	+ Add item	
SIO	verified against these trust anchors.	
S/MIME	Pinned certificates	
SMTP server	+ Add item If SMTP server certificate is not issued by any trusted CA (see: "Trust anchors") pinned	
User interface	certificates allows to specify trustworthy certificates directly.	
Advanced options:	Submit Cancel	٠

Harrier Domain Configuration – SMTP Server.

Click "Submit".

This completes the configuration of the Harrier Server. We are not ready to test the solution.

Testing the Solution with Harrier

We will now login to Harrier as the User user.one@internet.net and send a message to user.two@internet.net .

Point your browser at https://localhost:9090

Harrier login.

V S Harrier	× +			-	٥	×
	terre https://localhost	:9090/login?redirect=%2F		☆		:
		() Harri) er			
		Username:	Required			
		Password:				

This application uses cookies

Harrier uses cookies to track session state. This does not include personal information.

Acknowledge

Click "Acknowledge".

Harrier login.

(S) Harrier	
Username:	Required
Password:	Required
Login	
Remember username	
Close other sessions	

Enter user.one@internet.net and the Password you set for this User.
Harrier login.

(S) Harrier	
Username:	Required
user.one@internet.net	
Password:	Required
Login	
Remember username	
Close other sessions	

Click "Login"

Harrier Client Inbox.

V 🕤 User One 🗙	+	- 0 ×
← → C	ps://localhost:9090/folder/user.one%40internet.net/user.one%40internet.net/INBOX	☆ 😩 :
Com Compose Tor Review	Allow Block	O User One
	The password that you just used was found in a data breach. Google Password Manager recommends changing your password now.	
🗐 ІЛВОХ		
Drafts	ОК	
Drafts for Review		
ப் Sent		
Archives	No messages	
🛇 Junk		
茴 Trash		
FOLDERS +		
Dutbox		

Click "Allow" for Notifications and "OK" for the weak password, then click "Compose".

Harrier Client Compose.

COMPOSE (no subject)	-	•	×
FROM			^
User One			
то			
User			
User One			
User Two			
BCC			
SUBJECT			
Set an optional subject for the message			•
Send 0 MIF	8		:

Start typing in the "To" field and Address Matches will appear, select the one you want to send to.

Harrier Client Compose.

-	0	×	
			•
			Ŧ
8			
	-		

Complete the Subject and Message fields and Click "Send". Then open a New Browser Tab and Login as User Two.

Harrier Client Inbox.

🕤 Harrier		🖪 🌲 🗢 🧕 User Two
Compose	0 D = D = 🕹 🛓 🗎	\ll $<$ 1 of 1 > >>
Compose for Review	Flags Originator Subject	Date
A	User One Hello	03-Feb-2025 08:55
E INBOX		
Drafts		
Drafts for Review		

The message is received. Select the Message to display it.

Harrier Client Message Display.

🚫 Harrier	🖪 🌲 🌩 🤮 User Two	
Compose	≤ m + m + m + m + m + m + m + m + m + m	
Compose for Review	User Two	
🗉 ІЛВОХ	From: User One	
Drafts	Sent: 03-Feb-2025 08:55	
Drafts for Review	Hello	
ர் Sent	To: User Two	
🔁 Archives		
🛇 Junk	Hello User Two	
茴 Trash	From User One	
FOLDERS +		-
Dutbox		

Your SMTP server is now ready for use.

External SMTP Servers can be connected using DNS or Manually specified. In the next section we will configure an external SMTP Server Manually.

Configuring an External SMTP Server

In this section we will manually configure an External SMTP Server. The External domain we will use is x400.net and will involve the following steps.

- Adding the x400.net domain and Users to Cobalt so that the Address book provides Harrier with the remote addresses.
- Configure the Routing Tree and External MTA in M-Console.

Adding the External Domain in Cobalt

Login to Cobalt as the Cobalt Administrator

Cobalt Administrator Login.

Cobalt Domain Add.

