

Mastering SAP Authorization Objects: A Comprehensive Overview



SAP Knowledge Hub

We Are Here to Boost Your Career Corporate Training || Classroom Training || Outsourcing



info@ambikeya.com||www.ambikeya.com||+917746805189



Mastering SAP Authorization Objects: A Comprehensive Overview:

Introduction

One of the biggest reasons SAP has been successful is its high level of security, making it highly favoured by auditors for its compliance with SOX (Sarbanes-Oxley) requirements.

What is an Authorization Object?

An authorization object allows you to access specific functions within the SAP System. Each authorization corresponds to an authorization object and defines values for each authorization field within that object. These authorizations are organized into profiles, which are then assigned to user master records.

In this blog, we will delve into the following topics:

- How to Find the Authorization Object Associated with a Transaction Code in SAP
- How to Determine an Authorization Object Based on its Name in SAP
- How to Retrieve Authorization Objects by Process Area in SAP
- How to Access All Activity Authorization Objects in SAP
- How to Identify Different Activity Types for Authorization Objects

Solution

How to Find the Authorization Object Associated with a Transaction Code in SAP

Navigate to the SE16N transaction code.



Please Provide Table TSTAVT



Tanie nustrali Equ	minn muthe oftenen lieb					-
0	• × 🖌 🕲 🕄 🗁 🕅 🕅	1 わわみわ 間回 0 準				
General Table Di	splay					
Background Number	of Entries A.S.G. F. F.A.L	ntries 🖆 🏟				
lable	TSTAVE	Generated Table for V	ew.			
ext table		etret ok				
ayout						
Maximum no. of hits	500	Dilaritan entres				
Selection Oriteria						
Rd name	O Fr.Value	To value	More	Output	Technical name	
ramaction Code			13	(R)	TCODE	
bject	4		10	8	OBJCT	
iekt Name	4		8	- 191	FIELD	
anguage	44		3	8	SPR5L	
lessage ID	0		19	10	ARBGB	
rogram	-		10	8	POMNA	
lumber	-04		8	100	DYPNO	
HAR05 data element	88		19	3	MENUE	
EX01 data element f			19	1 12	CINFO	
			1	8	VALUE	
aue .			. 49.	1 191	TTEXT	
ext						

Provide the Transaction Code or Transaction Codes you want to Check. Below example shows we are checking ME21N

v .		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -				
General Table Di	splay					
Background Number	of Entries 3.5.7. R. R. Al E	intries 📓 🎼				
Table	TSTAVT	Generated Table for V	Sew			
Text table		I No teuta				
Layout						
Maximum no. of hits	500	©Maintain entries				
Selection Criteria						
Fid name	O., Fr.Value	To value	More	Output	Technical name	
Transaction Code	41 ME214	ja l	- 8	(Z)	TCODE	
Object	+2+		8	8	OBJCT	
Field Name	100		10	(R)	FIELD	
Language	< EN		- #	0	SPRSL	
Message ID			B	1	ARBOB	
Program	10		3	0	PGMNA	
Number	404		49	2	DYPNO	
CHAR05 data element	-24		3	8	MENUE	
HEX01 data element f	*J#		-	2	CINFO	
Value	474		8	2	VALUE	
Text			3	1	TTEXT	

Here are the below entries.

TSTAVT: Display of Er	ntries Found			
24				
earch in Table umber of hits untime	TSTAVT 2 0	Gen Maximum no. of hits	erated Table for View	
ME21N M_BEST_EKO ACTVT ME21N M_BEST_EKO EKORG	EN	RM_MEPO_GUI 1000 RM_MEPO_GUI 1000		Be of the Create Purchase Order

AMBIKEYA

The above list only shows the Auth Object Assigned in SE93 Transaction Code.

