Oracle® Retail Merchandising Cloud Services

Batch Schedule

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March 2023

Oracle Retail Merchandising Cloud Services Batch Schedule, Release 23.0.101.0

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Preface

This batch schedule document details the integrated cyclical processing schedules for the Oracle Retail Merchandising applications:

- Oracle Retail Merchandising System (RMS)
- Oracle Retail Invoice Matching (ReIM)
- Oracle Retail Pricing
- Oracle Retail Sales Audit (ReSA)
- Oracle Retail Allocation
- Oracle Retail Data Extractor (RDE)

This guide describes the periodic and ad hoc phases of batch processing, as well as pre- and post-processing dependencies.

Audience

The audiences for this guide are as follows:

- Systems analysts and system operations personnel who need information about Merchandising processes, internally or in relation to systems across the enterprise
- Integrators and implementation staff who have the overall responsibility for implementing the Merchandising applications in their enterprise

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- Exact error message received
- Screen shots of each step you take

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Oracle Retail Product documentation is available on the following website https://docs.oracle.com/en/industries/retail/html

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Oracle Retail Cloud Services and Business Agility

Oracle Retail Merchandising Cloud Services is hosted in the Oracle Cloud with the security features inherent to Oracle technology and a robust data center classification, providing significant uptime. The Oracle Cloud team is responsible for installing, monitoring, patching, and upgrading retail software.

Included in the service is continuous technical support, access to software feature enhancements, hardware upgrades, and disaster recovery. The Cloud Service model helps to free customer IT resources from the need to perform these tasks, giving retailers greater business agility to respond to changing technologies and to perform more value-added tasks focused on business processes and innovation.

Oracle Retail Software Cloud Service is acquired exclusively through a subscription service (SaaS) model. This shifts funding from a capital investment in software to an operational expense. Subscription-based pricing for retail applications offers flexibility and cost effectiveness.

1

Introduction to Merchandising Batch Processing

This chapter is a brief introduction to Oracle Retail batch processing. It defines basic terms and concepts.

Batch Processing

Batch processing is the execution of a group of batch programs (jobs). The results are returned without user intervention. Batch programs are commonly used for the following reasons:

- To process large volumes of transaction data
- To interface with external systems
- To perform internal maintenance

Batch programs can process very large quantities of data quickly and efficiently. Batch programs can perform some updates that could be performed through online transactions, but much more quickly and with less impact on system performance. Batch processing is usually scheduled for times when systems are idle or least busy.

Batch programs can be run automatically using batch scheduler software. The batch scheduler allows batch jobs to be set up in a specific order, with restrictions attached to any program as needed. If an error occurs with a batch program, an administrator must correct the error and manually rerun the batch program that failed.

Types of Batch Programs

Oracle Retail batch programs are of several types:

- Upload programs bring data from external systems into the Oracle Retail database. For example, the sales upload program uploads daily transactions that occur at the point of sale (POS) for processing by the Oracle Retail Management System (RMS).
- Download programs extract data from RMS and format it so it can be used by external systems. For example, the posdnld program extracts new and changed information about an item/location for downloading to the point of sale.
- System maintenance programs perform tasks such as updating the system date. For example, the dtesys program increments the system date at the end of each batch cycle.
- Functional maintenance programs process data specific to a functional area. For example, the mrt.pc program creates individual transfers for an approved Mass Return Transfer.

Batch Window

Because of the impact on production systems, it is not always possible to run batch programs during business hours; however, there is a window of opportunity during each day or night when online systems are not being used. This time frame is the batch window. For example, a retailer with stores throughout the continental U.S. might require its online systems to be available from 8 AM Eastern Standard Time, when its East Coast offices open, until 9 PM Pacific Standard Time, when its West Coast stores close. This allows an eight-hour batch window for processing all batch jobs.

Batch Schedule

Order is critical when running batch programs. Some tasks need to be performed before others. A batch schedule ensures that every time batch processing is performed, the correct tasks are performed in the proper order.

For each individual user, the schedule is a suggested starting point for the installation. Some programs are specific to products that may not be installed, so these programs may not be used at all.

Merchandising Batch Schedule

The integrated Merchandising batch schedule combines the batch schedules of all Merchandising applications.

