M3 Role Based Security

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Agenda | outline

01
Introduction

02
Role based function security

03
Role based API security

04
Security audit

05

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Job Role Based Security

M3 Role based security - Introduction

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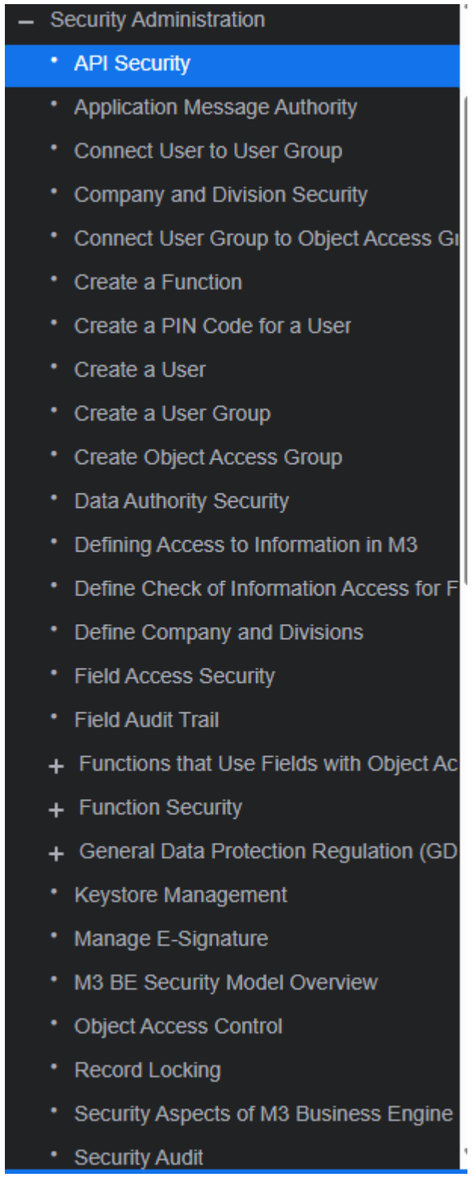
M3 Role based security – Introduction

- Different types of security
  - Company/Division security
  - Data security (object access group)
  - Field security
  - PIN code
  - Role based function security
  - Role based API security
  - Transaction based API security
  - Security audit
  - FAT

- E-signature incl record locking
- GDPR
- Application message authority
- Keystore management
- ….

- Documentation



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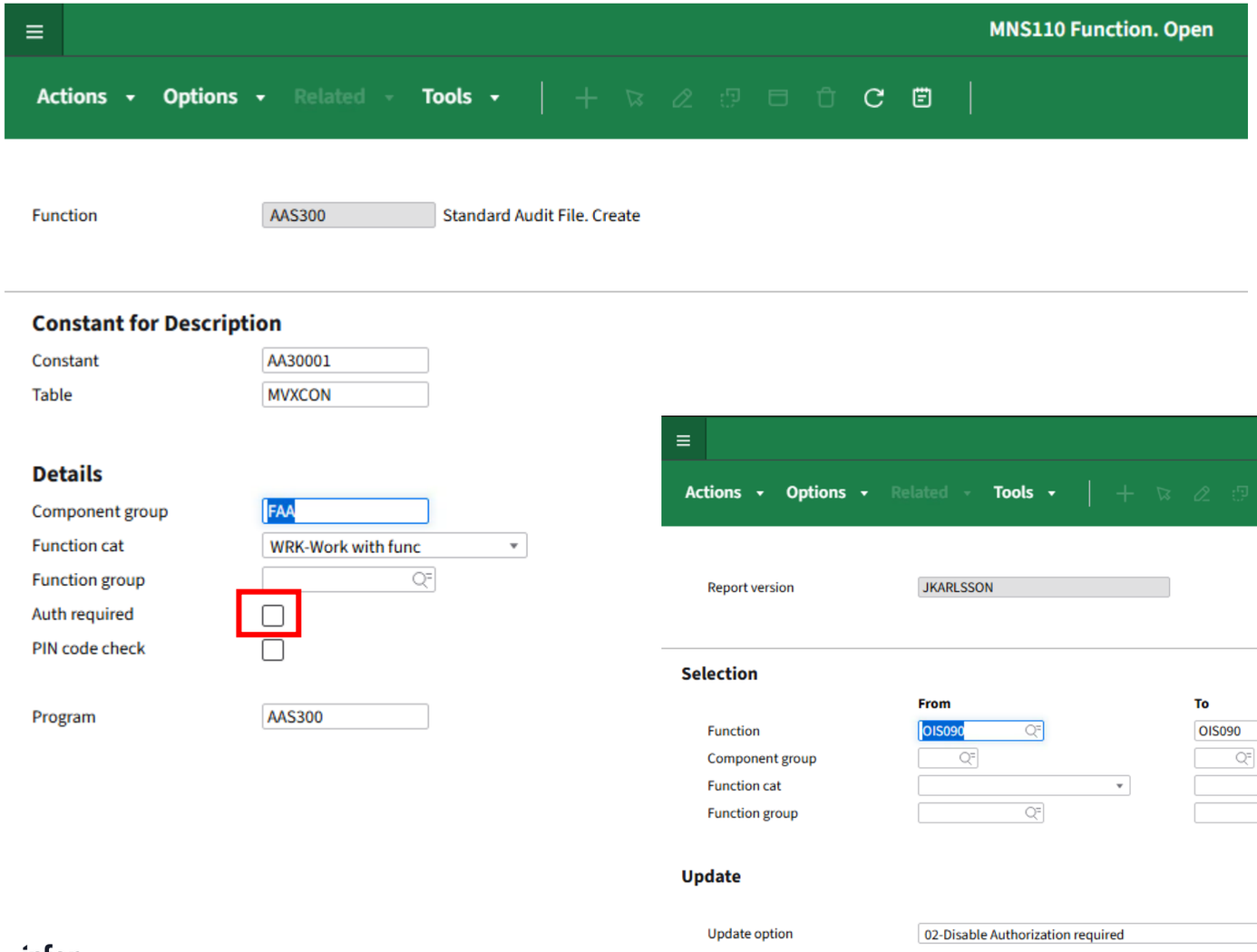
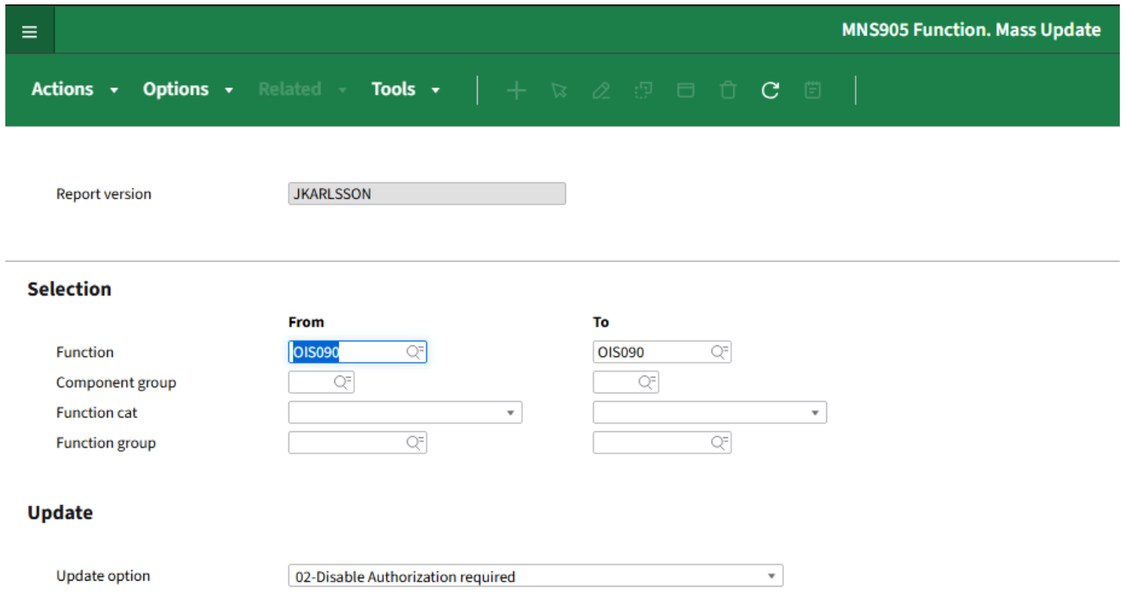
MNS110 - Function