Display Report Tran	saction	
今日 学者 許得時 。	h ≦ □ I	
Transaction code	ME21N	
Package	ME	
Transaction text	Create Purchase Order	
Program	RM_MEPO_GUI	
Selection screen	1000	
Start with variant		
Authorization Object	M_BEST_EKO	
Classification		
Transaction classification		
Professional User Transact	lion	
Q Easy Web Transaction	Service	
Pervasive enabled		
GUI support		
SAP GUI for HTML		
WISAP GUI TOF Java		
Alser Chi tor Mangews		



In order to get the Authorization object assigned not in SE93 and also assigned use Table USOBT

	× 🔚 🐼 😪 💷	: N B I I I I I I I I I I I I I I I I I I	
Data Browser:	Initial Screen		
Data Bromotr.			
Table Name	usobt		
is the regult for b	4.01		
e is the result for '	VA01		
e is the result for '	VA01		
e is the result for '	VA01		
e is the result for '	VA01		
e is the result for '	VA01		
e is the result for '	VA01		
e is the result for '	VA01		
e is the result for '	VA01		
e is the result for '	VA01		
e is the result for '	VA01		
e is the result for '	VA01		
e is the result for '	VA01		
e is the result for '	VA01 Ings System Help		
e is the result for Program Edit Qoto Set	VA01		
e is the result for Program Edit Goto Set	VA01 Ings System Belp ■ @ @ @ @ ∰ Min / DODD1		
e is the result for ' Program Edit Goto Set Correct Correct Set Data Browser: Table C	VA01 Mgs System Bep ■ @ @ @ @ ₩ M 10001 SOBT: Selection Screen		
Program Edit Qoto Set	VA01 Ings System Help I @ @ @ I D II A 10 10 10 10 ISOBT: Selection Screen		
e is the result for ' Program Edit Qoto Set Tota Browser: Table L Wumber of Entries	VA01		
e is the result for ` Program Edit Qoto Sel Tota Browser: Table L Quint Entries	VA01		
e is the result for ' Program Edit Goto Set Orata Browser: Table L Quint Browser: Table L Number of Entries	VA01 Mgs System Bep ■ @ @ @ @ ■ M DOODE ISOBT: Selection Screen		
	/A01 Ings System Belp ■ @ @ @ ■ In M / O © D # ISOBT: Selection Screen		
e is the result for ' Program Edit Qoto Sel Tota Browser: Table L Data Browser: Table L Mame Test status type	VA01		
Program Edit Goto Set	VA01		
e is the result for ' Program Edit Qoto Set Test status type Object Field Name	VA01		
Program Edit Goto Set	VA01		
e is the result for ' Program Edit Goto Set Compared to the set Compared to the set Name Test status type Object Field Name Value	VA01		
e is the result for ' Program Edit Qoto Set Program Edit Qoto Set Data Browser: Table L Data Browser: Table L Name Test status type Object Field Name Value	VA01		
	VA01		
e is the result for ' Program Edit Goto Set Comment Test status type Object Field Name Value Value Value	VA01		
	VA01		
	VA01		
	VA01		

250

200

Width of Output List

Maximum No. of Hits



- × 🖃 👩 😂	C (公前前)	0.000	2107				
Browser: Table USOBT S	elect Entries	46					
	S A REE	40 mm - 10 mm - 10					
C cours and the st	a do the avel						
ne Test status type and Proposed Valuer	1 Authorization Obs	of Automation	Fit Authorization Value Auth	orlusten Value Charged	By Mishfeation d	also Modification New	
IT IR	B_USERSTAT	ACTVE	DI	SAP	07/03/1990	11:13:53	
01 IR	B_USERSTAT	ACTVT	-06	SAP	07/03/1998	11,13,53	
DT TR.	IL_USERSTAT	INCRGL.		SAP	07/02/1996	10:35:03	
07 TR	#_USERSTAT	OBTYP		SAP	\$7,0211996	10:35:03	
01 TH	B_USERSTAT	STSMA		SAP	07/02/1996	10:35.03	
01 TR	H_USERST_T	ACTVT		SAP	01/31/2000	06 58 05	
01.116	H_USERST_T	BERSL		SAP	01/31/2000	00.58.05	
01 TR	B UBERST T	OBTYP		SAP	01/31/2000	08 58 05	
01 TR	II USERST T	STSRA		SAP	01/31/2000	00.58.05	
01 TR	G TOLS BEH	HLART		BAP	11/02/1909	14:27:07	
DI 18	G TELS BER	SICHT		SAP	11/02/1009	14 27 07	
01 TR	C TELS MNT	ACTVT		SAP	11/02/1999	14:27:08	
01 114	C-TELS MNT	HQ.AJET		SAD	11/00/1999	14 27 06	
OF TR	O TELS MIT	SICHT		SAP	11/02/1999	14:27:08	
UT TR	K CRES	ACTVT	Dt	SAP	07105/1996	17:01:48	
D1 TR	K CKBS	ACTVT	102	SAP	67/05/1998	17.01.48	
05 TR	K CRES	ACTVT.	03	SAP	07/05/1996	17 01 45	
01 TR	K CHES	KOKRS-	BROKRE	SAP	02/06/2000	14/22/18	
DI TR	K KEA TC	ACTVT	V Manual I	SAP	10/27/1997	17-17-59	
IT TR	K KEKO	ACTVT	10	SAP	01/28/1997	09.24.06	
ON TR	N REND	BUKRS	MUKRS	SAF	02/06/2003	14 22 18	
01 TR	K KEKD	NI VAR	100000000	SAP	01/27/1997	11 33-29	
01.116	K KER TC	ACIVE		SAP	06/27/1997	10.07.10	
DS TR	V VEAK AAT	ACTVT	DI	SAP	11/04/1997	13 33 27	
05 118	V VBAK AAT	ACTVE	00	540	11/04/1997	11 30 27	
OF TR	V VEAK AAT	ACTVT	01.	SAP	11/04/1997	1133:27	
01 TR	V VBAK AAT	ACTVE	05	540	11/04/1997	12 31 27	
ON THE	V VBAK AAT	ACTVT	05	SAP	11/04/1997	(13):27	
01 18	V VBAK AAT	ACTVE	24	SAP	11/04/1997	11 33 27	
03 114	V VBAK AAT	ACTVT	26	EAP .	11/04/1997	0.3127	
UT TR	V VBAK AAT	ACTVC	43	549	11/04/1997	13 33 27	
TO TO	W WHAT ANT	ACTO	101	640	11/04/1007	111111	

