AssetWORKS

Archiver

Batch Process Guide

Technical Support

AssetWorks provides several ways to connect with the Customer Support team. Be prepared to provide detailed information to the representative. If you are reporting an issue by email, include screen shots of your problem. This will provide the Customer Support representative with the information needed to respond quickly and effectively.

Customer Support is available Monday through Friday, 7:00 a.m. to 7:00 p.m., Eastern Time.

Telephone: 1-610-225-8300

Email: M5Support@AssetWorks.com

Website: Community.AssetWorks.com

The support website can be used to open issues, subscribe to user groups and download documentation, as well as to access the latest AssetWorks news. For secure access to the website, contact Customer Support by calling the number above.

Archiver - Batch Process Guide

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Overview

The Archiver batch process moves and stores older data that no longer needs to be readily available in active M5 tables. The program moves the data from various tables based on the type of transaction. M5 provides the ability to archive eight types of data transactions.

1. Fuel Transaction Detail

2. Indirect Account Detail

3. Parts Detail

4. Replacement Fund

5. Telematics

6. Unit Availability Detail

7. Unit Detail

8. Work Order Detail

Tables and selection criteria for each transaction are listed below.

- The program writes the selected data to an archive table that is not available for viewing in the M5 application.

1. Fuel Transaction Detail

ARC_TYPE	TABLE_NAME	WHERE_CLAUSE
FUELDETAIL	F_COMM_PROD_CHG	(company=#COMPANY# and int_issue_dt ! = 0 and int_issue_dt <= #ARCHIVEDATE#)
FUELDETAIL	F_TRANS_LOG	(company=#COMPANY# and xaction_date is not NULL and xaction_date <= #ARCHIVEDATE#)
FUELDETAIL	F_UNIT_PROD_CHG	(company=#COMPANY# and int_issue_dt != 0 and int_issue_dt <= #ARCHIVEDATE#)
FUELDETAIL	FUEL_TAX_TRANS	(company=#COMPANY# and trans_dt is not NULL and trans_dt <= #ARCHIVEDATE#)

2. Indirect Account Detail

ARC_TYPE	TABLE_NAME	WHERE_CLAUSE
INDACCDETAIL	ACC_COMM_CHG	(company=#COMPANY# and int_issue_dt != 0 and int_issue_dt <= #ARCHIVEDATE#)
INDACCDETAIL	ACC_LAB_CHG	(company=#COMPANY# and int_issue_dt != 0 and int_issue_dt <= #ARCHIVEDATE#)
INDACCDETAIL	ACC_PART_CHG	(company=#COMPANY# and int_issue_dt != 0 and int_issue_dt <= #ARCHIVEDATE#)
INDACCDETAIL	F_ACC_COMM_PROD_CHG	(company=#COMPANY# and int_issue_dt != 0 and int_issue_dt <= #ARCHIVEDATE#)
INDACCDETAIL	F_ACC_PROD_CHG	(company=#COMPANY# and int_issue_dt != 0 and int_issue_dt <= #ARCHIVEDATE#)