- Auth required – controls how/if security settings are used
- Mass update of “Auth required” = F16

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M3 Role based function security

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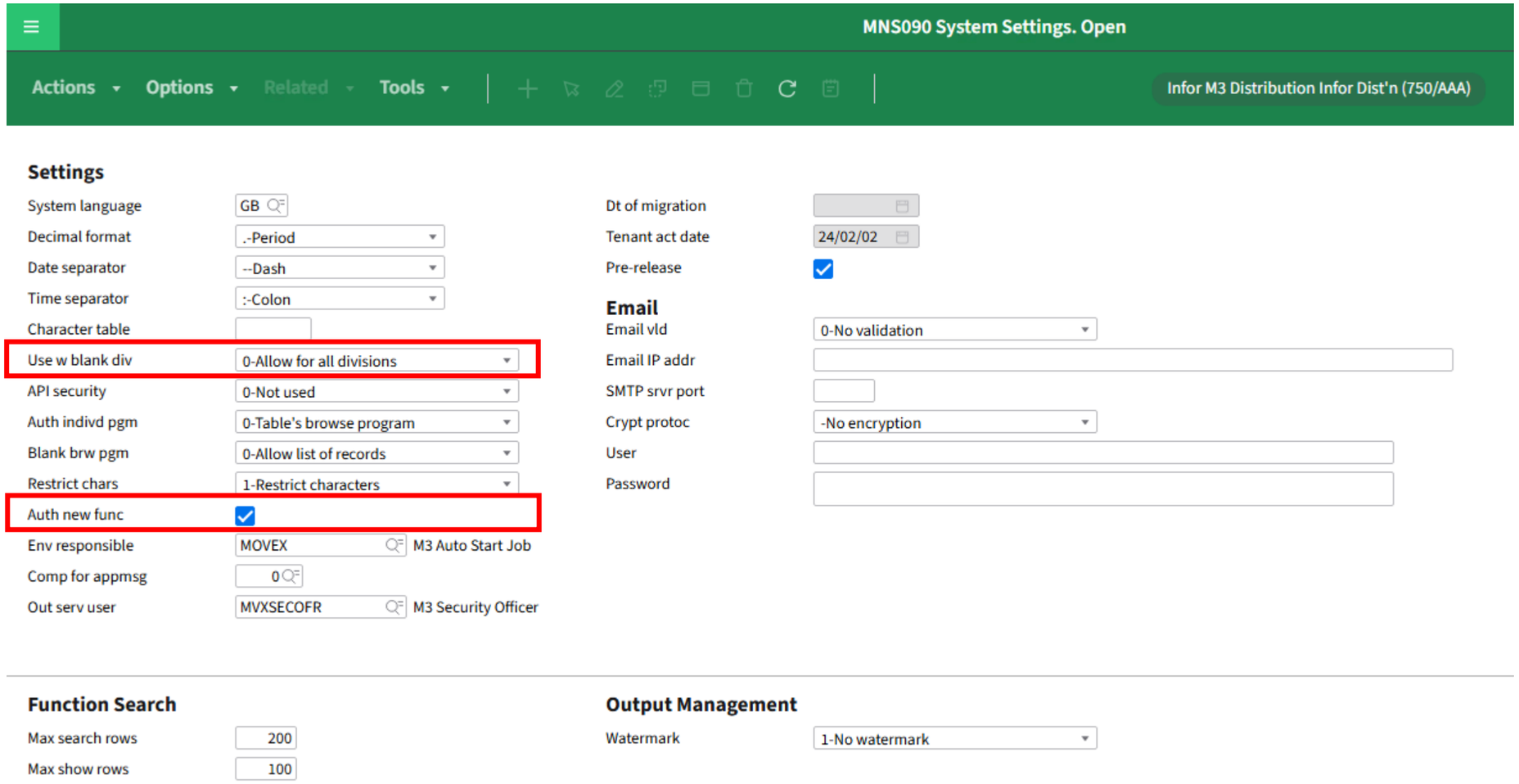
M3 Role Based Function security – General settings



- Blank division control => blank division means all or blank?
- Adding new functions => protected or open?

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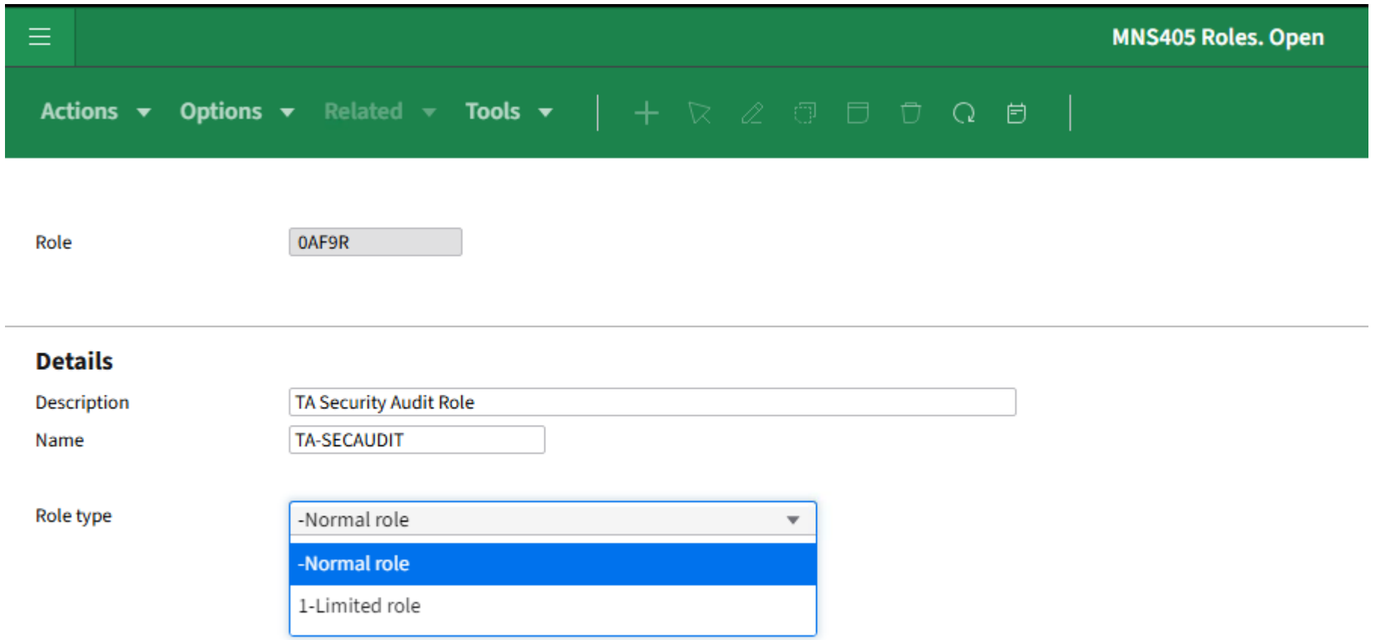
M3 Role Based Function security – Roles



- Define your roles
- Limited role is used together with License type 2 (Limited user)
- Option 22 – generate functions in SES400