🕰 Cobalt	Domains	Cobalt.admin@internet.net Cobalt Administrator View: Cobalt Administrator
🏟 Configuration	internet net	
Domains	Configure →	
Directory Servers	Settings → Features →	
a dministrators	Attributes → Manage Administrators →	
	+	

Then from the "Domains" Menu Click "+".

🕰 Cobalt	Add domain Domains > Add Cobalt.admin@intern View: Cobalt.administrator View: Cobalt.administrator	iet.net
🔹 Configuration		Ì
Domains	Domain Configuration	
Directory Servers	Domain Name	Requ
Log Administrators	x400.net	
₽ HSMs	Directory Server for the Domain Select a directory server from the configured list. More Default directory server (ISODE-SMTP-EVAL:19389,Internet) \$	Requ
	Login ID Attribute This should be set to the default value (mail) for messaging configurations mail	se defa
	Add	Canc

Enter the External Domain (x400.net) in this example. Click Add.

Cobalt Domain Add.

🕰 Cobalt	Domains	
🕸 Configuration	internet net	
Domains	Configure →	•
Directory Servers	Settings → Features → Attributes →	
Log Administrators	Manage Administrators →	
P HSMs	x400.net	:
	Configure → Settings →	
	Features → Attributes → Manage Administrators →	
	(+)	

Click "Manage Administrators".

Cobalt Domain Add.

🕰 Cobalt	Administrators (x400.net)		Cobalt.admin@ Cobalt Administrator View: Cobalt Administr	internet.net
🔅 Configuration	Name \$	Domain \$	Number of Occupants	\$
Domains	Manage Everything	x400.net	0	Σ
	Users and Roles Manager	x400.net	0	>.
Directory Servers	Users Manager	x400.net	0	>
Lange Administrators	Roles Manager	x400.net	0	>
HSMs	OAuth Administrators	x400.net	0	>
	Users and Roles Viewer	x400.net	0	>
				6 managers

Select "Manage Everything".

Cobalt Domain Add.

🕰 Cobalt	x400.net: Manage Everything Domains > Administrators (x400.net) > Manage Everything Cobalt.administrator View: Cobalt.administrator	ernet.net
🕸 Configuration		Â
Domains	Cobalt Administration Role Manage users that can occupy this administration role	- 1
Directory Servers	Domain	Requ
20 Administrators	x400.net	- 1
₽ HSMS	Name Manage Everything	Requ
	Users that can occupy this role	- 1
	< Empty > Search	
	Update	Canc

Click "Search".

Cobalt Domain Add.

		×
@	internet.net	¢
	cobalt.admin@inte	ernet.net
		Cancel
	0	internet.net cobalt.admin@inte

From the drop down menu on the top right select "internet.net" and start typing "co…" and the entry "Cobalt Admin" will display. *Cobalt Domain Add.*

Search for User ID			×
Q co	0	internet.net	\$
✓ Select All			
Cobalt Admin		cobalt.admin@inf	ernet.net
cobalt.admin@internet.net ×			
Select			Cancel

Select it and the Click "Select".

Cobalt Domain Add.

🕰 Cobalt	x400.net: Manage Everything Domains > Administrators (x400.net) > Manage Everything Cobalt Administrator View: Cobalt Administrator View: Cobalt Administrator	ternet.net
🕸 Configuration	Coholt Administration Bala	,
Domains	Cobalt Administration Role Manage users that can occupy this administration role	- 1
Directory Servers	Domain	Requ
Log Administrators	x400.net	- 1
₽ HSMs	Name Manage Everything	Reqi
	Users that can occupy this role Cobalt Admin × Search	
	Update	Canc -

Click "Update".

Cobalt Domain Add.

🕰 Cobalt	Administrators (x400.net)			Cobalt.admin@inte Cobalt Administrator View: Cobalt Administrator	rnet.net
Configuration	Name	¢	Domain	\$ Number of Occupants	\$
Domains	Manage Everything		x400.net	1	>
	Users and Roles Manager		x400.net	0	>
Directory Servers	Users Manager		x400.net	0	>
Lo Administrators	Roles Manager		x400.net	0	>
A HSMs	OAuth Administrators		x400.net	0	>
	Users and Roles Viewer		x400.net	0	>

Click on the Username Box in the Top Right.

