InfowareServices

i4 Document & Notes Viewer from Excel Plugin

1. i4 plugins can now view documents!!!

This includes both internal Infoware generated forms and reports, plus external OCR scanned document images, just the same as if you were using other i4 applications such as the i4 Debtors Trial Balance or P & L reports.

For example, from the i4 plugin in your Excel spreadsheet, you can now drill down and view the actual debtors free format invoice PDF image (or batch reports for creditor invoices). For clients who OCR scan external forms or attach external files then you can now view these documents as well!

In the following example, column M shows a ‘hyper link’ to view each invoice.

	D	E	F	G	H	I	J	K	L	M	N
1		Financial I	Type	Date	Audit Nun	Original A	Amount N	System Tr	Reference	Document Link	
925		201208	IN	1/08/2012	9616	142.67		900862	290291	290291	
926		201208	IN	1/08/2012	9616	260.7	260.7	900865	290292	290292	
927		201208	IN	1/08/2012	9652	0		900873	290293	290293	
928		201208	IN	1/08/2012	9616	4506.01	4506.01	900887	290294	290294	
929		201208	IN	2/08/2012	9623	255.25	0.01	900914	290295	290295	
930		201208	IN	1/08/2012	9616	18896.46	18896.46	900948	290296	290296	
931		201208	IN	1/08/2012	9623	74.39	74.39	900949	290297	290297	
932		201208	IN	2/08/2012	9623	637.56		900951	290298	290298	
933		201208	IN	1/08/2012	9616	946.28	946.28	900957	290299	290299	
934		201208	IN	1/08/2012	9616	0		900967	290300	290300	
935		201208	IN	1/08/2012	9616	1122.6	1122.6	900971	290301	290301	
936		201208	IN	1/08/2012	9623	1160.27		900976	290302	290302	
937		201208	IN	2/08/2012	9623	1298.31	1298.31	900985	290303	290303	
938		201208	IN	2/08/2012	9623	2299.54		900989	290304	290304	
939		201208	IN	3/08/2012	9634	353.03	353.03	900991	290305	290305	
940		201208	IN	1/08/2012	9623	1993.54	1993.54	900993	290306	290306	
941		201208	IN	3/08/2012	9634	2409.18	2409.18	901022	290307	290307	
942		201208	IN	2/08/2012	9634	1349.45	1349.45	901024	290308	290308	
943		201208	IN	1/08/2012	9623	532.11	532.11	901065	290309	290309	
944		201208	IN	1/08/2012	9623	1076.99	1076.99	901075	290310	290310	
945		201208	IN	1/08/2012	9616	772.2	772.2	901091	290311	290311	
946		201208	IN	2/08/2012	9623	2934.81	2934.81	901096	290312	290312	
947		201208	IN	1/08/2012	9616	547.36	547.36	901100	290313	290313	
948		201208	IN	1/08/2012	9616	3829.01	3829.01	901102	290314	290314	

i4query_result_1469801

Ready

By clicking on the document link cell, the Infoware document viewer (same as in i4 report drill downs) is launched, which will show all documents relating to this transaction (for many transactions there may be multiple documents). Example as follows:

Documents

Select Document Type: ALL Types

Document	Date	Time	User
Customer Invoice	01/08/12	15:45:06	INFOWARE

Click on the “Customer Invoice” link and the customer invoice in this example is shown!

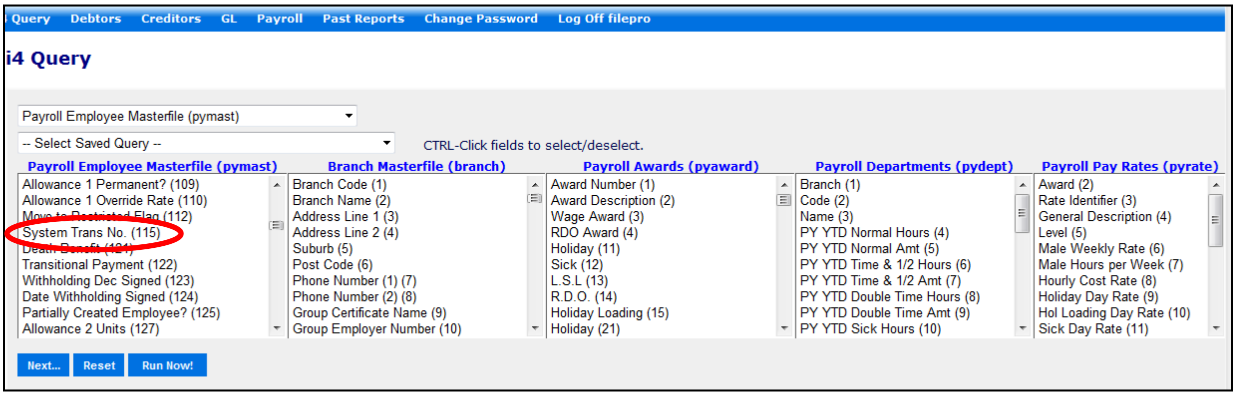
How Do I Do This?

