Audit4

Overview

This guide provides instruction on configuring both Medical-Objects Capricorn and Audit4 software to import electronic results.

If you require any assistance with the installation or configuration, or if you have any questions, please contact the Medical-Objects Helpdesk on (07) 5456 6000.

If you have not Installed the Medical-Objects Download client, Please see the guide for Installing Capricorn on Windows.

Configuring Capricorn Software

Accessing the Capricorn Configuration Window



- To launch the HL7 Tray application, Go to Start Menu, All Programs, Medical-Objects and select the Medical-Objects Capricorn. Alternatively, You can go to C:\MO\Capricorn and run the Capricorn.exe.
- 2. The following icon will appear in the tray. Double click on it to bring up the log window.



3. When the log window is displayed, Click on the **Configuration** icon highlighted below, or select **Utility** and select **Configuration**.



Capricorn Configuration Settings

1 Overview 2 Configuring Capricorn Software 2.1 Accessing the Capricorn Configuration Window 2.2 Capricorn **Configuration Settings** 2.3 Current Manage Queues 2.3.1 AUDIT 4 OUTGOING REF 2.4 Historical Manage Queues 2.4.1 AUDIT 4 INCOMING LETTERS ORU TO REF 2.4.2 AUDIT OUTGOING **RRI TO ACK** 3 Software for Specialists (Audit4) Configuration.

1. Click on Ack Management.

Configuration Editor - Med	dical Objects User Guide (Client Capricorn)	×
Enter search text	Ack Management	
Ack Management	Convert PMS Adds to generic Add format	
Anonymous Users	Folder for Acks created by this practices PMS (Receivers)	
Auto-Upgrade	C:\Inpath\MO\ACKs\ACKsOutgoing	
Custom Messages	V Expert Application Actor	
Data Repository		
Demographic Source	Folder to save external Acks for PMS (Senders only)	-
Editing Defaults	C: (Inpath (MO (Acks (AcksIncoming	6
ELS	Export all inbound Acks to the DEST_ACK folder	
File Extensions		
Forward copies to		
GNUPG Setup		
Integration Options		
LIP Listeners		
Local Network Domain		
Logging		
Manage Queues		
Message Src Exceptions		
Nexus Proxy Settings		
Order Management		
Order Recipients		
Order Routing		
PGP Configuration		
PKI Configuration		
Practice Identifiers		
Regional Options Report scapping		
Satellite EHR		
Scheduled Tasks		
Server Group Manager		
Server Parameters		
Server Setup		
Servers to Route to		
Set in Global Parameters		
Setup Routing Details		
SMD Agent		
Snomed Lookup		
Specific Servers		
Lograde Applications		
Ungrade Users		
Users and Passwords		
Vendor Access		
Web Access		
X509 Cert renewal		
XOU Fix		
Help	Apply OK (Cancel

2. Set the ACK Management Receivers path as below:

```
(Capricorn installed on an Audit 4 Server machine ) --
                C:\Inpath\MO\ACKs\ACKsOutgoing
>
(Capricorn installed on an Audit 4 client machine --
>
                 \\Server\Inpath\MO\ACKs\ACKsOutgoing
```

2.1 Check Export Application Acks.

2.2 Set the ACK Management Senders Only path as below:

```
(Capricorn installed on an Audit 4 Server machine ) --
               C:\Inpath\MO\Acks\AcksIncoming
>
(Capricorn installed on an Audit 4 client machine --
               \\Server\Inpath\MO\Acks\AcksIncoming
>
```

- Note: If the folder does not exist, you must create it. 3. Click on Integration Options.
 - 3.1 Check that the Incoming Modifier is set to Audit4.



4. Select Server Parameters from the left panel.

	Configuration Editor - (Client Capricorn)	u ×
Auto-Lóprade Cuetom Messages Cuetom Messages Edition (Control (Con	Configuration Editor - (Client Capricom) Portant Traces Perve Bpt _ presone [313] ■ (=100 Est Autralian Standard Time Decisions Decisi	Lead Ste Certificates
Help	Аррі	y OK Cancel

5. The paths above are set as follows:

(Capricorn installed on an audit 4 server machine)>	
Message output directory \Inpath\MO\Letters Save pathology: C:\Inpath\MO\Labs Save Radiology: C:\inpath\mo\Labs	С:
Capricorn installed on an Audit4 Client machine> Message output directory \\Server\Inpath\MO\Letters Save Pathology	

\\Server\Inpath\MO\Labs Save Radiology \\Server\Inpath\MO\Labs

6. Make sure that Save All ORU In Pathology path is UNTICKED.



Note If the folder does not exist, you must create it. Note: It is important that these folders only exist on one PC (Usually always the server) as they can

7. Complete the Manage Queues section below.

Current Manage Queues

AUDIT4 OUTGOING REF

- 1. On the Manage Queues screen, click Add.
- 2. On the Queue Setup screen, name the queue and set its base directory.