Cobalt External Domain Users Add.

Account	×
Product Activation	
Customer Reference: Product: Version: Versions up to: Expiry date: Features: Update product features	Eval Guides update Cobalt 1.5v3-0 1.6 31-DEC-2026 TLS Update Key
Switch View	Deactivate
Logout End All Sessions	
Cobalt Administration Third Party Software	Guide

Select "Switch View".

Cobalt External Domain Users Add.

کک پ Cobalt
"cobalt.admin@internet.net" has multiple authorizations. Select which one to use
Cobalt Administrator
internet.net: Manage Everything
x400.net: Manage Everything
internet.net: Myself
Continue
Cancel

Select "x400.net: Manage Everything". Click "Continue".

Cobalt External Domain Users Add.

🕰 Cobalt	Users Q bearch	Actions ~ Add	Cobalt.admin@internet.ne Domain: x400.net View: Manage Everything
🛎 Users			
20 Domain Administrators			

Now Add the Users "User One X.400" and "User Two X.400" in the same way as you added the Users for "internet.net" making sure their email addresses are "user.one@x400.net" and "user.two.@x400.net".

Cobalt External Domain Users Add.

🕰 Cobalt	User	'S Q Search	: Actions -	Add	Cobalt.admin@inte Domain: x400.net View: Manage Everything	rnet.ne
📇 Users		Full Name	\$ Mail \$	Status 🗘	Last Authentication	¢
🗣 Domain Administrators		User One X400	user.one@x400.net	Active	<unknown></unknown>	>
		User Two X400	user.two@x400.net	Active	<unknown></unknown>	>

You have now added the External Users and can now go to M-Console to Configure the Routing and External MTA.

Adding and Configuring the External Domain in M-Console

From M-Console Switch Configuration Management.

M-Console Configure Routing Tree Entry.

MConsole (Switch Configurat File Window View Messagi	ion Management): messag ng Operations Help	ging.admin@internet.net	-	đ
😨 Welcome to Message Consol	e Switch Configur	ration Management 🗙 🚦 Alerts 🛛 🖾 Switch Operations		
V C Routing Trees V R Main Routing Tree V P net P internet	Add Nodes Delete	fo Filters Group		
 ▼ in Message infanster Agents ▼ is ISODE-SMTP-EVAL ▼ is Channels 		Subtree Information:) All children present Not all children present	Add Remov Edit	/e

Right Click on the "Main Routing Treee", Click "Add Nodes..."

M-Console Configure Routing Tree Entry.

Create new Routing Tree Nodes		×
Name and Domains		
Provide a name for the new Routing Tree, and optionally a domain		
Domains		
Create Routing Tree entries representing an Internet domain		
< Back Next > Finish	Cance	el

Click "Next>".

Create new Routing Tr	ee Nodes			×
iternet Mail Domain				
Provide an Internet doma	ain to create in this	s Routing Tree		
ternet Mail Domain				
x400.net				 _

Enter "x400.net", Click "Finish".

M-Console Configure External MTA.

☐ MConsole (Switch Configuration Management): messaging.admin@internet.net File Window View Messaging Operations Help	-	٥	×
🗑 Welcome to Message Console 🔗 Switch Configuration Management 🗙 👔 Alerts 🔤 Switch Operations			
 Routing Trees Routing Trees Main Routing Tree Internet IsODE-SMTP-EVAL 	guration for som	ne reason,	^

Eight Click on "External Message Transfer Agents", Click "New External MTA...".

M-Console Configure External MTA.

Create a new MTA					×
MTA type					
Select the type of MTA ye	ou want to create				
External MTA (Non Isod	le MTA, or non ta	iloring MTA)			
() SMTP					
O CFTP					
⊖ SLEP					
	< Back	Next >	Finish	Cancel	

Select "SMTP, Click "Next>".

M-Console Configure External MTA.

