In SAP S/4HANA You can create Change History Report in less than 15 minutes. I mean any Change History Documents

162018,498
Edit

Introduction

One of the greatest Success story of SAP is the Audit Trace it has using SAP Standard Change History Object. It is used anywhere everywhere for the following

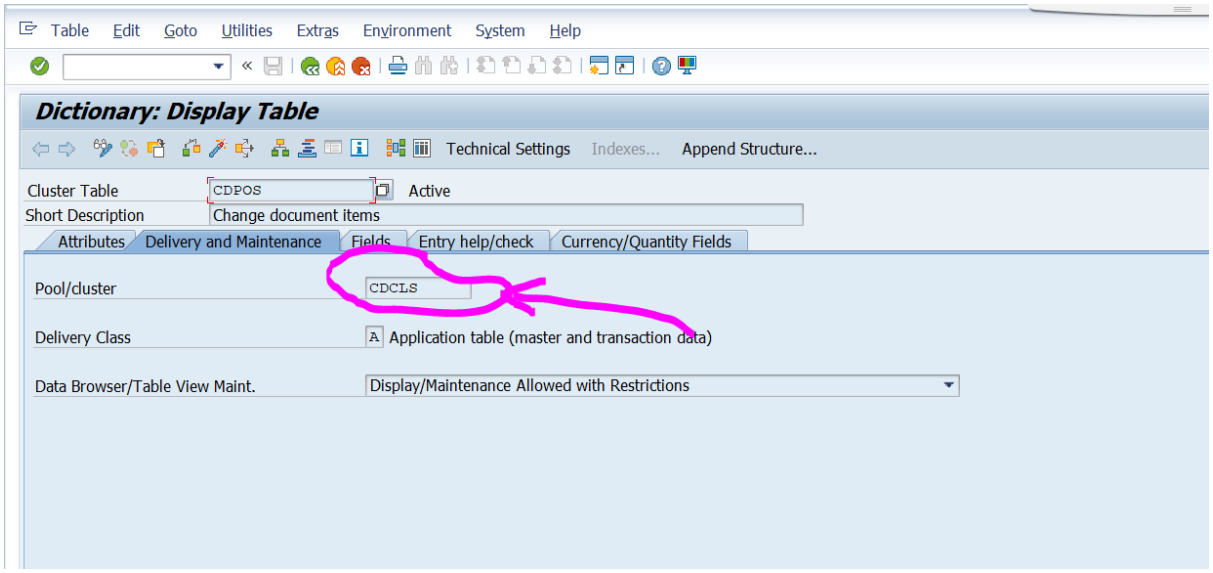
To Track whether the Company is making the best Deal
Cost Cutting on changes that is being made caught in Change History.
Automation or RPA usage for regular changes so that Human works on Important stuff
Find Process Design through history
Find place where Training is Required.

Solution

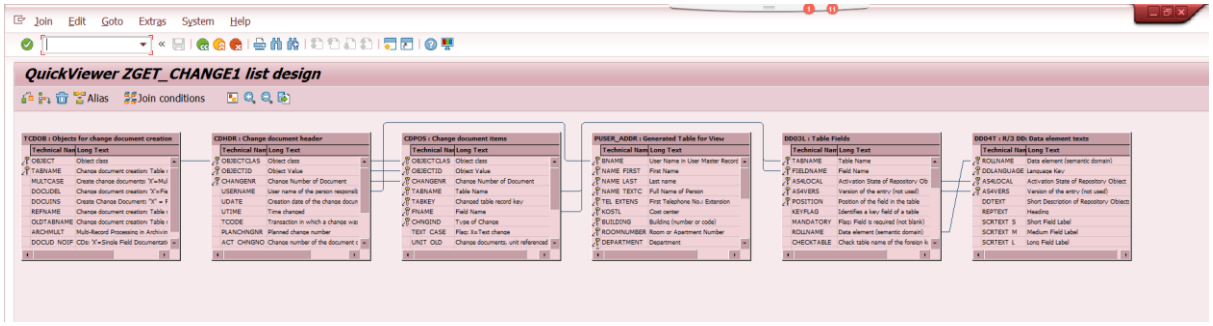
In SAP ECC as an ABAPER we always had to built a Report Joining the change History table and other tables as it was created as a Pool/Cluster table hence it could not be used in ABAP Query(SQVI)

Below is the Error message which you get when you try to add CDPOS as a Table join in SQVI