(i) You must include the System Transaction Number field from your primary data table in your i4 Query.

(ii) Add a new virtual field in Excel to create the hyperlink to the URL of the i4 Document Viewer for each transaction retrieved from the i4 Plugin result.

(i) System Transaction Number

All main master files and transactions files have a System Transaction Number field.



Some of the system transaction field numbers are:

Document	System Transaction Number
Creditors Masterfile (crmast)	337
Creditors Transactions (crtran)	138
Creditors GL Dissection(crgltr)	55
Debtors Masterfile (dbmast)	565
Debtors Transactions (dbtran)	90
Debtors Gl Dissection(dbgltr)	55
Payroll Employee Masterfile (pymast)	115
Payroll Transactions (pytran)	132 (N/A to all sites)
GL Chart of Accounts (glchart)	357
GL Transactions (gltran)	58
Cash Book Masterfile (cbmast)	50
Cash Book Transactions (cbtran)	43
FA Assets Masterfile (famast)	180
Job Masterfile (jcmast)	466
Job Cost Transactions	96
Inventory Items(ivmast)	861
Inventory Transactions(ivtran)	172
Warehouse Products(wmmast)	137

(ii) Create Hyperlink to i4 Document Viewer

This hyperlink runs **Info**ware's i4 document viewer passing the System Transaction Number as a parameter.

Go to first available column – cell 1 – and name it Document Link.
Then in cell 2, in the same column, create a hyperlink using Excel's HYPERLINK function.

The following is the URL of the document viewer.

"http://www.satsof.com.au/cgi-in/ssfpcgi/none/sssasp/xx/yyy/rec/wwgen/sytrndocs?sysno="&

For Infoware services clients, view your normal i4 login URL and substitute xx/yyy above from your i4 URL.

For clients with their own servers, additionally substitute domain name and server name parts of URL.

If uncertain contact Satisfaction Software support for help [support@satsof.com.au] for the URL to your i4 document viewer.

To create the hyperlink:

Copy URL of document viewer, making sure all text from the first character “ to & is copied. The URL part is a string in Excel which will be concatenated with the value of the system transaction number field from each row.

In cell 2, type:

=hyperlink**(**
<PASTE> copy in URL of viewer

And add the cell of the system transaction number for this row; e.g. K2.

Next, enter the text you wish to appear for the hyperlink – if uncertain use the System Transaction Number field. For other hyperlinks such as debtor transactions, you may wish to use the Reference Number as a meaningful hyperlink shortcut value. By convention prefix the value with “image”

) enter closing bracket

Following is an example hyperlink cell value.

=hyperlink("http://www.satsof.com.au/cgi-bin/ssfpcgi/none/sssasp/xx/yyy/rec/wwgen/sytrndocs?sysno="&k2,”Image ”&k2)

Then copy down the formula to the end of the column.

Now you can have i4 plugins with document viewing!!

i4 viewer heading parameter

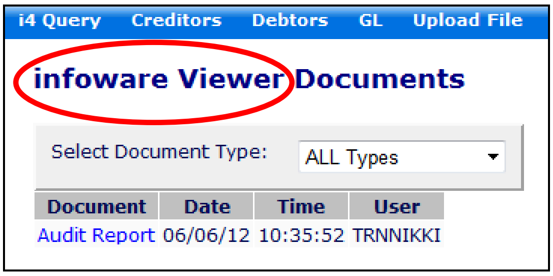
You may even define the heading you wish the i4 viewer to display.

The parameter is **reftxt**:

Example:

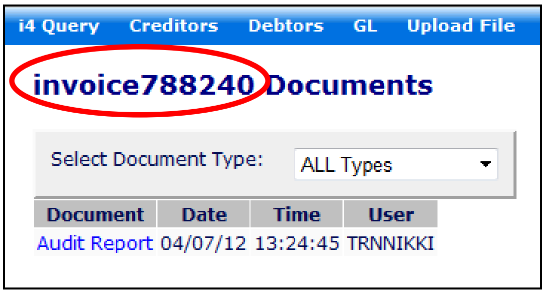
When displaying documents you wish to display text “infoware Viewer”

=hyperlink("http://www.satsof.com.au/cgi-bin/ssfpcgi/none/sssasp/xx/yyy/rec/wwgen/sytrndocs?sysno="&k2& ”&reftxt=infoware Viewer”,Image ”&k2)