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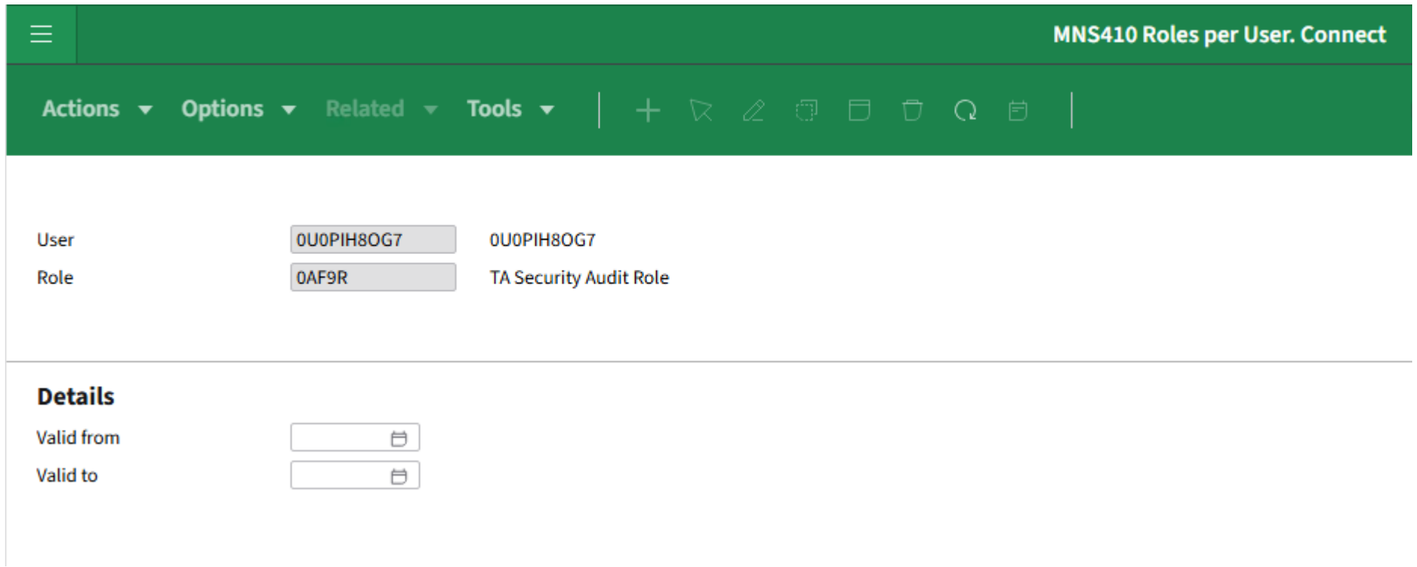
M3 Role Based Function security – Roles/user



- Connect user to your roles
- Limited role can only connect to limited users (license type 2)

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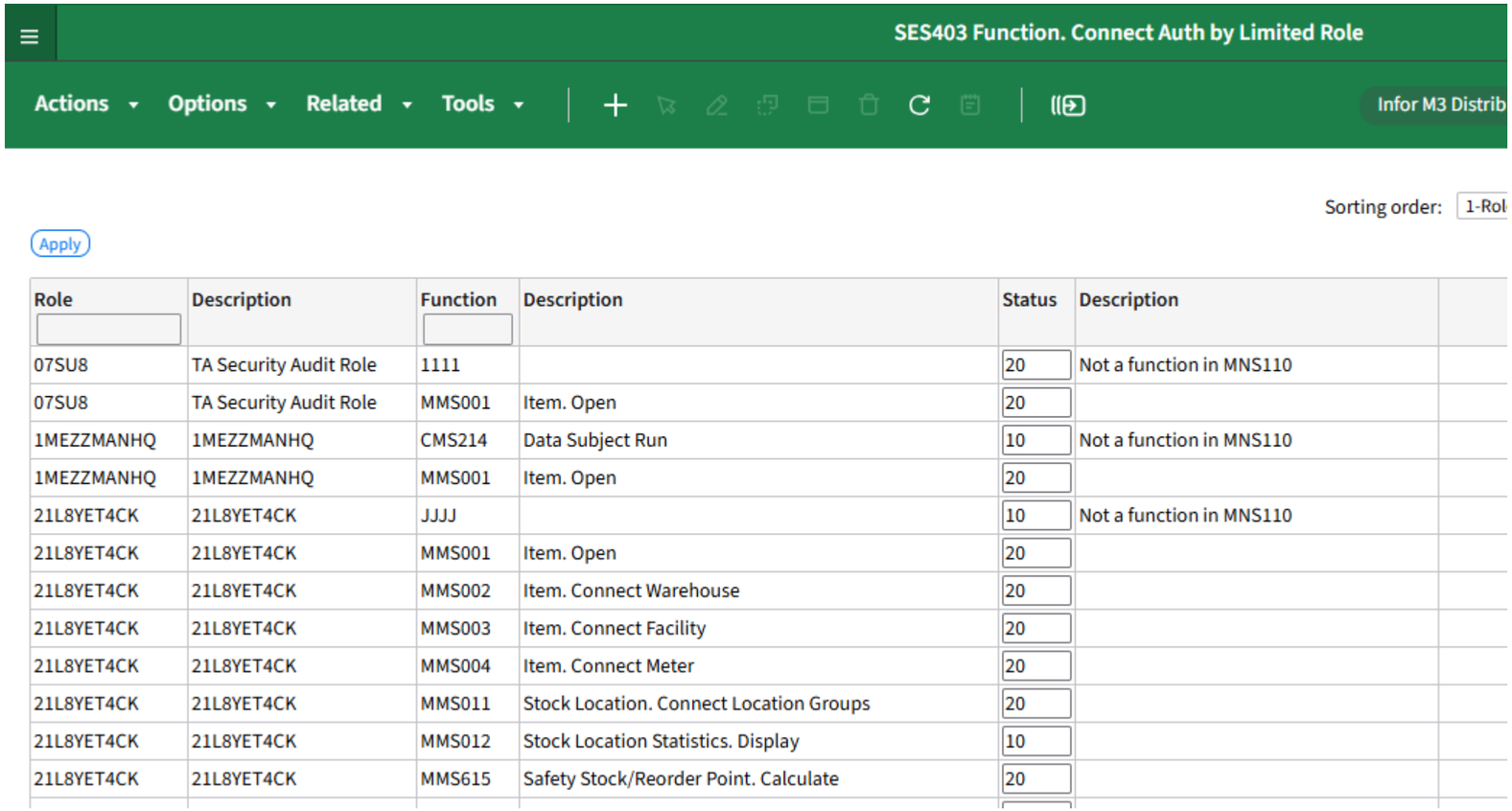
M3 Role Based Function security – Limited Roles/Function



Role	Description	Function	Description	Status	Description
07SU8	TA Security Audit Role	1111		20	Not a function in MNS110
07SU8	TA Security Audit Role	MMS001	Item. Open	20	
1MEZZMANHQ	1MEZZMANHQ	CMS214	Data Subject Run	10	Not a function in MNS110
1MEZZMANHQ	1MEZZMANHQ	MMS001	Item. Open	20	
21L8YET4CK	21L8YET4CK	JJJJ		10	Not a function in MNS110
21L8YET4CK	21L8YET4CK	MMS001	Item. Open	20	
21L8YET4CK	21L8YET4CK	MMS002	Item. Connect Warehouse	20	
21L8YET4CK	21L8YET4CK	MMS003	Item. Connect Facility	20	
21L8YET4CK	21L8YET4CK	MMS004	Item. Connect Meter	20	
21L8YET4CK	21L8YET4CK	MMS011	Stock Location. Connect Location Groups	20	
21L8YET4CK	21L8YET4CK	MMS012	Stock Location Statistics. Display	10	
21L8YET4CK	21L8YET4CK	MMS615	Safety Stock/Reorder Point. Calculate	20	

- Connect functions to your limited roles
- Status 20 = Active

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M3 Role Based Function security – Role/Function

Role	Function	Cmp	Div	Sts	Remark
6PVVFUOOWG	SES590	750	AAA	20	
750ZI	MMS001	770	AAA	20	
ABCDE	DIGITEST	136	AAA	20	
ABCDE	DITEST	136	AAA	20	
ABCDE	EVS002MI	136	AAA	10	
ABCDE-2	CRS930	136	AAA	20	
ABCDE-2	DIGITEST	136	AAA	20	
ABCDE-2	DITEST	136	AAA	20	
ABCDE-3	CRS930	136	AAA	20	
ABCDE-3	DIGITEST	136	AAA	20	
ABCDE-3	DITEST	136	AAA	20	