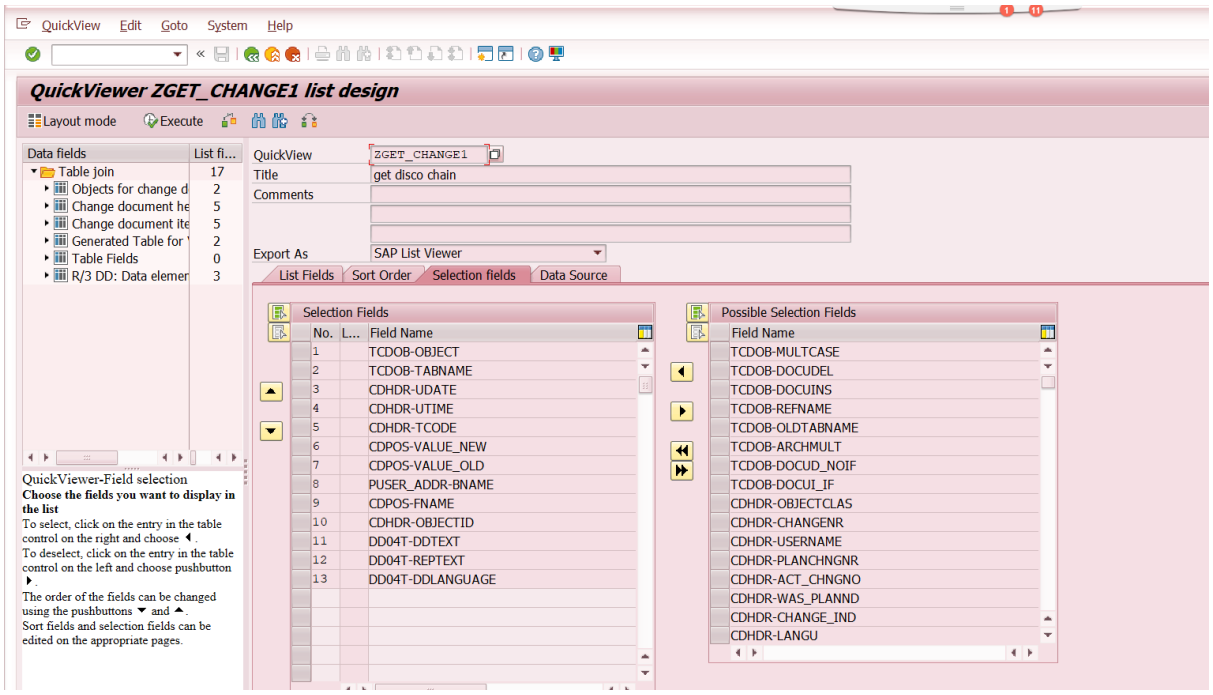
Highlight section shows CDPO is a Pool table in SAP ECC



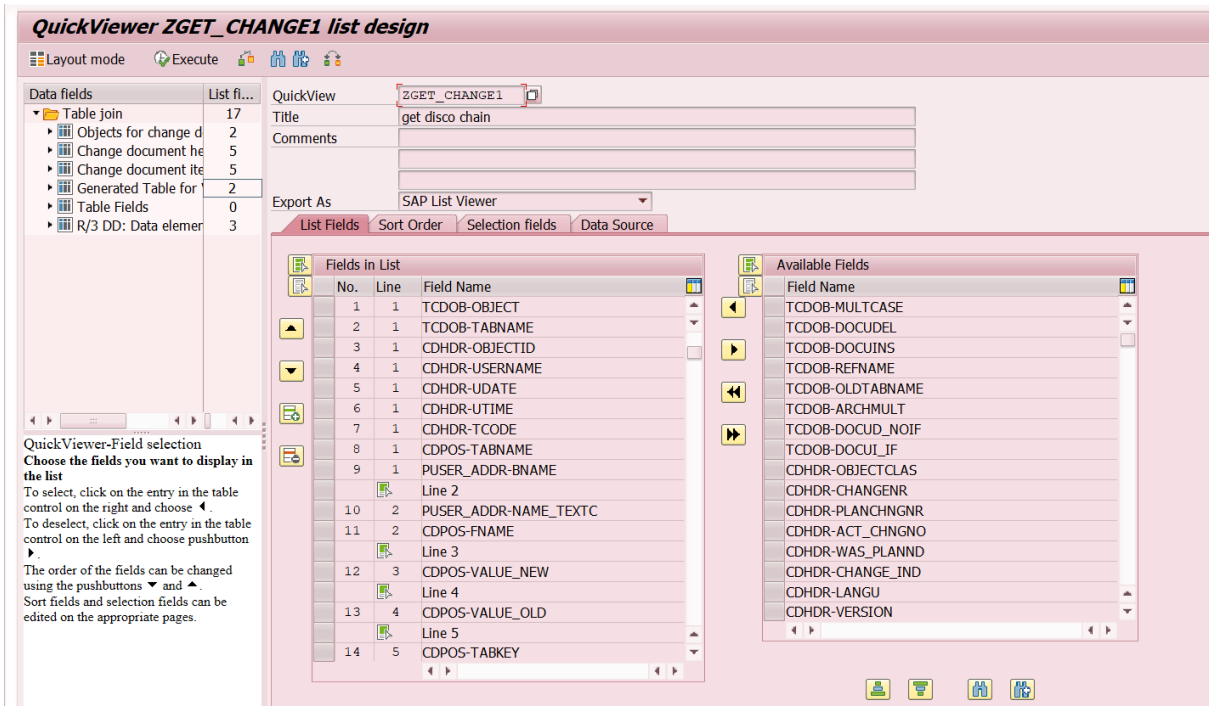
Below is the ABAP Query Joining Codition