Or if you wish this to be a more dynamic heading, such as “invoice” and its value then following example (l2 is the cell with invoice number text)

=hyperlink("http://www.satsof.com.au/cgi-bin/ssfpcgi/none/sssasp/xx/yyy/rec/wwgen/sytrndocs?sysno="&k2& ”&reftxt=invoice”&l2,Image ”&k2)

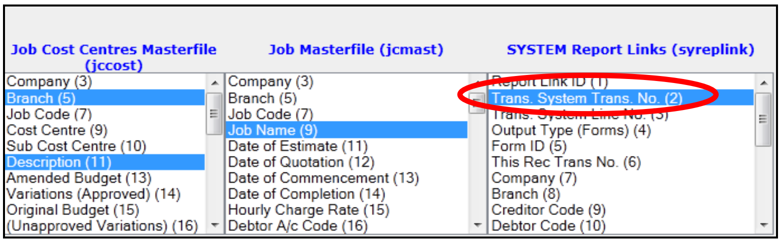


Conditional Image

You can also conditionally show an image link ONLY when it exists – using the following technique.

Most transactions will have some kind of document image associated with them; some may not. Master files also may not have images attached to them. Rather than creating a hyperlink that returns an error saying there are no documents, if you have access to the data table System Report Links (syreplink), you can select a field from this table [recommend field Trans. System Trans No (2)] which will indicate whether a linked document exists or not.

If you do NOT have access to the syreplink data table see your system administrator.



If the value returned from the syreplink field in your i4 Query is blank then the join failed – meaning there are NO images for this transaction.

You can then test for this as follows:

In this example S2, is the column with the syreplink Trans System Transaction No field.
=if(S2>0,*hyperlink("http://www.satsof.com.au/cgi-bin/ssfpcgi/none/sssasp/xx/yyy/rec/wwgen/sytrndocs?sysno="&k2,"Image "&k2), " ")*

i.e. if there is a returned value, create link else display " "

SECURITY

1. For this to work the user MUST be logged in an i4 session – you do not want just anyone drilling down to source documents from any i4 plugin.
2. User login restricts them to documents of the same module they have access. E.g. if an i4 user has only access to i4 creditor apps then will only be able to review creditor documents. They will get a restricted access error message if they try to drill down in a restricted area, such as a debtor's transaction.
3. This solution is not totally secure in that users can also manually edit system transaction numbers in the browser to view other documents – but the same restrictions as 1 & 2 apply. Also other i4 user restrictions if defined for the user to view only a specific company or branch also apply if the system transaction number is changed.
4. i4 Query data table access has no bearing on whether a user has access to documents or not – specifically controlled by the user having access to i4 apps in the module from where the transaction was generated, and the user having access to the company or branch that is defined in the users' i4 Browser User Maintenance record.

2. i4 plugins can view notes as well!!!

i4 plugins can also view notes by Note Viewer as well. For example notes stored against debtor accounts as part of credit control can also be viewed by a similar technique using infoware's i4 note viewer app.

The following is the URL of the notes viewer – the red part is the i4 notes viewer app.

"http://www.satsof.com.au/cgi-in/ssfpcgi/none/sssasp/xx/yyy/rec/wwgen/ synotes?type="&

The same comments as in **Create Hyperlink to i4 Document Viewer section** apply to defining your url.

The following notes types are currently displayed in i4 Notes Viewer.

Application	Type definition	Index
Debtor credit control notes entered via Debtor Account Maintenance {2,1}	debtors	Branch & debtor code
Creditor Account Notes entered via Creditor Account Maintenance {3,1}	creditors	Company & creditor code
Creditor Transaction Notes entered via Creditor Transaction Search/Edit {3,6,5}	crtran	Crtran(138) System transaction number
General Ledger Notes entered via Working {5,6,1}, Standing {5,7,1} & Cash Book {4,6,1} Journals	gltran	Gltran(473) system transaction number

There are other note definitions – these currently are unable to be displayed by i4 note viewer. Once some additional security issues are addressed in a future update then these will able to be displayed in i4 notes viewer.

The following is an example of a hyperlink to show debtor credit control notes – where the branch field is in cell B5 & Debtor code is in cell I5.

Note after passing the type of Note required, then you must define the index parameter followed by the value [note the following should all be on one line].

=HYPERLINK("http://www.satsof.com.au/cgi-bin/ssfpcgi/none/sssasp/xx/yyy/rec/wwgen/synotes?type=debtors&indx="&B5&I5,"notes")

Enjoy your i4 document and notes viewing!

--END OF DOCUMENT--