🛅 Create a new MTA					×
MTA Naming					
An External Internet MTA Messaging Configuration	can be given an	arbitrary name in y	our		
The local name for the ex	ternal MTA in thi	s configuration			
Directory Name					
The mail domain or host also possible to specify a has the "nomx" flag set t	name to which n n IP address, but o communicate v	nessages queued to that will require the with this MTA	o this MTA will be t e use of an SMTP c	ransferred. hannel whi	lt is ch
Destination					
Optional local description	n for the new MT	A			
Description					
	< Back	Next >	Finish	Canc	el

Enter a friendly name for the "Directory Name" and the hostname or IP Address of where that MTA is.

Create a new MTA		— 🗆 X
TA Naming		
An External Internet MTA Messaging Configuration	A can be given an arbitrary name in your n	
The local name for the e	external MTA in this configuration	
Directory Name SMTP	to x400.net	
lso possible to specify a	an IP address, but that will require the use o	of an SMTP channel which
has the "nomx" flag set to	to communicate with this MTA	
has the "nomx" flag set f Destination 10.178.168.	to communicate with this MTA .2	
as the "nomx" flag set f Destination 10.178.168.	to communicate with this MTA _2 on for the new MTA	
has the "nomx" flag set f Destination 10.178.168. Optional local description Description	to communicate with this MTA .2] on for the new MTA	
has the "nomx" flag set f Destination 10.178.168. Optional local description Description	to communicate with this MTA .2 on for the new MTA	
has the "nomx" flag set f Destination 10.178.168. Optional local descriptio Description	to communicate with this MTA .2] on for the new MTA	
as the "nomx" flag set f Destination 10.178.168. Optional local description Description	to communicate with this MTA .2	
has the "nomx" flag set f Destination 10.178.168. Optional local descriptio Description	to communicate with this MTA .2] on for the new MTA	
has the "nomx" flag set f Destination 10.178.168. Optional local descriptio Description	to communicate with this MTA .2	
has the "nomx" flag set f Destination 10.178.168. Optional local descriptio Description	to communicate with this MTA .2	
has the "nomx" flag set f Destination 10.178.168. Optional local descriptio Description	to communicate with this MTA .2] on for the new MTA	Finish Cancel

Click "Finish".

M-Console Configure External MTA.

M-Console Configure External MTA.



Select the "x400" entry on the "Main Routing Tree".

M-Console Configure External MTA.

MConsole (Switch Configuration Managemen	t): messaging.admin@internet.net	-	٥	×
File Window View Messaging Operations				
Welcome to Message Console	Configuration Management X			
✓ □ Routing Trees				^
V 😡 Main Routing Tree	MTA Info			
✓ 🕜 net				
() internet	MTA Group			
> (¥ x400				
		Ad	d	
> SODE-SWITP-EVAL		Remo	ove	
SMTP to x400 net		F 17		
V Internet Message Stores		Edi	C.	
ISODE-SMTP-EVAL	Subtree Information: All children present Not all children present			
-				
	Routing Nexus			
	× ·			
	Domain Synonyms			
	Some Shonying			
	Non-wildcard synonym			
	Wildcard synonym		_	
			_	
	Discard unmatched components on wildcard match Retain unmatched components on wildcard match	ard match		
				~
		Ap	opiy	ancel

Click "Add".

M-Console Configure External MTA.

🕑 Edit MTA Info			×
By editing the MTA information for this The DN configured in the MTAInfo is th	s routing tree node, you can s ne DN of an MTA	set the routing for the selected	O/R hierarchy
Routing for this node			
Select the MTA that is going h	andle this node		
cn=ISODE-SMTP-EVAL			~
MTA Weights affect the routing lower weighted MTAs are prefe MTA weight 5	ge node 1 algorithm: if multiple MTAs rred. tact the remote MTA using m be used by adding it to the tab	are present in a node, ore than one channel, ble with a lower weight	
AE title	Weight	2	Add K Remove ✓ Edit
L		OK	Cancel

Change the"Routing for this node" to your newly created External MTA from the Drop Down.