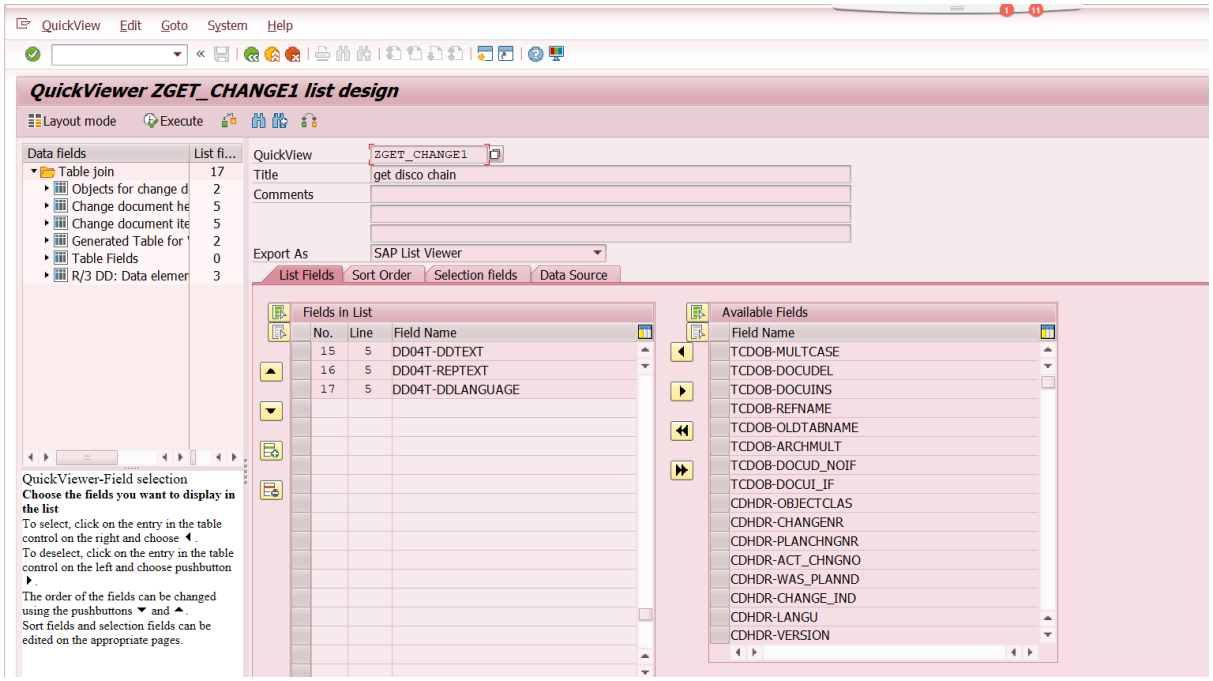
Below is the Selection Screen



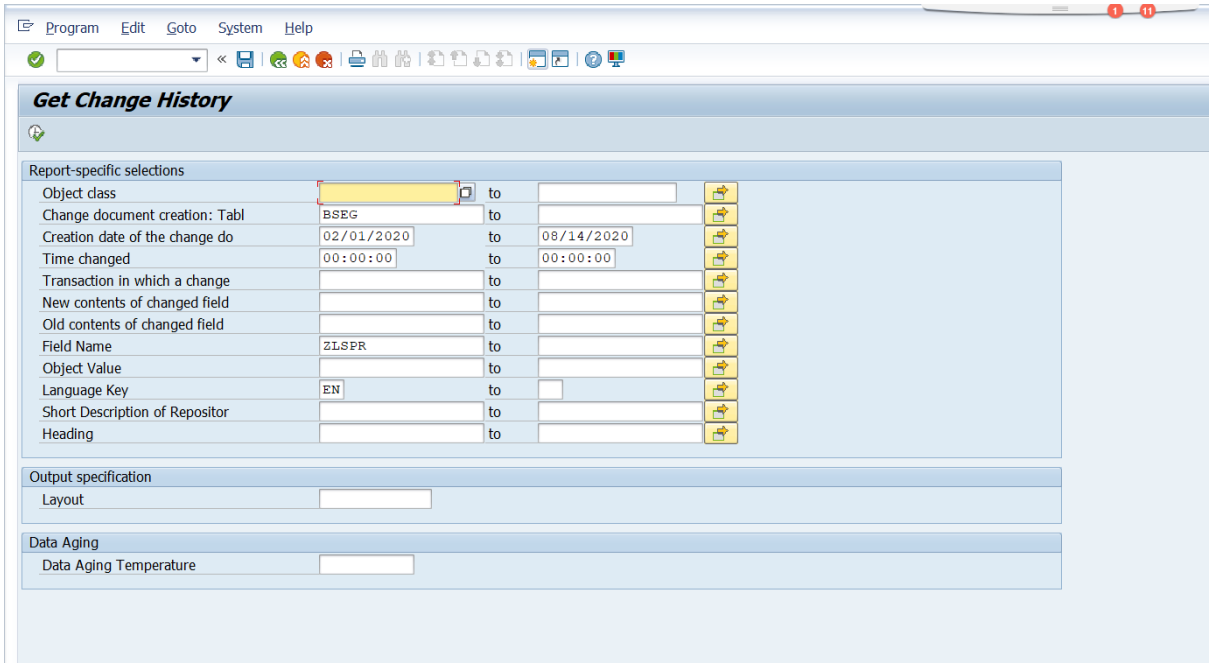
Below is the Layout for the ABAP Query



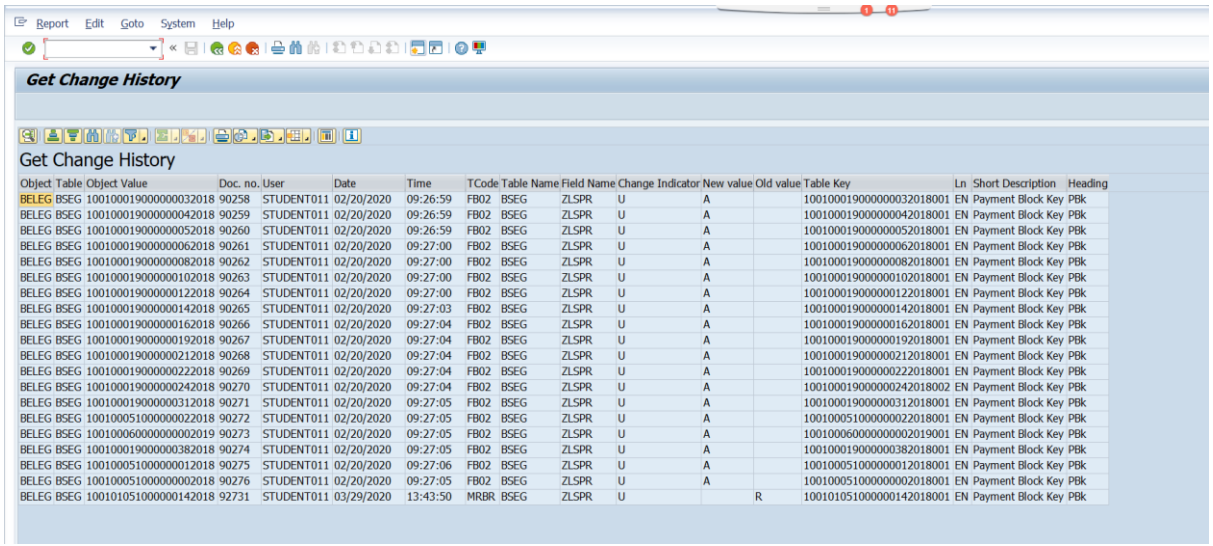
Below is the Layout for the ABAP Query continued