Queue Setup		×
<u>Q</u> ueue name		
AUDIT4 OUTGOING REF		
Base Directory		
C:\Inpath\MO\Out		6
	ОК	Cancel

3. Enter the details as outlined below.

(Capricorn installed on an Audit4 server machine)>	
Queue name:	AUDIT4
Base Directory	C:
\inpath\MO\Out\	
(Capricorn installed on an Audit 4 client machine)>	
Queue name: OUTGOING REF	AUDIT4
Base directory: \\Server\Inpath\MO\Out\	
((= = · · = (= - <u>+</u> · · · · · (• · · · (• · · · (

4. Click **OK** on the queue setup, click the queue named **AUDIT4 OUTGOING REF** in the queues to watch for messages and click on **Setup** at the bottom of the configuration window.

Configuration Editor - Kelly	MOA (Client Capricorn)	×
	Queues to watch for messages	
Auto-Lograde Auto-Lograde Clabs Reportiny: Demographic Source Display Segments Ed. 20 File Extensions File Extensions File Extensions File Extensions File Extensions Counce of the Counce Demographic Source LP Listenses Lucal Network Domain LP Stenses Lucal Network Domain Hessage Soc Extensions Nexus Proxy Settings Online Adjustations PRI Configuration Practice Identifiers Report Sector Practice Identifiers Report Society Server Fammeters Server Fammeters Server Society Server S	ADDT+ INCOMING LETTES GRU TO REF AddT+ RUTGONIC REF AddL+ RUTGONG REF Setup Add Remove Edt	ctive
Help	Apply OK C	ancel

5. On the right-hand side, click on **Add.** Select the decorators listed below in the order displayed and configure as specified on the right.

Specify file mask	-Set File Mask to $*$.
H17	
Expand MO Routing IDs	-No additional
settings.	
Override Sender HD fields to This value Primary Practice Identifier"	-Tick "Use
Route with Capricorn	-No additional
settings.	

Edit Property			>
Setup Queue			
Practice			
AUDIT4 OUTGOING REF			•
Incoming			
Specify file mask			
Expand MO Routing IDs			Add
 Override Sender HD fields to This value 			Remove
Route with Capricorn			Maria
			Move up
-		L	fove Down
File mask			
*.HL7 (HL7 messages)			
Help	Apply	OK	Cancel

6. Click **Apply** and **OK** to save the **AUDIT4 OUTGOING REF** queue and return to the **Manage Queues** configuration screen.

Please ask your Confluence administrator to update the license for the MultiExcerpt App for Confluence . Admin Info: The error is: license VERSION_MISMATCH

Historical Manage Queues

AUDIT4 INCOMING LETTERS ORU TO REF

No longer required if Capricorn 3.2.5.36 and above in use.

1. Select Manage Queues from the left panel.



- 2. In the Managed Queues menu click Add.
- **3.** The queue setup window will open.

Queue Setup	\times
Queue name	
AUDIT4 INCOMING LETTERS ORU TO REF	
Base Directory	
C:\Inpath\MO\	0
OK Cancel	

4. Enter the details as outlined below.

(Capricorn installed on	an Audit4 server machine)>
Queue name: LETTERS ORU TO REF	AUDIT4 INCOMING
Base Directory:	C:\Inpath\MO\
(Capricorn installed on	an Audit 4 client machine)>
Queue name: INCOMING LETTERS ORU TO Base Directory: \\Server\Inpath\MO\	AUDIT 4

 Click OK on the queue setup, click the queue named AUDIT4 INCOMING LETTERS ORU TO REF in the queues to watch for messages and click on Setup at the bottom of the configuration window.



6. In the edit property window, we are going to setup the queue to convert the letters from **ORU** to **REF** for Audit4 import. On the right hand side, click on **Add**.



Convert ORU Message to REF	No
additional settings.	
Store Message in Folder	Additional
settings required.	

7. Once you have added both decorators you will need to supply additional configuration for the St ore Message in Folder. Highlight the Store Message in Folder decorator on the edit property window. Notice that there are additional configuration options displayed below the decorator list. Make sure Use Original Filename is ticked.

Edit Property	C ×
Setup Queue	
Practice	
SR AUDIT4 INCOMING LETTERS ORU TO REF	•
Incoming	
Convert ORU Message to REF	Add
Store Message in Policer	Remove
	Move Up
	Move Down
Store Message in Folder	
Store Message Store ACK	
Folder	
C: \Inpath \MO\Letters\	
Help	y OK Cancel

8. Leave the tick-box's on their default configuration and set the file path for the converted letters to be saved.

Note: This folder will not exist and will needs to be be created before setting the file path.
(Capricorn installed on an Audit 4 server)



9. Click Apply and OK to save the AUDIT4 INCOMING LETTERS ORU TO REF queue and return to the Manage Queues configuration screen.

Please ask your Confluence administrator to update the license for the MultiExcerpt App for Confluence . Admin Info: The error is: license VERSION_MISMATCH

AUDIT4 OUTGOING RRI TO ACK

No longer required if Capricorn 3.2.13.61 and above in use.