- Connect functions to your roles
- Blank division is dependent on setting in MNS090 (see previous slide)

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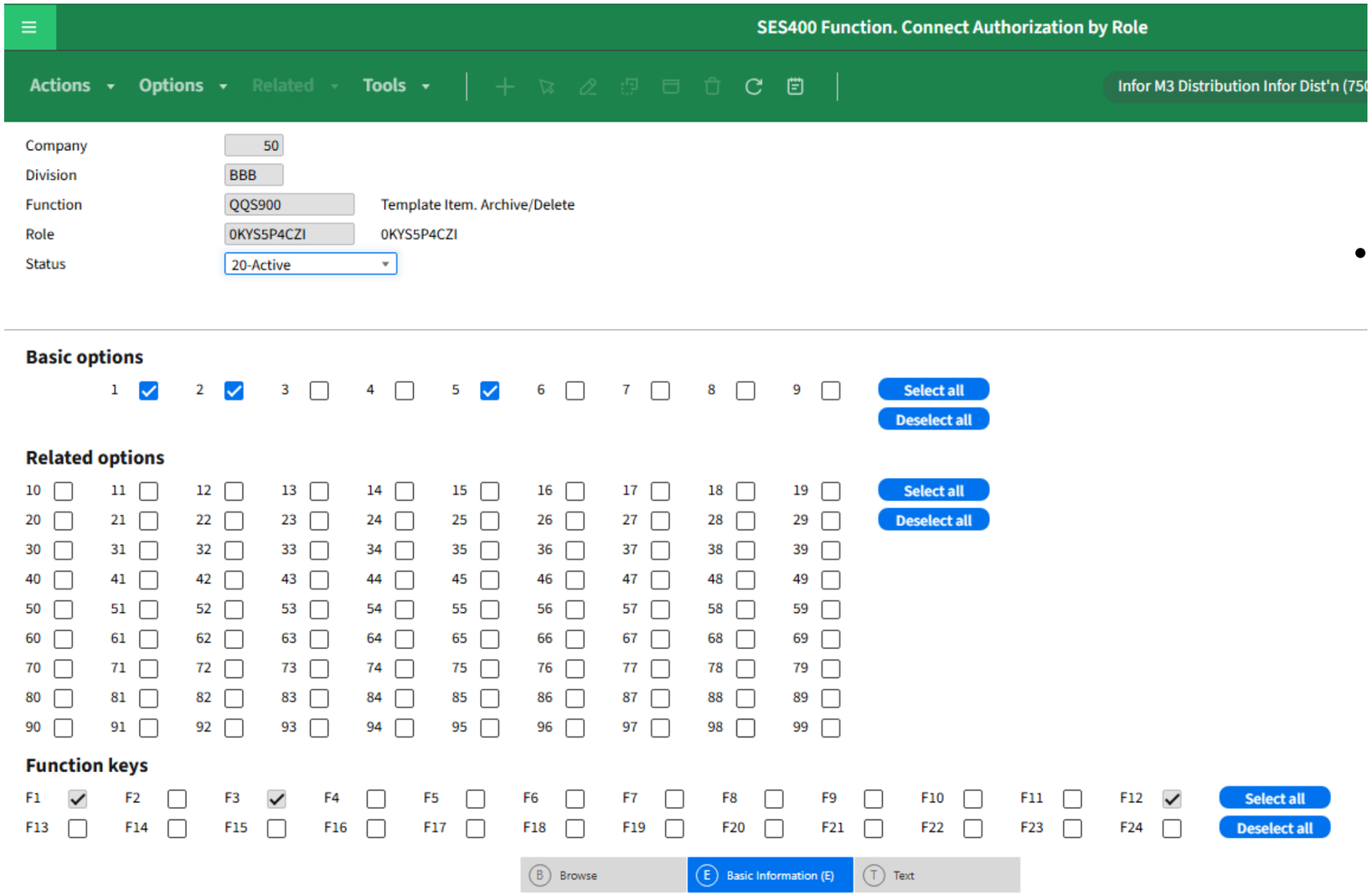
M3 Role Based Function security – Role/Function



- Define which options and F-keys that are allowed.

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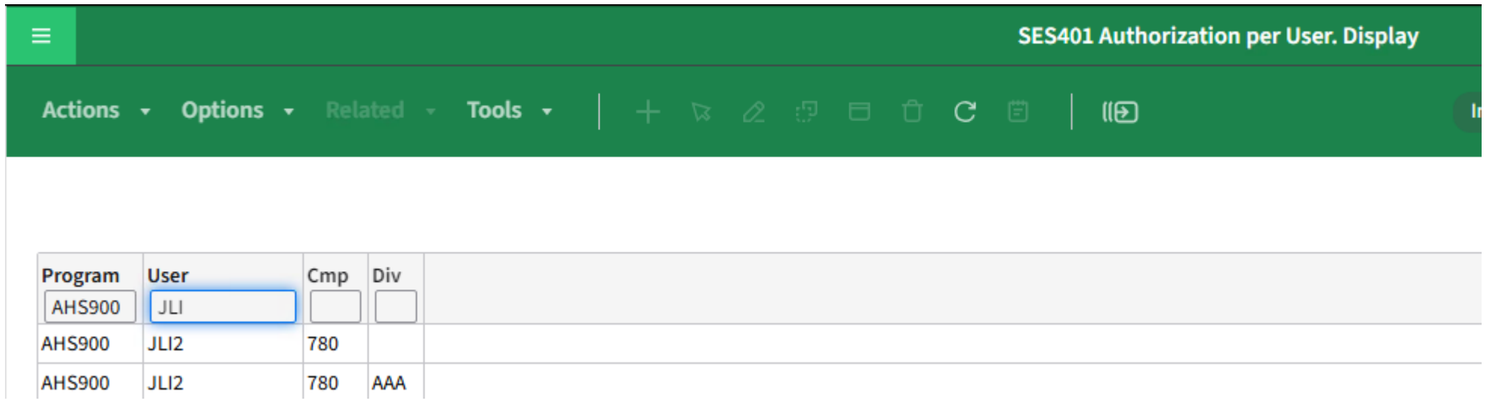
M3 Role Based Function security – Function/User



- Contains the authority result from the auto job SES900 per user.
- Performance reasons but also easier to understand.

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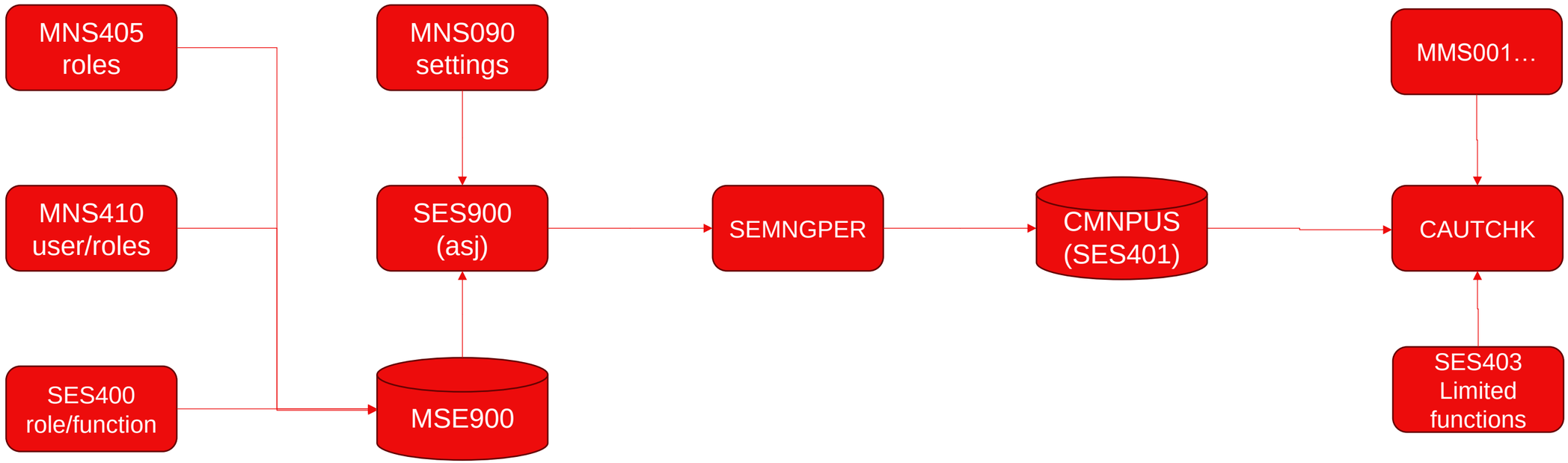
M3 Role Based Function security - Overview