Now we Execute the Report to Find the Change History on Payment Block Field(ZLSPR) and Table is BSEG

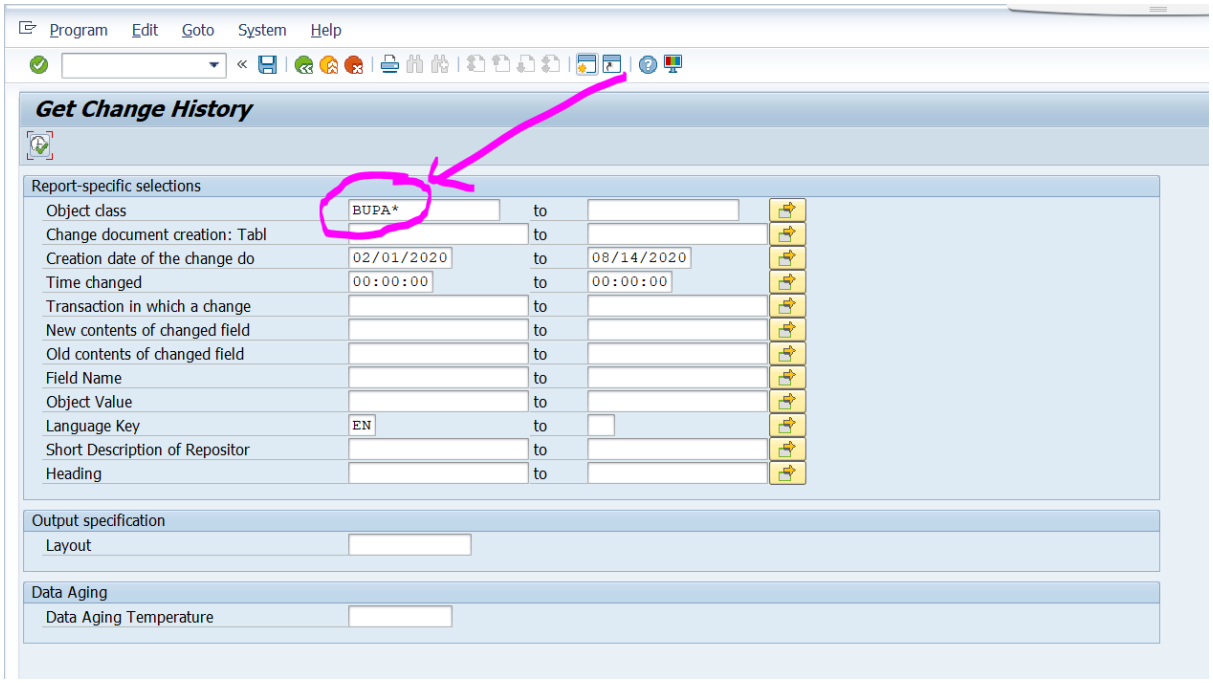


Wala here is the Output.