1. How to know Authorization Object of anything by just the Name in

SAP? Go to SE16N Transaction Code



Please Provide table names TOBJT



General Table D	isplay					
D Background Number	of Entries 3.5.3 To To A	Ertries L +>				
Table Text table	TCADE	101	Short Tests for Authorization Objects			
Maximum no. of hits	500	3	2Maintain entries			
Selection Criteria						
Fitname	O. Fr Value	To value	More	Output	Technical name	
Language	4		3	60	LANGU	
Otject	4		8	8	OBJECT	
Text	-		8	(R)	TTEXT	

Search with *Plant* wildcard

		nes		
Plant DP	To value	Mon R H	Output 2 2 2	Teshnical name LANGU OBJECT TTEXT
	Plant 2P	n Value To value	n Value To value More	t Value To value More Output

Here are the below Entries



IOBJ	1: Display of	Entries Found				
(8.物)						
Search in	Table	TOBJT		Short Texts for Authorizatio	on Objects	
iumber of	/ hits	58				
tuntime		0	Maximum no. of hits	500		
304	ALC: NUCLEAR			Details		
尼 Langu	age Object	Text				
EN	/DSD/SL_WR	Cockpit and TDE: Authoriza	ation for Plant			
EN :	A_S_WERK	Asset Master Data Mainter	ance: Company Code/Plant			
EN	C_AFKO_AWA	CIM: Authorization for Prod	Order/Order Type/Plant/Activity			
EN	C_AFKO_AWK	CIM: Plant for order type of	forder			
EN.	C_AFKO_DIS	Network: MRP Group (Plan	t) and Transaction Type			
EN	C_CREC_WRK	PP-PI Control Recipe - Pla	ant			
EN	C_FVER_WRK	PP-PI: Production Version	- Plant			
EN	C_MESS_WRK	PP-PI: Process Messages	- Plant			
EN	C STUE WRK	CS BOM Plant (Plant Assig	pments)			
EN.	I. IWERK	PM: Maintenance Planning	Plant			
EN	I ROUTI	PM: Task Lists by PM Plan	ning Plant, Work Scheduler, Stat	us		
EN	I SWERK	PM: Maintenance Plant	-			
EN.	K MLPUSER	CO Material Ledger Plant	settlement (no longer used)			
EN	MAN PM KPI	Manufacturing Add Plant N	lanager KPI			
EN	MSR PLANT	Advanced Returns Manage	ment Plant Authorization			
EN	M AMPL WRK	Approved Manufacturer Pa	rts List - Plant			
EN	M ANER LOO	Plant/Storage Location in A	FQ			
-	The second descent		and the second sec			