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M3 Role based API security

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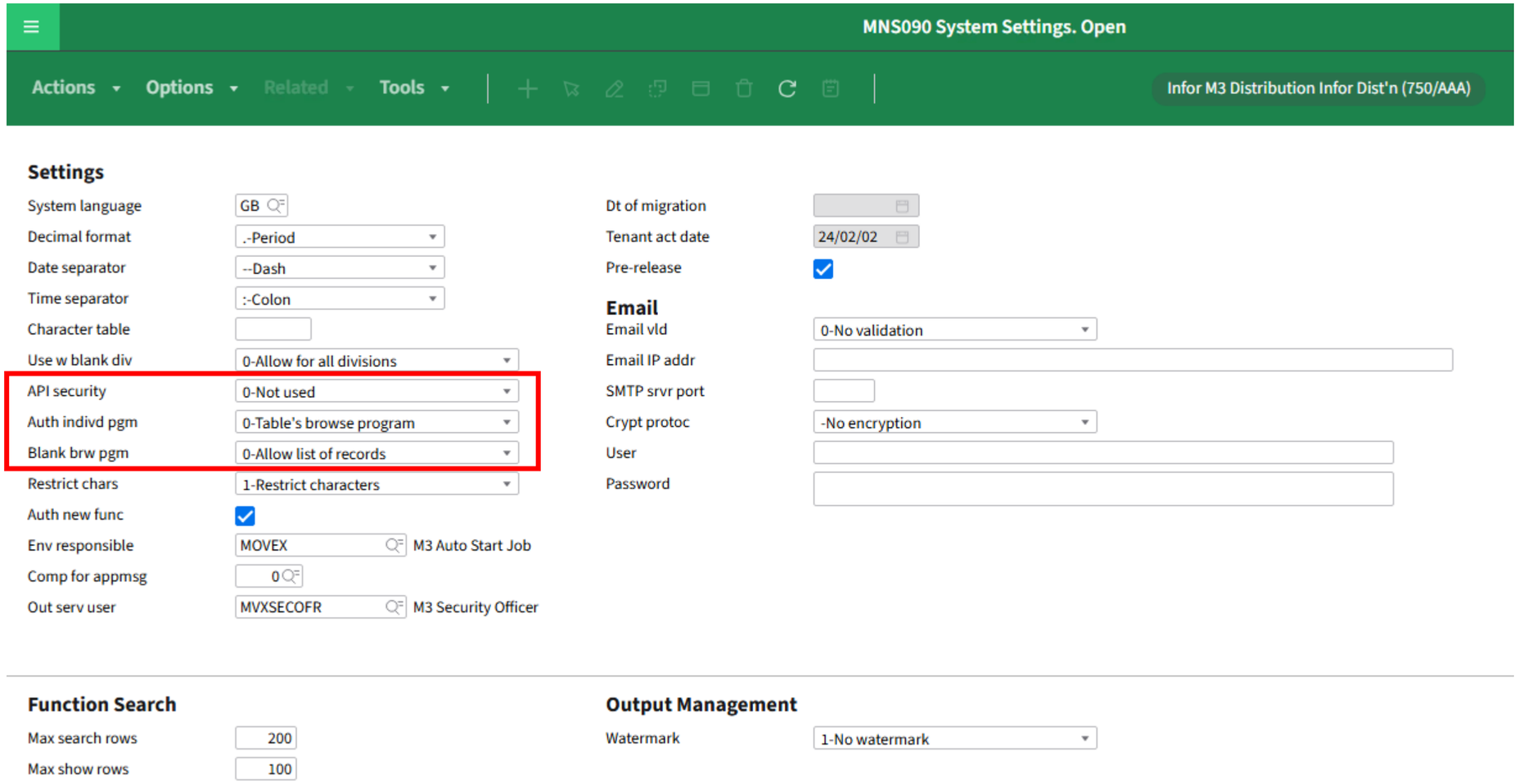
M3 Role Based API security – General settings



- API security – security on API's?
- Auth individ pgm's – security on individual CSYTAB programs?
- Blank brw pgm – Blank browse program in MNS120 = authorized or not?

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CMS100MI, EXPORTMI, MDBREADMI

- Checks authorization via Browse program in MNS120.
- For CSYTAB you can define which MNS120 record to be used i.e. the one for CSYTAB or for each individual program.

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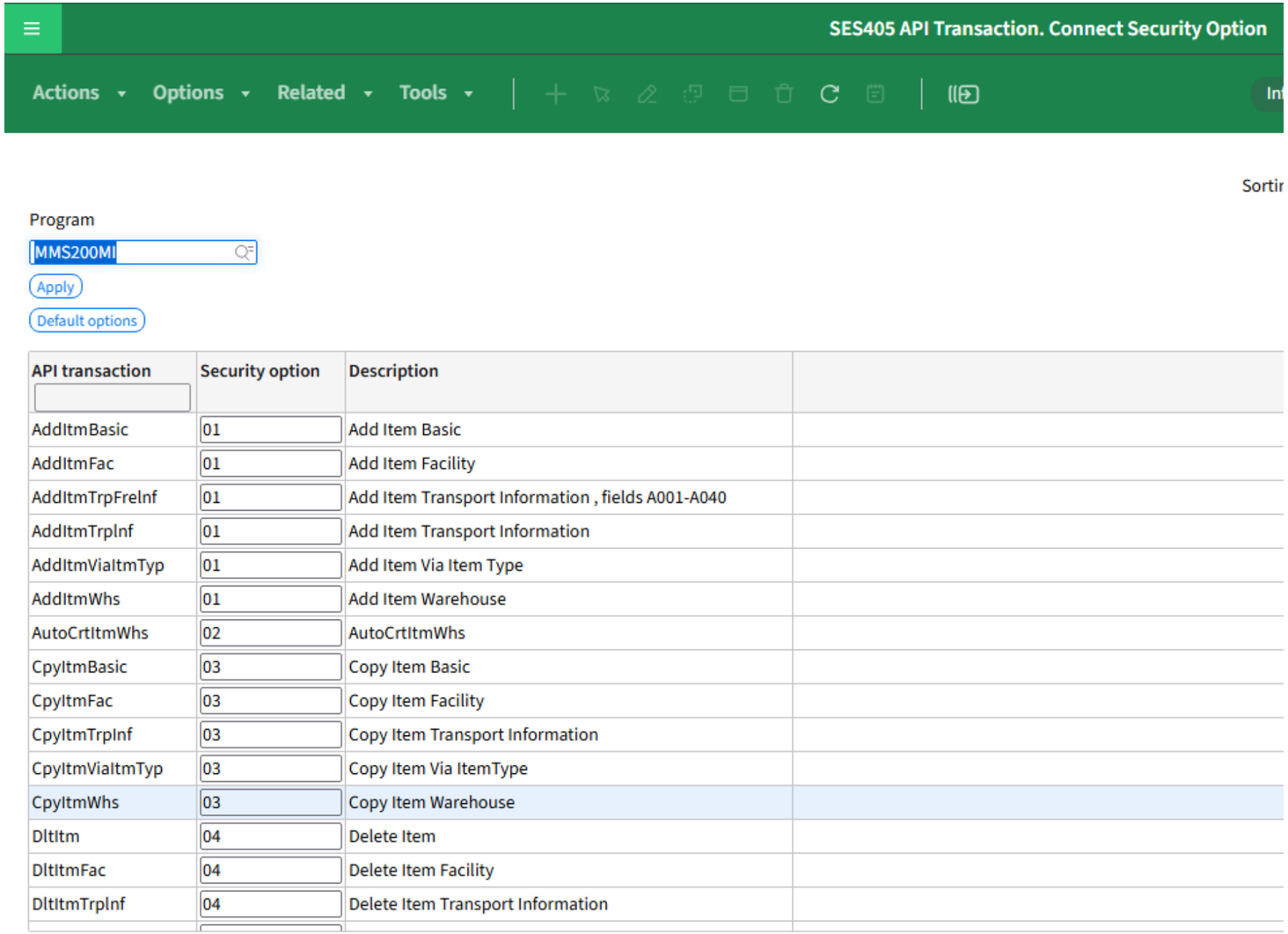
M3 Role Based API security – API transaction/option