On the Manage Queues screen, click Add.

1. On the Queue Setup screen, name the queue and set its base directory.



(Capricorn installed on an Audit4 server machine)>	
Queue name: OUTGOING RRI TO ACK	AUDIT4
\Inpath\MO\ACKs\ConvertACK	ς.
Queue name: OUTCOING PEL TO ACK	AUDIT4
Base directory: \\Server\Inpath\MO\ACKs\ConvertACK	

Note

- The folder ConvertACK will not exist and will need to be created before setting the file path. 2. Select AUDIT4 OUTGOING RRI TO ACK from the Queues to Watch for Messages and click S etup.
- 3. Select Add from the right side of the Edit Properties window.
- 4. You can search the decorators by typing in their name when one of the decorators is highlighted.

```
Modify message with HL7 script. - Additional settings required.
Store message In folder - addition settings required.
```

- 5. In the Edit Properties, we need to add the HL7 Script to the Modify Message with HL7 Script configuration section.
- 6. You must paste the script exactly as shown below into the text box in the modifiers configuration. Be sure there are no extra spaces or empty lines at the top.

HI7 Script.



Program	Test;					
var i:Integer;						
	s : Str	ing;				
begin						
Degin	//111 7 5			ted shipst with the UT Thete leaded		
	//HL/ D	Data is a precreated object with the HL/Data loaded				
	for i :	:= HL7Data.SegmentCount-1 downto 0 do				
	begin					
		s := HL	7Data.Se	gmentname[i];		
		if not	((s = 'M	ISH') or (s = 'MSA')) then		
			HL7Data	.DeleteSegment(i)		
		مادم				
	erse					
		11 S =	MSH UI	en		
		begin				
			if HL7D	ata.GetFieldvalue(i, 8, 0,0,0) =		
'RRI' t	hen					
			begin			
				HL7Data.SetFieldvalue('ACK', i, 8,		
0.0.0);					
-, -, -	, -			HL7Data SetFieldwalue/'P01' i 8		
0 2 0	. .			hil/baca.seeficidvalae(koi , i, o,		
0, 2, 0),					
			end;			
		end;				
	end;					
end.						

7. If you haven't already, you will need to add the **Store Message in Folder** Decorator to the **AUDI T4 OUTGOING RRI TO ACK** Queue.

Edit Property	9	×
Setup Queue		
Practice		_
REAL BRANCH AND		-
Therefore a second se		
Promiting Curgoing		_
🔀 itare Message in Felder	AM .	
	Ramove	•
	Move La	
	Marca Day	
Store Hessage in Folder		
F Store Message Store ACK		
Polder		
Cr@rgadh(M07)Adar(AdarDutgeing 😐		
E Les Orchel Plenene		
Heb	OK Car	nod I

```
(Capricorn installed on a Audit4 Server Machine) --->
Store Message in Folder: C:
\Inpath\MO\ACKs\ACKsOutgoing
(Capricorn installed on a Audit4 Client Machine) --->
Store Message in Folder:
\\Server\Inpath\MO\ACKs\ACKsOutgoing
```

- 8. Click Apply and OK to save the AUDIT4 OUTGOING RRI TO ACK Queue and return to the Ma nage Queues configuration Screen.
- 9. Click Apply and OK to save the current configuration and to exit the Capricorn configuration editor.

You have now completed the configuration for the Medical Objects Capricorn to download and send acknowledgements.

Please ask your Confluence administrator to update the license for the MultiExcerpt App for Confluence . Admin Info: The error is: license VERSION_MISMATCH

Software for Specialists (Audit4) Configuration.

You will need to contact the Software4Specialist Help-Desk so that they can configure Audit4 to Import the Letters and Lab results and the export of Acknowledgments.

```
Department: Support
Contact Number: 1300 133 308
Organisation: Software for Specialists (Audit4)
```

Audit4 will require the following Configuration:

- Letters are to be imported from: C:\Inpath\MO\Letters
 Previously this was the path defined by the Convert Letters to REF queue's Store Message
 in folder decorator.
- 2. Lab results are to be imported from: C:\Inpath\MO\Labs
- 3. Acknowledgements are to be exported to: C:\Inpath\MO\ACKs\ACKsOutgoing

Previously this was the path defined by the Base directory for the ConvertACK Queue.

(Capricorn installed on a Audit4 Server Machine) -->

i. Store Message in Folder: C:\Inpath\MO\Acks

(Capricorn installed on a Audit4 Client Machine) -->

ii. Store Message in Folder:

\\Server\Inpath\MO\Acks

19. Click **Apply** and **OK** to save the **Convert Acks** Queue and return to the Managed Queue configuration Screen.

20. Click **Apply** and **OK** to save the current configuration and to exit the Capricorn configuration editor.

You have now completed the configuration for the Medical Objects Capricorn to download and send acknowledgements.