1. How to get Authorization Object by Process Area in SAP?

Go to Transaction Code SU21





• * (i	🔞 🙆 👩 📓 🖄 LETER E EL 💭 🖾 🗐 😨 😓 🖉	
Maintain Authorization	Objects	
GRegenerate SAP_ALL		
VA MELONICAN		
ClassiCoget DiFCC FDT FIT FIT FIBR FIBR FIBR FIBR FIBR FICO FIBR FICO F	Test Financial Closing cockpit Business Rule Framework plus Financiał Accounting Authorization class for Argentina Vendor Exemption Banking RU (Memorial Orders) Financiał Services - Financial Conditions Authorization Class for Japan Individual Number Authorization Class for Kazakh Republic development Financiałs Basis Financiał Accounting- Qatar Public Sector Financiałs Russia Authorization Class for Kindom of Saudi Arabia Authorization class for Fi reporting for Turkey localization Treasury Financiał Accounting - Kingdom of Saudi Arabia SAP Master Data Governance Financiał Accounting - PDC Framework for Mass Activities Financial Quantity Management Financiał Supply Chain Management Fashion Authorizations	Type Object CL Object CL

Now Search with Purchase Order and here we get the Authorization Object

1		
laintain Authorizat	ion Objects	
Regenerate SAP_ALL		
ass/Object	Text IS-M. Authorization for Purchase Orders IS-M. Authorization to Accent a Return	Type Authoriza Authoriza Authoriza
Search Term:	Find only entire word or value Display Number of Hits	Authoriza Authoriza Authoriza Authoriza Authoriza Authoriza Authoriza Authoriza
J TRANSFER J COLLECT J GDE_SPE J GDEZ_SPE J GKRZ_SPE J GKRZ_SPE J PROTOCOL J WMAT J GP CH	IS-M: Create/Change Goods Transfer IS-M: Goods Collection IS-M: Lock Business Partner Role (Customer) IS-M: Lock Business Partner Role (Customer) Centrally IS-M: Lock Business Partner Role (Vendor) IS-M: Lock Business Partner Role (Vendor) IS-M: Log Display IS-M: Log Display IS-M: Manage Advertising Materials IS-M: Mass Changes to Business Partners IS-M: Mass Changes to Business Partners	Authoriza Authoriza Authoriza Authoriza Authoriza Authoriza Authoriza Authoriza Authoriza Authoriza

1. How to get all the Activity Authorization Object in SAP can Function?

Go to SE16N Transaction Code



2 1	<u>l</u> enu	u .	Edit	t	Eav	orite	5	Extras	Syn	stem	H	elp							
0	[/ns	e16	in		Þ	•] «		a 6	•	-	M	ŝ	8	1	5	1	5	
SA	P	Ea	isy	A	cce	ess	E	Busir	ness	Pa	rtn	er	:: T	as	k N	/lei	nu		
C <u>a</u> (Þ	ò	10	ء	0	•	•												
•	Fa	OBA SAP	ites 5 - 1 _BV	Cha V_V	nge IEW	Mes	sage st	e Contro	ol										

Please provide table name as VTACTZ

General Table	Display					
Dackground Nur	nber of Entries 🛛 🗒 🕞	B BAI Entries	3 🕪			
Table	VTACTZ	4	Generated Tat	le for View		
Text table			() Not to the			
Layout						
Maximum no. of hits	500		[]Maintain ent	ies.		
Selection Criteria						
Fid name	O_Fr.Value		To value	More	Output	Technical name
Language	4			A.	1	SPRAS
Object	4			19	9	OBJCT
Activity	4				19	ACTVT
Text	4			- 8	50	LTEXT
	/ Kulkadi			Land Street of S		

Please provide the below entry





CONTRACTOR OF CONT					
General Table D	isplay				
D Beckground Number	of Entries 3. 5. 5. 18 18 Al Ent	ries 🖉 🎨			
Table	VTACTZ	Generated Table for View			
Text table		C]Pila texta			
Layout					
Maximum no. of hits	500	CMaintain entites			
Selection Criteria					
Pid name	O., Fr.Value	To value	More	Output	Technical name
angoage	. EN	and the second sec	100	1	SPRAS
Object	M BEST BSA	p	+	(2)	OBJCT
Activity	4		4	(2)	ACTVT
				101	LTEXT

Below we get all the Activities that is possible for the Authorization Object.