- Connects your API transaction to an option.
- F18 generate all std API transactions with a best guess option
- Option 00 or ** = Always allowed

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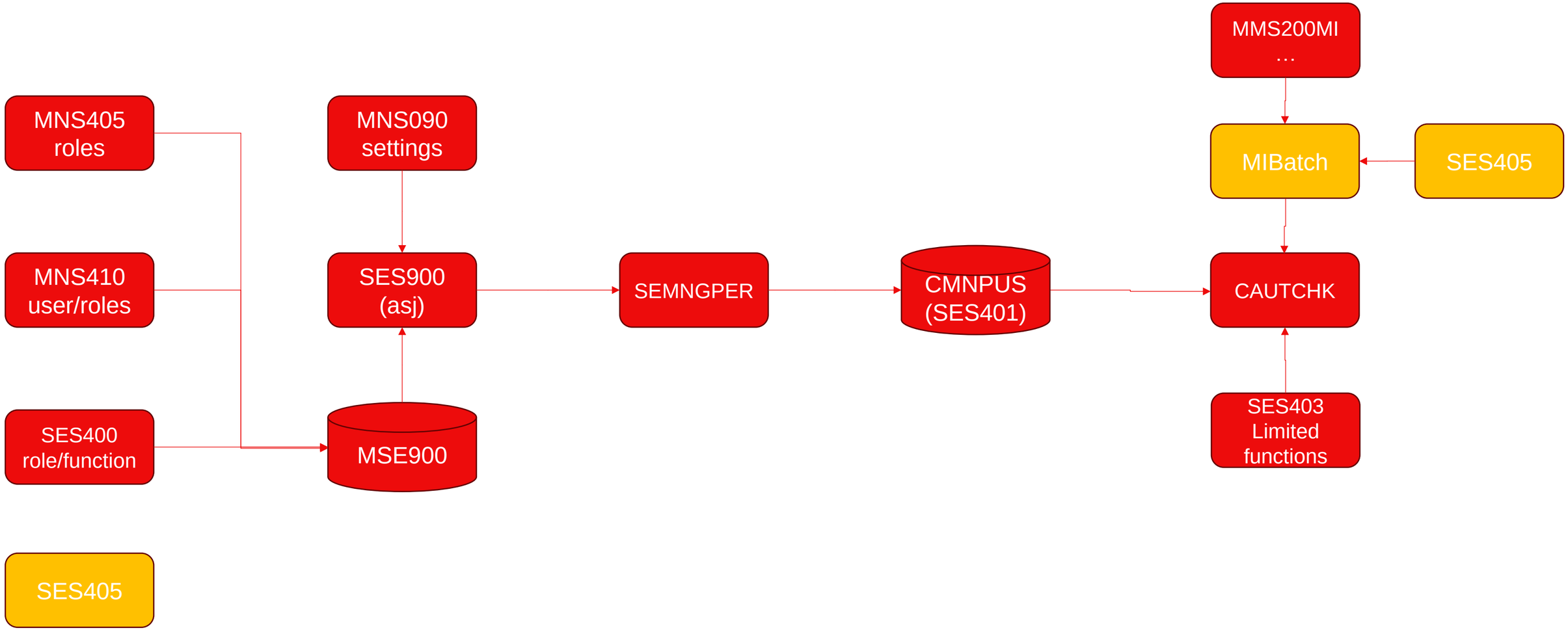
M3 Role Based API security - Overview



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M3 Role Based Security

M3 Security audit

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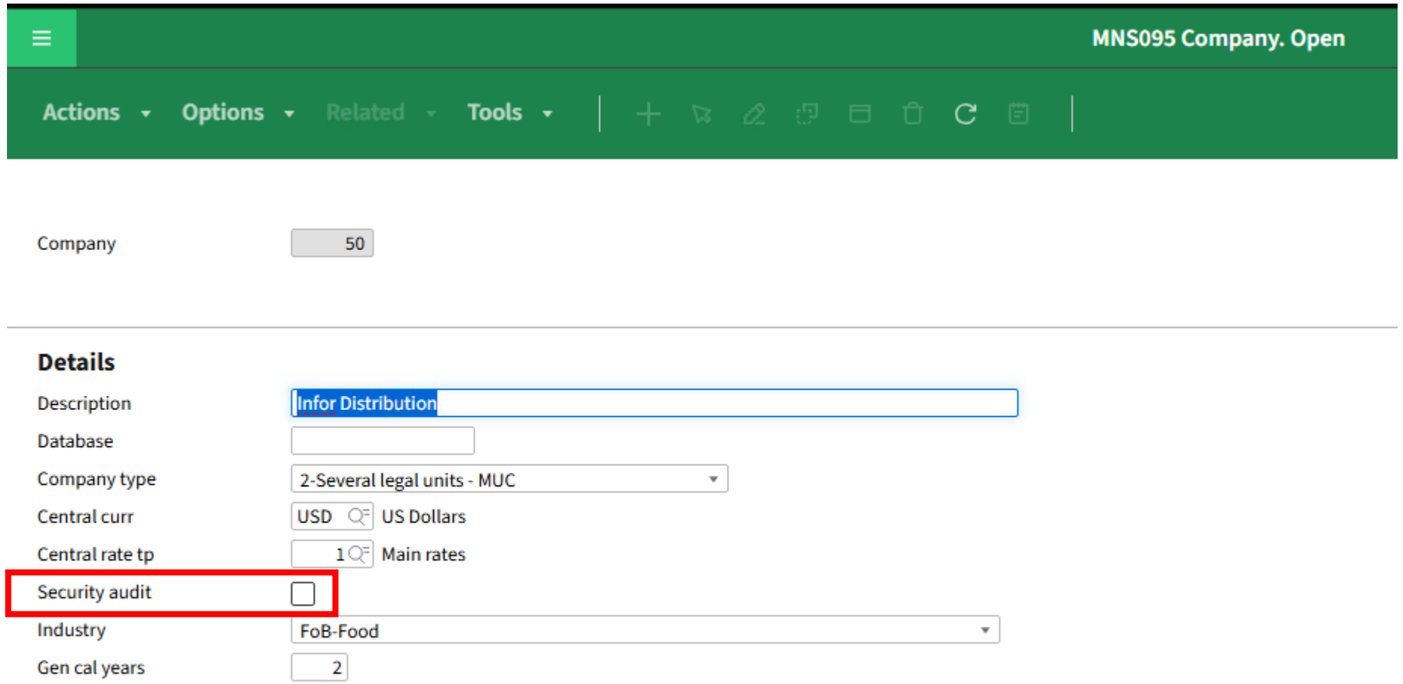
M3 Role Based security – Security audit



- The usage of the security audit functionality is controlled via MNS095 “Company”.
- Why not using FAT?
  FAT gives you a way to log the changes to the set-up, but security audit logs the impact that a set-up change has on the authority.

