

Maintenance Manager

Release Notes v4.6.0.0 Fix

Introduction

This document defines the changes made to the Maintenance Manager product for the v4.6.0.0 fix 2 and is specifically targeted at end users.

After reading through this document, should you have any further training or consultancy requirements then please contact your Bentley account manager.

Fix Details

Baseline Release	4.6.0.0
Fix Description	Maintenance Manager has been updated to have additional row-level security administered through a new package.
Prerequisites	Maintenance Manager must be at version 4.6.0.0
Implementation Instructions	Unzip mai_4600_fix2.zip into a staging folder. Log onto SQL*Plus as the Highways Owner with the staging folder as the working directory. At the prompt type START mai_4600_fix2.sql and press return. Exit SQL*Plus
Limitations	
Configuration Information	None
How To Test	Recommend full regression test
Rollback Strategy	Initially implement on a test environment

List of Amended Files

Filename	Version
maiausec.pkh	1.0
maiausec.pkw	1.0
add_maiausec_policy.sql	1.0
drop_maiausec_policy.sql	1.0
get_admin_unit.fnw	1.0

The fix imposes fine-grained access control on a number of tables within the MAI database. The package supporting this security method is created along with synonyms as required. The policies are then applied. This will provide row-level access to a number of tables governed by the default admin-unit of the user and admin units stored or derived from data in the table. The affected tables are listed below with the predicates that are applied.

ACTIVITIES_REPORT	exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = get_admin_unit(ARE_RSE_HE_ID))
BUDGETS	exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = (select nau_admin_unit from nm_admin_units where nau_authority_code = BUD_AGENCY))

DEFECTS	exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = get_admin_unit(DEF_RSE_HE_ID))
DEF_SUPERSEDING_RULES	exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = DSR_ADMIN_UNIT)
DELETED_DEFECTS	exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = get_admin_unit(DLD_RSE_HE_ID))
DOCS	exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = DOC_ADMIN_UNIT)
DOC_REDIRECTION_LOG	exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = DRL_DOC_ADMIN_UNIT)
EXT_ACT_ROAD_USAGE	exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = get_admin_unit(EXU_RSE_HE_ID))
HIG_FTP_CONNECTIONS	exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = HFC_NAU_ADMIN_UNIT)
HIG_PROCESS_ALERT_LOG	exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = HPAL_ADMIN_UNIT)
IFF_SECT_STACK	exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = get_admin_unit(ISS_RSE_HE_ID))
IHMS_ALLOCATED_AMTS	exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = get_admin_unit(IHA_RSE_HE_ID))
INSURANCE_CLAIM_PARAMETERS	exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = get_admin_unit(ICP_RSE_HE_ID))
ITEM_CODE_BREAKDOWNS	exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = (select nau_admin_unit from nm_admin_units where nau_authority_code = ICB_AGENCY_CODE))

LOCAL_FREQS	exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = get_admin_unit(LFR_RSE_HE_ID))
MAI2325_RESULTS	exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = get_admin_unit(MAI2325_RSE_HE_ID))
MAI_AUTO_WO_RULES	exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = MAWR_ADMIN_UNIT)
MAI_INSP_LOAD_ERROR_ARE	exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = get_admin_unit(ARE_RSE_HE_ID))
MAI_INSP_LOAD_ERROR_DEF	exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = get_admin_unit(DEF_RSE_HE_ID))
MAI_INSP_LOAD_ERROR REP	exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = get_admin_unit(REP_RSE_HE_ID))
MV_TMA_STREETS_ALL	exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = STR_NE_ADMIN_UNIT)
NM3_SECTOR_GROUPS	exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = SEC_ADMIN_UNIT)
NM_ADMIN_EXTENTS	exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = NAE_ADMIN_UNIT)
NM_ADMIN_UNITS_ALL	exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = NAU_ADMIN_UNIT)
NM_USER_AUS_ALL	exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = NUA_ADMIN_UNIT)
ORG_UNITS	exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = oun_admin_org_id) OR exists (select 1 from contracts where oun_org_id = con_contr_org_id)

PBI_QUERY	<pre>exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = (select nau_admin_unit from nm_admin_units where nau_authority_code = QRY_AGENCY))</pre>
REPAIRS	<pre>exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = get_admin_unit(REP_RSE_HE_ID))</pre>
SCHEDULES	<pre>exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = (select nau_admin_unit from nm_admin_units where nau_authority_code = SCHD_AGENCY))</pre>
SCHEDULE_ROADS	<pre>exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = get_admin_unit(SCHR_RSE_HE_ID))</pre>
SCHEMES	<pre>exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = ADMIN_UNIT_ORG_ID)</pre>
SCHEME_ROADS	<pre>exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = get_admin_unit(RSE_HE_ID))</pre>
SECTION_FREQS	<pre>exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = get_admin_unit(SFR_RSE_HE_ID))</pre>
SECT_FREQ1	<pre>exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = get_admin_unit(TT1_RSE_HE_ID))</pre>
SECT_FREQ2	<pre>exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = get_admin_unit(TT2_RSE_HE_ID))</pre>
STP_SCHEMES	<pre>exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = SS_ADMIN_UNIT2)</pre>
STP_SCHEMES	<pre>exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = SS_ADMIN_UNIT1)</pre>
STP_SCHEME_JOB_DATA_INV	<pre>exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = IIT_ADMIN_UNIT)</pre>

WORK_ORDER_LINES	exists (SELECT 1 FROM HIG_ADMIN_GROUPS WHERE HAG_PARENT_ADMIN_UNIT = Sys_Context('NM3CORE','USER_ADMIN_UNIT') AND HAG_CHILD_ADMIN_UNIT = get_admin_unit(WOL_RSE_HE_ID))
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Log No. Summary

This chapter summarises all software changes that have been made in this release.

These changes are derived from the following sources,

- Issues raised by Customers via Exor Support
- Issues raised internally by Exor

Issues

Internal Task ID	Issue	Support Log(s)
	Maintenance Manager has no security on many of the data tables.	