3. Parts Detail

ARC_TYPE	TABLE_NAME	WHERE_CLAUSE
PARTDETAIL	PART_HIST	(company=#COMPANY# and fisc_pd <= (select fisc_pd from calendar_days where cal_date = #ARCHIVEDATE#))
PARTDETAIL	PART_ORDERS	company=#COMPANY# and po_id in (select po_id from mfive.PART_PO where company=#COMPANY# and lt_status_dt IS NOT NULL and lt_status_dt <= #ARCHIVEDATE#)
PARTDETAIL	PO_NOTES	company=#COMPANY# and po_id in (select po_id from mfive.PART_PO where company=#COMPANY# and lt_status_dt IS NOT NULL and lt_status_dt <= #ARCHIVEDATE#)
PARTDETAIL	PART_PO	(company=#COMPANY# and lt_status_dt IS NOT NULL and lt_status_dt <= #ARCHIVEDATE#)
PARTDETAIL	PART_PI_CNT	company=#COMPANY# and pi_id in (select pi_id from mfive.PART_PI where company=#COMPANY# and pi_dt IS NOT NULL and pi_dt <= #ARCHIVEDATE#)
PARTDETAIL	PART_PI_SEL	company=#COMPANY# and pi_id in (select pi_id from mfive.PART_PI where company=#COMPANY# and pi_dt IS NOT NULL and pi_dt <= #ARCHIVEDATE#)
PARTDETAIL	PART_PI	(company=#COMPANY# and pi_dt IS NOT NULL and pi_dt <= #ARCHIVEDATE#)
PARTDETAIL	PART_TFR	(company=#COMPANY# and status_dt IS NOT NULL and status_dt <= #ARCHIVEDATE#)
PARTDETAIL	PO_CONTRACT_BOND	company=#COMPANY# and contract_no in (select contract_no from mfive.po_contract where company=#COMPANY# and end_dt IS NOT NULL and end_dt <= #ARCHIVEDATE#)
PARTDETAIL	PO_CONTRACT_DESC	company=#COMPANY# and contract_no in (select contract_no from mfive.po_contract where company=#COMPANY# and end_dt IS NOT NULL and end_dt <= #ARCHIVEDATE#)
PARTDETAIL	PO_CONTRACT_I	company=#COMPANY# and contract_no in (select contract_no from mfive.po_contract where company=#COMPANY# and end_dt IS NOT NULL and end_dt <= #ARCHIVEDATE#)
PARTDETAIL	PO_CONTRACT_NOTE	company=#COMPANY# and note_key in (select contract_no from mfive.PO_CONTRACT where company=#COMPANY# and end_dt IS NOT NULL and end_dt <= #ARCHIVEDATE#)
PARTDETAIL	CONTRACT_ITEM	company=#COMPANY# and contract_no in (select contract_no from mfive.PO_CONTRACT where company=#COMPANY# and end_dt IS NOT NULL and end_dt <= #ARCHIVEDATE#)

PARTDETAIL	F_PROD_ORDER	company=#COMPANY# and po_no in (select po_no from f_prod_order_header b where b.company=#COMPANY# and b.contract_no in (select contract_no from po_contract c where c.company=#COMPANY# and c.end_dt is not null and c.end_dt <= #ARCHIVEDATE#))
PARTDETAIL	F_PROD_ORDER_HEADER	company=#COMPANY# and contract_no in (select contract_no from mfive.PO_CONTRACT where company=#COMPANY# and end_dt is not null and end_dt <= #ARCHIVEDATE#)
PARTDETAIL	PO_CONTRACT	(company=#COMPANY# and end_dt IS NOT NULL and end_dt <= #ARCHIVEDATE# and contract_no not in (select contract_no from part_orders where company = #COMPANY#))
PARTDETAIL	O_PART_CHG	company=#COMPANY# and wo_no in (select wo_no from mfive.O_WO where w.company=#COMPANY# and w.close_dt is not NULL and w.close_dt <= #ARCHIVEDATE#)
PARTDETAIL	PART_JNL	(company=#COMPANY# and int_trans_dt != 0 and int_trans_dt <= #ARCHIVEDATE#) and part_jnl_id NOT IN (select o.part_jnl_id from o_part_chg o where o.company=#COMPANY# union all select o2.r_part_jnl_id from o_part_chg o2 where o2.company=#COMPANY#)

4. Replacement Fund

Data from two tables is displayed on the Unit Replacement Fund Manager frame. Those tables are REPLFUND_TRANS AND REPLACE_FUND. REPLFUND_TRANS contains individual contribution and withdrawal records, which are displayed on the frame's History tab. REPLACE_FUND contains the replacement fund code and account balance. The data from REPLACE_FUND appears on the Detail tab.

When running the archiver, the records from REPLFUND_TRANS will be archived and records from REPLACE_FUND will not. This means that individual transaction records will be removed from the History tab but the replacement funds' main records will still exist and balances will still be available on the Detail tab along with the total contributions and withdrawals for the current period, current year, and previous year.