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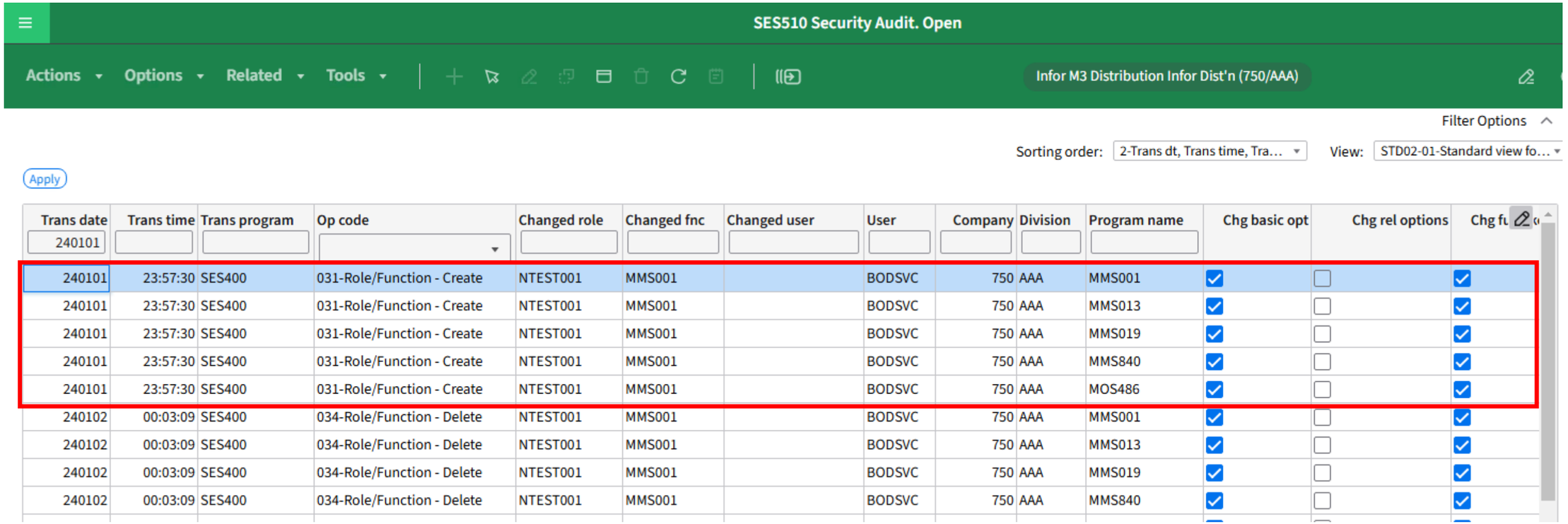
M3 Role Based security – Security audit



Trans date	Trans time	Trans program	Op code	Changed role	Changed fnc	Changed user	User	Company	Division	Program name	Chg basic opt	Chg rel options	Chg fu
240101													
240101	23:57:30	SES400	031-Role/Function - Create	NTEST001	MMS001		BODSVC	750	AAA	MMS001	☑	☐	☑
240101	23:57:30	SES400	031-Role/Function - Create	NTEST001	MMS001		BODSVC	750	AAA	MMS013	☑	☐	☑
240101	23:57:30	SES400	031-Role/Function - Create	NTEST001	MMS001		BODSVC	750	AAA	MMS019	☑	☐	☑
240101	23:57:30	SES400	031-Role/Function - Create	NTEST001	MMS001		BODSVC	750	AAA	MMS840	☑	☐	☑
240101	23:57:30	SES400	031-Role/Function - Create	NTEST001	MMS001		BODSVC	750	AAA	MOS486	☑	☐	☑
240102	00:03:09	SES400	034-Role/Function - Delete	NTEST001	MMS001		BODSVC	750	AAA	MMS001	☑	☐	☑
240102	00:03:09	SES400	034-Role/Function - Delete	NTEST001	MMS001		BODSVC	750	AAA	MMS013	☑	☐	☑
240102	00:03:09	SES400	034-Role/Function - Delete	NTEST001	MMS001		BODSVC	750	AAA	MMS019	☑	☐	☑
240102	00:03:09	SES400	034-Role/Function - Delete	NTEST001	MMS001		BODSVC	750	AAA	MMS840	☑	☐	☑

- Several views, here you can e.g. see which programs was changed, what was changed, what was the effect etc.

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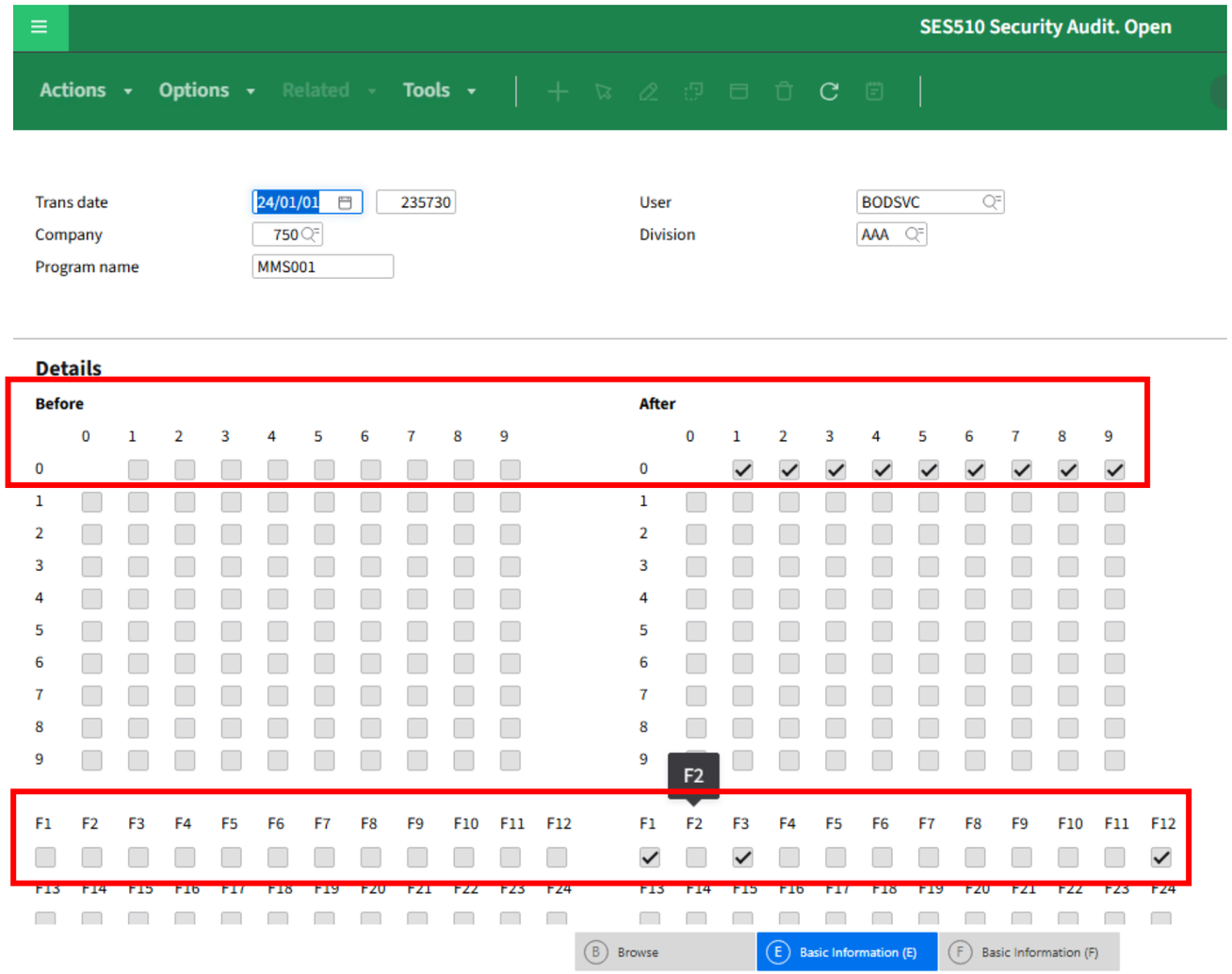
M3 Role Based security – Security audit



- Details of the effect it had on the authorization.