M-Console Configure External MTA.

By editing the MTA information for The DN configured in the MTAInf	or this routing tree node, you can set o is the DN of an MTA	the routing for the selected O/R I	nierarchy
Routing for this node			
Select the MTA that is go	ing handle this node		
cn=SMTP to x400.net			\sim
MTA Weights affect the ro lower weighted MTAs are MTA weight 5 Channel Information In case that it's possible to you can select the first on	buting algorithm: if multiple MTAs are preferred.	present in a node, than one channel, with a lower weight	
AE title	Weight		Add move Edit
		OK Car	ncel

Click "OK".

M-Console Configure External MTA.

Welcome to Message Concol Welcome to Message Concol Routing Tree Internet Internet Internet Internet </th <th>MConsole (Switch Configuration Management): m File Window View Messaging Operations He</th> <th>essaging.admin@internet.net Io</th> <th>-</th> <th>٥</th> <th>×</th>	MConsole (Switch Configuration Management): m File Window View Messaging Operations He	essaging.admin@internet.net Io	-	٥	×
✓ @ Routing Trees ✓ @ Main Routing Tree ✓ @ internet Ø internet Ø internet Ø internet Ø internet Ø internet Ø Main Routing Trees Ø StoDE-SMTP-EVAL	Welcome to Message Console	figuration Management 🗙 🔋 Alerts 🛛 🔤 Switch Operations			
Non-wildcard synonym	File Window View Messaging Operations He Welcome to Message Console Switch Con Routing Trees Welcome to Message Transfer Agents Store Strange Transfer Agents Store Store Strange Transfer Agents Store Store	Ip figuration Management × Alerts Switch Operations TA Info MTA Group SMTP to x400.net, MTA weight : 5 Subtree Information: All children present Not all children present Routing Nexus Domain Synonyms	Ada Remo Edi	1 t	^
		Non-wildcard synonym	d match		ancel

Click "Apply".

M-Console Configure External MTA.

MConsole (Switch Configuration Management): File Window View Messaging Operations	nessaging.admin©internet.net felp	-	٥	×
😨 Welcome to Message Console 🛛 🕅 Switch C	onfiguration Management 🗙 🛛 📒 Alerts 🛛 🔤 Switch Operations			
 ✓ a Routing Trees ✓ Main Routing Tree ✓ r net 	MTA Info			î
internet	MTA Group			
() X400 () Message Transfer Agents () SODE-SMTP-EVAL () External Message Transfer Agents () SMTP to x400.net	SMTP to x400.net, MTA weight : 5	Add Remo	ve	
✓ Stores Value >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	Subtree Information: O All children present	Lun		
	Routing Nexus			
	Domain Synonyms		_	
	Wildcard synonym			
	Discard unmatched components on wildcard match O Retain unmatched components on wildcard	d match		
				~
		Ap	ply Ci	ancel

Now we need to check the Routing is working. From the very top Menu Right Click on "Messaging".

M-Console Check Routing.



Select Check Address Routing.

M-Console Check Routing.

Check Routing		×
Test email add	dress routing	
Click on the 'Che	ck Address' to start the test	
Basic Advance	ed	
Switch: ISODE	-SMTP-EVAL 🗸	
Address To:	test@x400.net	Edit Swap Addresses
Address From:		Edit Include From Address
rfc822address: delivered-mta delivered-chai channel-weigh	test@x400.net :10.178.168.2 inel: smtp-external it: 5	×
Check Address	Clear	
		Close

Enter "test@x400.net for the "Address To:" and Click "Check Address". You should see something like the above.

In Harrier you should see the new Address appear when entering the "To:" Address.

Harrier	New	Addr	esses.
---------	-----	------	--------

COMPOSE (no subject)	-	•	×
FROM			-
User One			
то			
user			
User One			
User One X400			
User Two			
User Two X400			
SUBJECT			
Sat an ontional subject for the massage			-

This completes this guide.

What Next?

More information on Icon-5066 can be found on the Isode website at *https://www.isode.com/product/stanag-5066-server/*.

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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