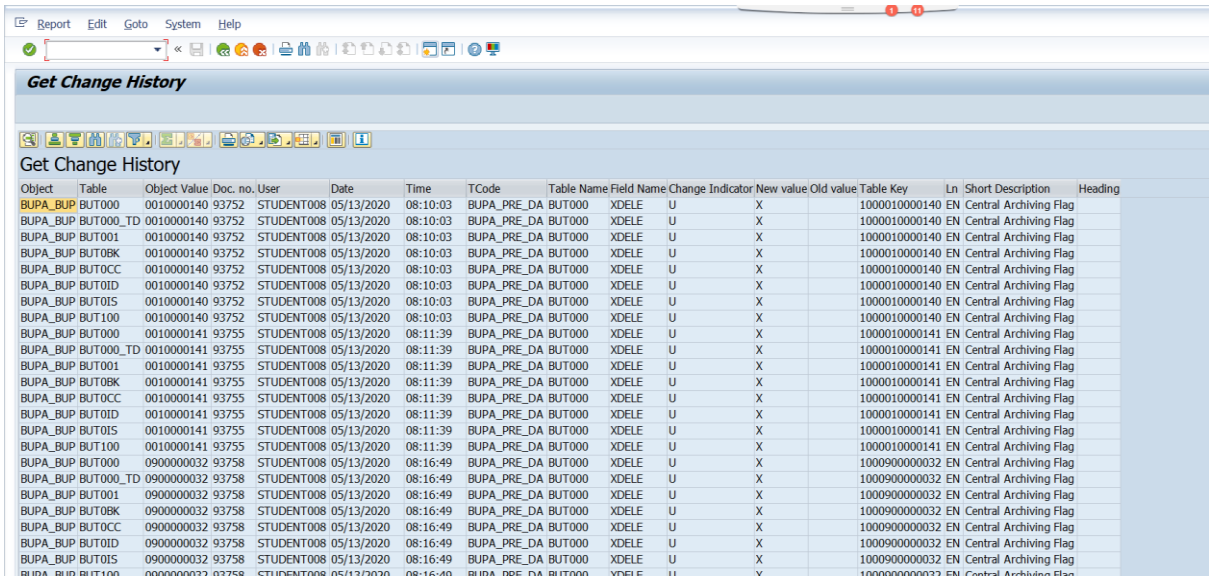


Object	Table	Object Value	Doc. no.	User	Date	Time	TCode	Table Name	Field Name	Change Indicator	New value	Old value	Table Key	Ln	Short Description	Heading
BELEG	BSEG	1001000190000000032018	90258	STUDENT011	02/20/2020	09:26:59	FB02	BSEG	ZLSPR	U	A		1001000190000000032018001	EN	Payment Block Key	PBk
BELEG	BSEG	1001000190000000042018	90259	STUDENT011	02/20/2020	09:26:59	FB02	BSEG	ZLSPR	U	A		1001000190000000042018001	EN	Payment Block Key	PBk
BELEG	BSEG	1001000190000000052018	90260	STUDENT011	02/20/2020	09:26:59	FB02	BSEG	ZLSPR	U	A		1001000190000000052018001	EN	Payment Block Key	PBk
BELEG	BSEG	1001000190000000062018	90261	STUDENT011	02/20/2020	09:27:00	FB02	BSEG	ZLSPR	U	A		1001000190000000062018001	EN	Payment Block Key	PBk
BELEG	BSEG	1001000190000000082018	90262	STUDENT011	02/20/2020	09:27:00	FB02	BSEG	ZLSPR	U	A		1001000190000000082018001	EN	Payment Block Key	PBk
BELEG	BSEG	1001000190000000102018	90263	STUDENT011	02/20/2020	09:27:00	FB02	BSEG	ZLSPR	U	A		1001000190000000102018001	EN	Payment Block Key	PBk
BELEG	BSEG	1001000190000000122018	90264	STUDENT011	02/20/2020	09:27:00	FB02	BSEG	ZLSPR	U	A		1001000190000000122018001	EN	Payment Block Key	PBk
BELEG	BSEG	1001000190000000142018	90265	STUDENT011	02/20/2020	09:27:03	FB02	BSEG	ZLSPR	U	A		1001000190000000142018001	EN	Payment Block Key	PBk
BELEG	BSEG	1001000190000000162018	90266	STUDENT011	02/20/2020	09:27:04	FB02	BSEG	ZLSPR	U	A		1001000190000000162018001	EN	Payment Block Key	PBk
BELEG	BSEG	1001000190000000192018	90267	STUDENT011	02/20/2020	09:27:04	FB02	BSEG	ZLSPR	U	A		1001000190000000192018001	EN	Payment Block Key	PBk
BELEG	BSEG	1001000190000000212018	90268	STUDENT011	02/20/2020	09:27:04	FB02	BSEG	ZLSPR	U	A		1001000190000000212018001	EN	Payment Block Key	PBk
BELEG	BSEG	1001000190000000222018	90269	STUDENT011	02/20/2020	09:27:04	FB02	BSEG	ZLSPR	U	A		1001000190000000222018001	EN	Payment Block Key	PBk
BELEG	BSEG	1001000190000000242018	90270	STUDENT011	02/20/2020	09:27:04	FB02	BSEG	ZLSPR	U	A		1001000190000000242018002	EN	Payment Block Key	PBk
BELEG	BSEG	1001000190000000312018	90271	STUDENT011	02/20/2020	09:27:05	FB02	BSEG	ZLSPR	U	A		1001000190000000312018001	EN	Payment Block Key	PBk
BELEG	BSEG	1001000510000000022018	90272	STUDENT011	02/20/2020	09:27:05	FB02	BSEG	ZLSPR	U	A		1001000510000000022018001	EN	Payment Block Key	PBk
BELEG	BSEG	1001000600000000002019	90273	STUDENT011	02/20/2020	09:27:05	FB02	BSEG	ZLSPR	U	A		1001000600000000002019001	EN	Payment Block Key	PBk
BELEG	BSEG	1001000190000000382018	90274	STUDENT011	02/20/2020	09:27:05	FB02	BSEG	ZLSPR	U	A		1001000190000000382018001	EN	Payment Block Key	PBk
BELEG	BSEG	1001000510000000012018	90275	STUDENT011	02/20/2020	09:27:06	FB02	BSEG	ZLSPR	U	A		1001000510000000012018001	EN	Payment Block Key	PBk
BELEG	BSEG	1001000510000000002018	90276	STUDENT011	02/20/2020	09:27:05	FB02	BSEG	ZLSPR	U	A		1001000510000000002018001	EN	Payment Block Key	PBk
BELEG	BSEG	1001010510000000142018	92731	STUDENT011	03/29/2020	13:43:50	MRBR	BSEG	ZLSPR	U		R	1001010510000000142018001	EN	Payment Block Key	PBk

I am not sure about the Change Document Object. Lets check BUPA*(aka Business Partner/Vendor/Customer/Employee)