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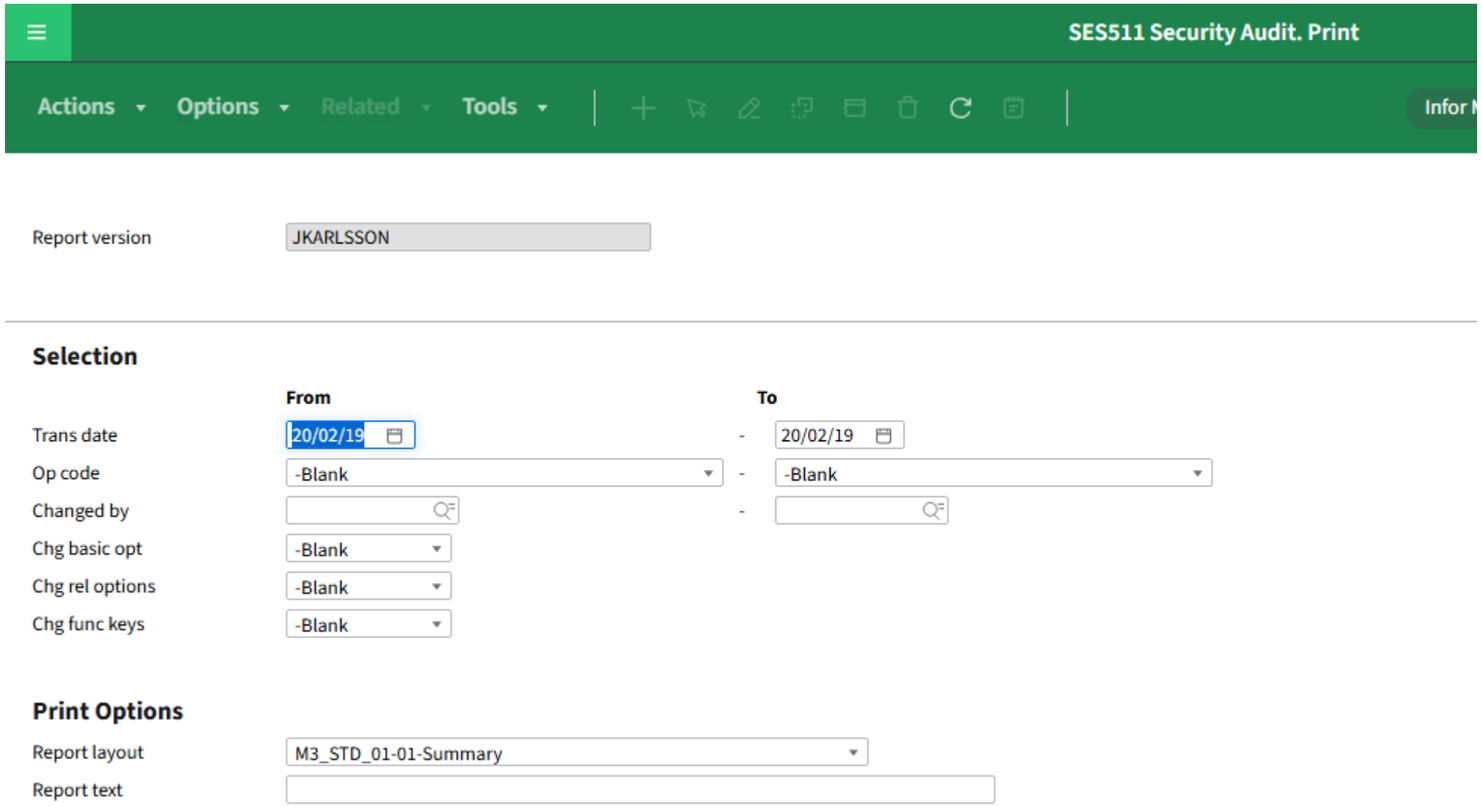
M3 Role Based security – Security audit



- Possible to print the result.

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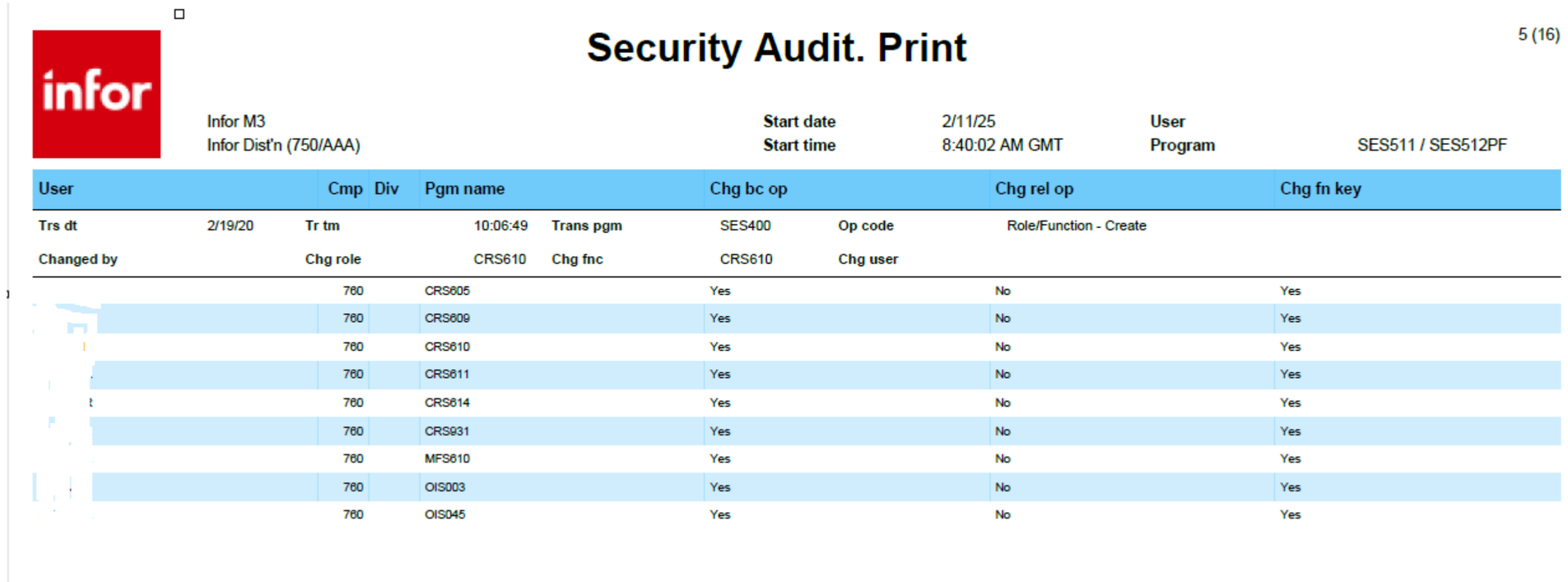
M3 Role Based security – Security audit



Security Audit. Print

5 (16)

Infor M3
Infor Dist'n (750/AAA)

Start date 2/11/25 **User**
Start time 8:40:02 AM GMT **Program** SES511 / SES512PF

User	Cmp	Div	Pgm name	Chg bc op	Chg rel op	Chg fn key
Trs dt 2/19/20	**Tr tm** 10:06:49		**Trans pgm** SES400	**Op code** Role/Function - Create		
Changed by	**Chg role** CRS610		**Chg fnc** CRS610	**Chg user**		
	760		CRS605	Yes	No	Yes
	760		CRS609	Yes	No	Yes
	760		CRS610	Yes	No	Yes
	760		CRS611	Yes	No	Yes
	760		CRS614	Yes	No	Yes
	760		CRS931	Yes	No	Yes
	760		MFS610	Yes	No	Yes
	760		OIS003	Yes	No	Yes
	760		OIS045	Yes	No	Yes

- Note, I've removed some user id's.

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