VIACI	Z: Display of E	entries Found			
依 称					
Search in 1	fable	VTACTZ		Generated Table for View	
Number of	hits	9			
Runtime		0	Maximum no. of hits	500	
EN EN EN EN	M_BEST_BSA 02 M_BEST_BSA 03 M_BEST_BSA 04 M_BEST_BSA 06 M_BEST_BSA 09 M_BEST_BSA 09 M_BEST_BSA 75	Change Display Print, edit messages Delete Display change documents Display prices Remove			
EN	M_BEST_B5A 76	Enter			

1. How to find the different Activity types for Authorization

Object? Go to SE16N Transaction Code



merra Luit	Latomea	PUN BD	ofacein	Timb					
se16n	• «	00	6	€ M	n I	100	1	5 🖻	0 🛡
9				127	-				
SAP Easy A	ccess E	Busine	ss Pa	rtner	: Tas	k Me	nu		
	1								
	× • -								
Favorites									
· A OBA5 - Chi	ange Message	Control							
· @ SAP_BW_	VIEW - test								
. \$ S_ALR_87	010018 - Cust	omer / Ve	ndor / G	L Accou	nt				
. * S BCE 68	001427 - Tran	sactions	for User						
and the second se									

Please provide table as TACTT

		1114141 (JEI (JEI (JE			
General Table D	isplay				
Background Numbe	r of Entries 3.5.5.6.6.8.8.8	tries 🔮 📢			
able	TACTT	Activities that o	an be protected		
ext table		Citiz texts			
ayout					
faximum no. of hits	500	Maintain entr	ies		
Selection Ortheria					
id name	O., Fr.Value	To value	More	Output	Technical name
anguage	-34		3	8	SPRAS
ctivity	0		3	8	ACTVT
ext			8	1	LTEXT

Now enter the following entry as we wish to see in English



Constal Table D	lenlau				
General Table D	ispiay				
Background Number	of Entries	Entries 👔 🥵			
Table	TACTT	Activities that can b	e protected		
Text table		No lests			
Layout					
Maximum no. of hits	500	Maintain entries			
Selection Criteria					
Fkt name	O., Fr.Value	To value	More	Output	Technical name
Language	S EN	ja l	1	8	SPRAS
	-		8		ACTVT
Activity			-04	1 2	LTEXT
Activity Text			here bellen		
Activity Text	(<u>@</u>)		here belle	- AC	
Activity Text	<u>.</u>			AC.	
Activity Text	0				
Activity Text	•		Lee Marine		

Here are all the possible Activity Types available

0		• • 🖬 🕲 🕤 🕀 🗄	1000000000		
TACT	: Disp	olay of Entries Found			
(3)称					
Search in '	Table	TACTT	Activiti	es that can be protected	
Number of	hits	249			
Runtime	24	0	Maximum no. of hits	500	
E Langu	age Activi	ty Text			
100	19 0		1997年,1999年,1999年,1999年	Details	
EN	01	Add or Create			
EN	oz	Change			
EN	03	Display			
EN	04	Print, edit messages			
EN.	05	Lock			
EN	06	Delete			
EN	07	Activate, generate			
EN	08	Display change documents			
EN	09	Display prices			
EN	CA	Check Documents for Process			
EN	OB	Status Change in Substitute			
EN	10	Post			
EN	11	Change number range status			
EN	12	Maint and gen change document			
EN	13	Initialize number levels			
and a second	14	Field select: Generate screen			
EN	40	Figid select 'Assign table			
EN	1.2	a serve and s			



Conclusion

The information presented in this blog is applicable to both SAP ECC and SAP S/4HANA systems.

For a video version of the content, please refer to the following topics:

- How to Identify Authorization Objects Associated with Multiple Transaction Codes in SAP
- Determining Authorization Objects Based on Their Names in SAP
- Retrieving Authorization Objects by Process Area in SAP
- Accessing All Activity Authorization Objects in SAP

4.1 Identifying Different Activity Types for Authorization Objects





THANK YOU



- Corporate Training
- Instructor LED Training
- Seminars & Workshop Internship
- Mock Interview
- Customised Courses
- Project Support For Implementation
- Staff Augmentation And Talent



info@ambikeya.com||www.ambikeya.com||+917746805189