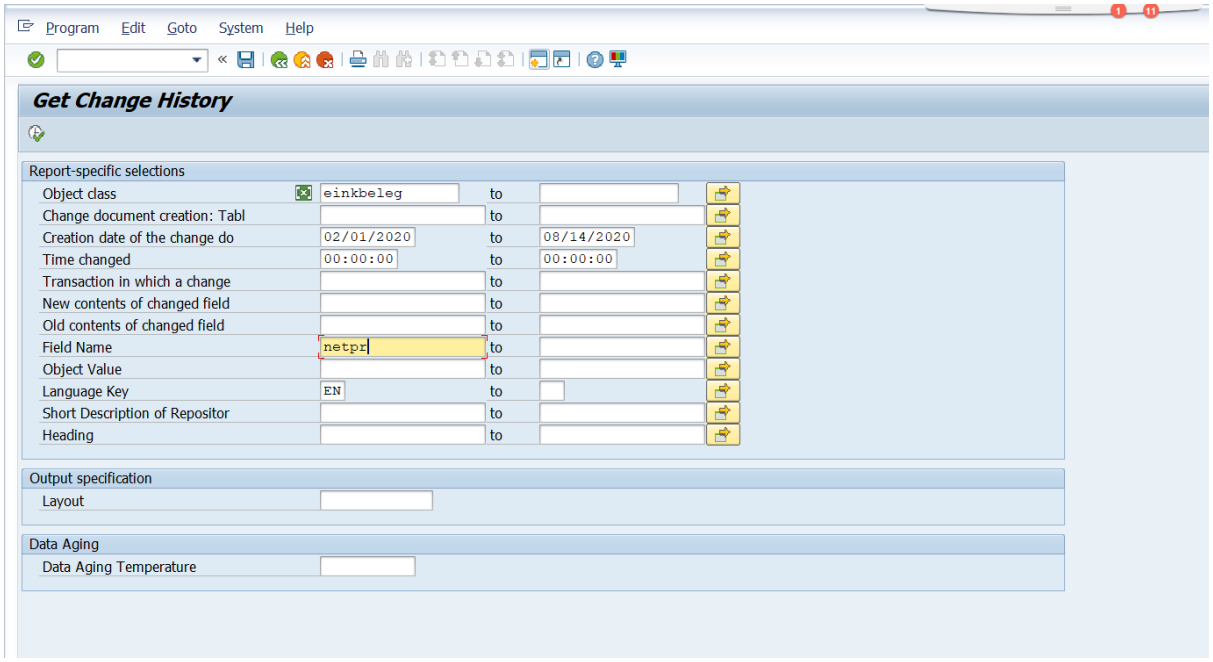
We get all the Output



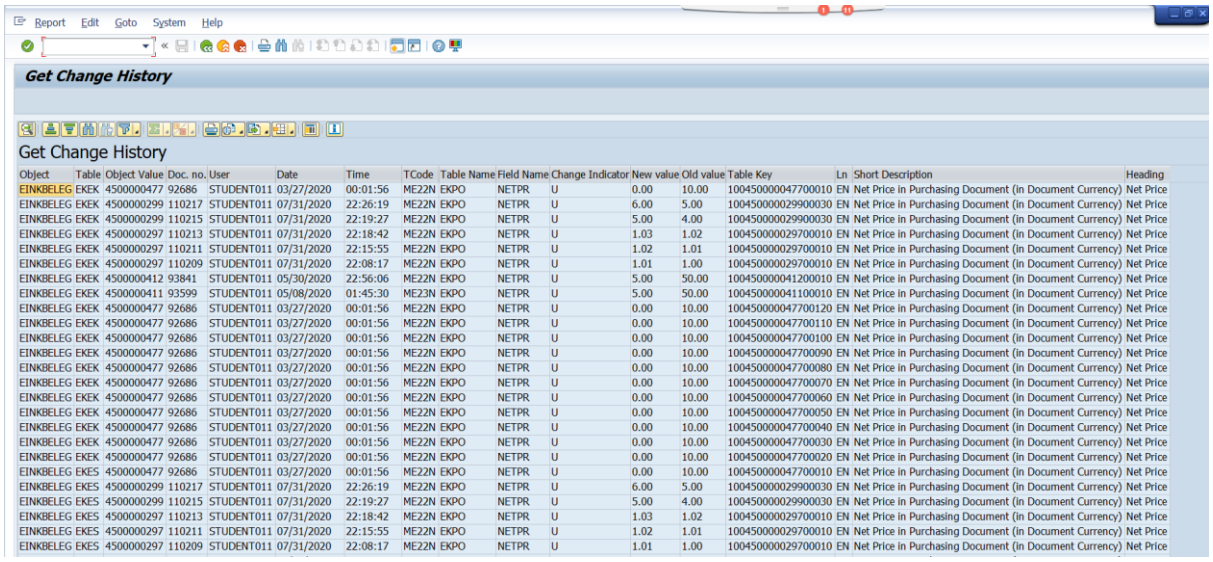
Object	Table	Object Value	Doc. no.	User	Date	Time	TCode	Table Name	Field Name	Change Indicator	New value	Old value	Table Key	Ln	Short Description	Heading
BUPA_BUP	BUT000	0010000140	93752	STUDENT008	05/13/2020	08:10:03	BUPA_PRE_DA	BUT000	XDELE	U	X		1000010000140	EN	Central Archiving Flag	
BUPA_BUP	BUT000_TD	0010000140	93752	STUDENT008	05/13/2020	08:10:03	BUPA_PRE_DA	BUT000	XDELE	U	X		1000010000140	EN	Central Archiving Flag	
BUPA_BUP	BUT001	0010000140	93752	STUDENT008	05/13/2020	08:10:03	BUPA_PRE_DA	BUT000	XDELE	U	X		1000010000140	EN	Central Archiving Flag	
BUPA_BUP	BUT0BK	0010000140	93752	STUDENT008	05/13/2020	08:10:03	BUPA_PRE_DA	BUT000	XDELE	U	X		1000010000140	EN	Central Archiving Flag	
BUPA_BUP	BUT0CC	0010000140	93752	STUDENT008	05/13/2020	08:10:03	BUPA_PRE_DA	BUT000	XDELE	U	X		1000010000140	EN	Central Archiving Flag	
BUPA_BUP	BUT0ID	0010000140	93752	STUDENT008	05/13/2020	08:10:03	BUPA_PRE_DA	BUT000	XDELE	U	X		1000010000140	EN	Central Archiving Flag	
BUPA_BUP	BUT0IS	0010000140	93752	STUDENT008	05/13/2020	08:10:03	BUPA_PRE_DA	BUT000	XDELE	U	X		1000010000140	EN	Central Archiving Flag	
BUPA_BUP	BUT100	0010000140	93752	STUDENT008	05/13/2020	08:10:03	BUPA_PRE_DA	BUT000	XDELE	U	X		1000010000140	EN	Central Archiving Flag	
BUPA_BUP	BUT000	0010000141	93755	STUDENT008	05/13/2020	08:11:39	BUPA_PRE_DA	BUT000	XDELE	U	X		1000010000141	EN	Central Archiving Flag	
BUPA_BUP	BUT000_TD	0010000141	93755	STUDENT008	05/13/2020	08:11:39	BUPA_PRE_DA	BUT000	XDELE	U	X		1000010000141	EN	Central Archiving Flag	
BUPA_BUP	BUT001	0010000141	93755	STUDENT008	05/13/2020	08:11:39	BUPA_PRE_DA	BUT000	XDELE	U	X		1000010000141	EN	Central Archiving Flag	