5. Telematics

ARC_TYPE	TABLE_NAME	WHERE_CLAUSE
TELEMATICS	TM_READINGS	(company=#COMPANY# and reading_dt is not null and reading_dt <= #ARCHIVEDATE#)
TELEMATICS	TM_ALERTS	(company=#COMPANY# and read_wo_no is null and read_work_req_no is null and read_dt is not null and read_dt <= #ARCHIVEDATE#)
TELEMATICS	TM_MESSAGES	(company=#COMPANY# and tm_message_id not in (select start_tm_message_id from tm_alerts) and tm_message_id not in (select last_tm_message_id from tm_alerts) and tm_message_id not in (select tm_message_id from tm_readings))

6. Unit Availability Detail

ARC_TYPE	TABLE_NAME	WHERE_CLAUSE
AVAILDETAIL	OPER_STATUS_HIST	(company=#COMPANY# and eff_dt < (select max(eff_dt) from mfive.oper_status_hist a where disposition_cd = '1' and oper_status_hist.unit_id = a.unit_id)) and (eff_dt <= #ARCHIVEDATE#)
AVAILDETAIL	OPER_REQUIRE_HIST	(company=#COMPANY# and eff_dt not in (select max(eff_dt) from mfive.oper_require_hist a where oper_require_hist.oper_entity = a.oper_entity and oper_require_hist.oper_class = a.oper_class and oper_require_hist.line = a.line)) and (eff_dt <= #ARCHIVEDATE#)

7. Unit Detail

ARC_TYPE	TABLE_NAME	WHERE_CLAUSE
UNITDETAIL	BILL_ADJUST	(company=#COMPANY# and int_eff_dt != 0 and int_eff_dt <= #ARCHIVEDATE#)
UNITDETAIL	F_COMM_PROD_CHG	(company=#COMPANY# and int_issue_dt != 0 and int_issue_dt <= #ARCHIVEDATE#)
UNITDETAIL	F_TRANS_LOG	(company=#COMPANY# and xaction_date IS NOT NULL and xaction_date <= #ARCHIVEDATE#)
UNITDETAIL	F_UNIT_PROD_CHG	(company=#COMPANY# and int_issue_dt != 0 and int_issue_dt <= #ARCHIVEDATE#)
UNITDETAIL	FUEL_TAX_TRANS	(company=#COMPANY# and trans_dt IS NOT NULL and trans_dt <= #ARCHIVEDATE#)
UNITDETAIL	MPOOL	(company=#COMPANY# and int_return_dt != 0 and int_return_dt <= #ARCHIVEDATE#)
UNITDETAIL	UNIT_DOWNTIME_DETAIL	company=#COMPANY# and downtime_id in (select downtime_id from mfive.UNIT_DOWNTIME where company=#COMPANY# and end_dt IS NOT NULL and end_dt <= #ARCHIVEDATE#)

8. Work Order Detail

ARC_TYPE	TABLE_NAME	WHERE_CLAUSE
WODETAIL	O_COMM_CHG	company=#COMPANY# and wo_no in (select wo_no from mfive.O_WO w where w.company=#COMPANY# and w.close_dt is not NULL and w.close_dt <= #ARCHIVEDATE#)
WODETAIL	O_PART_CHG	company=#COMPANY# and wo_no in (select wo_no from mfive.O_WO w where w.company=#COMPANY# and w.close_dt is not NULL and w.close_dt <= #ARCHIVEDATE#)
WODETAIL	O_LABOR_CHG	company=#COMPANY# and wo_no in (select wo_no from mfive.O_WO w where w.company=#COMPANY# and w.close_dt is not NULL and w.close_dt <= #ARCHIVEDATE#)
WODETAIL	O_NOTE	company=#COMPANY# and wo_no in (select wo_no from mfive.O_WO w where w.company=#COMPANY# and w.close_dt is not NULL and w.close_dt <= #ARCHIVEDATE#)

9. Executing the Archiver Process

Navigate to the Batch Process Manager frame and select Archiver from the dropdown menu.

Run Archiver Section

1. Enter the Date/Time to start the batch process.

2. Enter the through date for which the program will archive data.

3. Enter the database user.

   - For Oracle clients the database user archives all companies within the database. For example, if your organization has two companies, both are archived.

   - For SQL Server clients, it is recommended to run this batch process through mfiveapp database user.

4. Enter the database user's password.

5. The Look Back Value, Look Back Term, and Unit Type are locked fields used in a separate batch process called Sold Units Archive. They are not editable.

List of Archive Types & Schedule Details

6. Select the checkbox in the Do this archive column to select the type or types of data to archive during the batch process execution. You can select multiple options.

7. Select the Run Interval. Options are once, minutes, hours, days, months. You can select the exclude weekends and holidays checkbox.

8. Select Schedule/Reschedule to schedule the batch process.

9. You can view the current execution schedule on the i-frame.

Updates

Release	Section	Description
23.2	All sections	Applied miscellaneous writing style updates throughout the document.