BUPA_BUP	BUT0BK	0010000141	93755	STUDENT008	05/13/2020	08:11:39	BUPA_PRE_DA	BUT000	XDELE	U	X		1000010000141	EN	Central Archiving Flag	
BUPA_BUP	BUT0CC	0010000141	93755	STUDENT008	05/13/2020	08:11:39	BUPA_PRE_DA	BUT000	XDELE	U	X		1000010000141	EN	Central Archiving Flag	
BUPA_BUP	BUT0ID	0010000141	93755	STUDENT008	05/13/2020	08:11:39	BUPA_PRE_DA	BUT000	XDELE	U	X		1000010000141	EN	Central Archiving Flag	
BUPA_BUP	BUT0IS	0010000141	93755	STUDENT008	05/13/2020	08:11:39	BUPA_PRE_DA	BUT000	XDELE	U	X		1000010000141	EN	Central Archiving Flag	
BUPA_BUP	BUT100	0010000141	93755	STUDENT008	05/13/2020	08:11:39	BUPA_PRE_DA	BUT000	XDELE	U	X		1000010000141	EN	Central Archiving Flag	
BUPA_BUP	BUT000	0900000032	93758	STUDENT008	05/13/2020	08:16:49	BUPA_PRE_DA	BUT000	XDELE	U	X		1000900000032	EN	Central Archiving Flag	
BUPA_BUP	BUT000_TD	0900000032	93758	STUDENT008	05/13/2020	08:16:49	BUPA_PRE_DA	BUT000	XDELE	U	X		1000900000032	EN	Central Archiving Flag	
BUPA_BUP	BUT001	0900000032	93758	STUDENT008	05/13/2020	08:16:49	BUPA_PRE_DA	BUT000	XDELE	U	X		1000900000032	EN	Central Archiving Flag	
BUPA_BUP	BUT0BK	0900000032	93758	STUDENT008	05/13/2020	08:16:49	BUPA_PRE_DA	BUT000	XDELE	U	X		1000900000032	EN	Central Archiving Flag	
BUPA_BUP	BUT0CC	0900000032	93758	STUDENT008	05/13/2020	08:16:49	BUPA_PRE_DA	BUT000	XDELE	U	X		1000900000032	EN	Central Archiving Flag	
BUPA_BUP	BUT0ID	0900000032	93758	STUDENT008	05/13/2020	08:16:49	BUPA_PRE_DA	BUT000	XDELE	U	X		1000900000032	EN	Central Archiving Flag	
BUPA_BUP	BUT0IS	0900000032	93758	STUDENT008	05/13/2020	08:16:49	BUPA_PRE_DA	BUT000	XDELE	U	X		1000900000032	EN	Central Archiving Flag	

Now I want check who is Changing Price in the Purchase order. If it is less great if it is more

WHY



Below is the Output.



Object	Table	Object Value	Doc. no.	User	Date	Time	TCode	Table Name	Field Name	Change Indicator	New value	Old value	Table Key	Ln	Short Description	Heading
EINKBELEG	EKEK	4500000477	92686	STUDENT011	03/27/2020	00:01:56	ME22N	EKPO	NETPR	U	0.00	10.00	100450000047700010	EN	Net Price in Purchasing Document (in Document Currency)	Net Price
EINKBELEG	EKEK	4500000299	110217	STUDENT011	07/31/2020	22:26:19	ME22N	EKPO	NETPR	U	6.00	5.00	100450000029900030	EN	Net Price in Purchasing Document (in Document Currency)	Net Price
EINKBELEG	EKEK	4500000299	110215	STUDENT011	07/31/2020	22:19:27	ME22N	EKPO	NETPR	U	5.00	4.00	100450000029900030	EN	Net Price in Purchasing Document (in Document Currency)	Net Price
EINKBELEG	EKEK	4500000297	110213	STUDENT011	07/31/2020	22:18:42	ME22N	EKPO	NETPR	U	1.03	1.02	100450000029700010	EN	Net Price in Purchasing Document (in Document Currency)	Net Price
EINKBELEG	EKEK	4500000297	110211	STUDENT011	07/31/2020	22:15:55	ME22N	EKPO	NETPR	U	1.02	1.01	100450000029700010	EN	Net Price in Purchasing Document (in Document Currency)	Net Price
EINKBELEG	EKEK	4500000297	110209	STUDENT011	07/31/2020	22:08:17	ME22N	EKPO	NETPR	U	1.01	1.00	100450000029700010	EN	Net Price in Purchasing Document (in Document Currency)	Net Price
EINKBELEG	EKEK	4500000412	93841	STUDENT011	05/30/2020	22:56:06	ME22N	EKPO	NETPR	U	5.00	50.00	100450000041200010	EN	Net Price in Purchasing Document (in Document Currency)	Net Price
EINKBELEG	EKEK	4500000411	93599	STUDENT011	05/08/2020	01:45:30	ME23N	EKPO	NETPR	U	5.00	50.00	100450000041100010	EN	Net Price in Purchasing Document (in Document Currency)	Net Price
EINKBELEG	EKEK	4500000477	92686	STUDENT011	03/27/2020	00:01:56	ME22N	EKPO	NETPR	U	0.00	10.00	100450000047700120	EN	Net Price in Purchasing Document (in Document Currency)	Net Price
EINKBELEG	EKEK	4500000477	92686	STUDENT011	03/27/2020	00:01:56	ME22N	EKPO	NETPR	U	0.00	10.00	100450000047700110	EN	Net Price in Purchasing Document (in Document Currency)	Net Price
EINKBELEG	EKEK	4500000477	92686	STUDENT011	03/27/2020	00:01:56	ME22N	EKPO	NETPR	U	0.00	10.00	100450000047700100	EN	Net Price in Purchasing Document (in Document Currency)	Net Price
EINKBELEG	EKEK	4500000477	92686	STUDENT011	03/27/2020	00:01:56	ME22N	EKPO	NETPR	U	0.00	10.00	100450000047700090	EN	Net Price in Purchasing Document (in Document Currency)	Net Price
EINKBELEG	EKEK	4500000477	92686	STUDENT011	03/27/2020	00:01:56	ME22N	EKPO	NETPR	U	0.00	10.00	100450000047700080	EN	Net Price in Purchasing Document (in Document Currency)	Net Price
EINKBELEG	EKEK	4500000477	92686	STUDENT011	03/27/2020	00:01:56	ME22N	EKPO	NETPR	U	0.00	10.00	100450000047700070	EN	Net Price in Purchasing Document (in Document Currency)	Net Price
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EINKBELEG	EKEK	4500000477	92686	STUDENT011	03/27/2020	00:01:56	ME22N	EKPO	NETPR	U	0.00	10.00	100450000047700050	EN	Net Price in Purchasing Document (in Document Currency)	Net Price
EINKBELEG	EKEK	4500000477	92686	STUDENT011	03/27/2020	00:01:56	ME22N	EKPO	NETPR	U	0.00	10.00	100450000047700040	EN	Net Price in Purchasing Document (in Document Currency)	Net Price
EINKBELEG	EKEK	4500000477	92686	STUDENT011	03/27/2020	00:01:56	ME22N	EKPO	NETPR	U	0.00	10.00	100450000047700030	EN	Net Price in Purchasing Document (in Document Currency)	Net Price
EINKBELEG	EKEK	4500000477	92686	STUDENT011	03/27/2020	00:01:56	ME22N	EKPO	NETPR	U	0.00	10.00	100450000047700020	EN	Net Price in Purchasing Document (in Document Currency)	Net Price
EINKBELEG	EKES	4500000477	92686	STUDENT011	03/27/2020	00:01:56	ME22N	EKPO	NETPR	U	0.00	10.00	100450000047700010	EN	Net Price in Purchasing Document (in Document Currency)	Net Price
EINKBELEG	EKES	4500000299	110217	STUDENT011	07/31/2020	22:26:19	ME22N	EKPO	NETPR	U	6.00	5.00	100450000029900030	EN	Net Price in Purchasing Document (in Document Currency)	Net Price
EINKBELEG	EKES	4500000299	110215	STUDENT011	07/31/2020	22:19:27	ME22N	EKPO	NETPR	U	5.00	4.00	100450000029900030	EN	Net Price in Purchasing Document (in Document Currency)	Net Price
EINKBELEG	EKES	4500000297	110213	STUDENT011	07/31/2020	22:18:42	ME22N	EKPO	NETPR	U	1.03	1.02	100450000029700010	EN	Net Price in Purchasing Document (in Document Currency)	Net Price
EINKBELEG	EKES	4500000297	110211	STUDENT011	07/31/2020	22:15:55	ME22N	EKPO	NETPR	U	1.02	1.01	100450000029700010	EN	Net Price in Purchasing Document (in Document Currency)	Net Price
EINKBELEG	EKES	4500000297	110209	STUDENT011	07/31/2020	22:08:17	ME22N	EKPO	NETPR	U	1.01	1.00	100450000029700010	EN	Net Price in Purchasing Document (in Document Currency)	Net Price

Also check the blog to generate an ABAP Report from ABAP Query

https://blogs.sap.com/2020/07/28/how-to-write-a-report-directly-in-production-and-share-it-with-use-of-sqvi/

Conclusion

This can be used only in SAP S/4 HANA and not SAP ECC

Below is the Video version