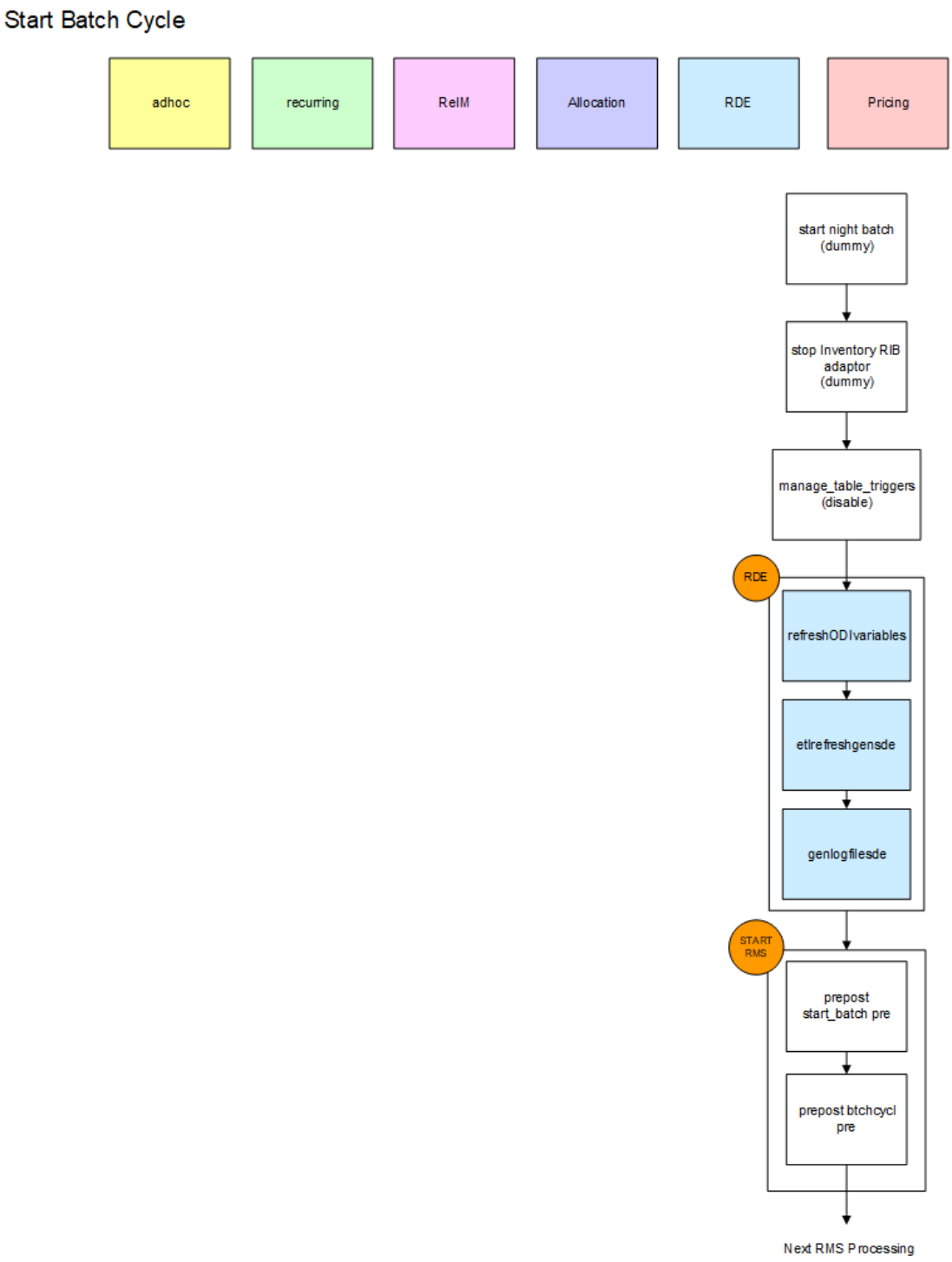
The integrated Merchandising batch schedule combines the batch modules for the following applications:

- Oracle Retail Merchandising
- Oracle Retail Trade Management
- Oracle Retail Sales Audit
- Oracle Retail Invoice Matching
- Oracle Retail Pricing
- Oracle Retail Allocation
- Oracle Retail Data Extractor (RDE)

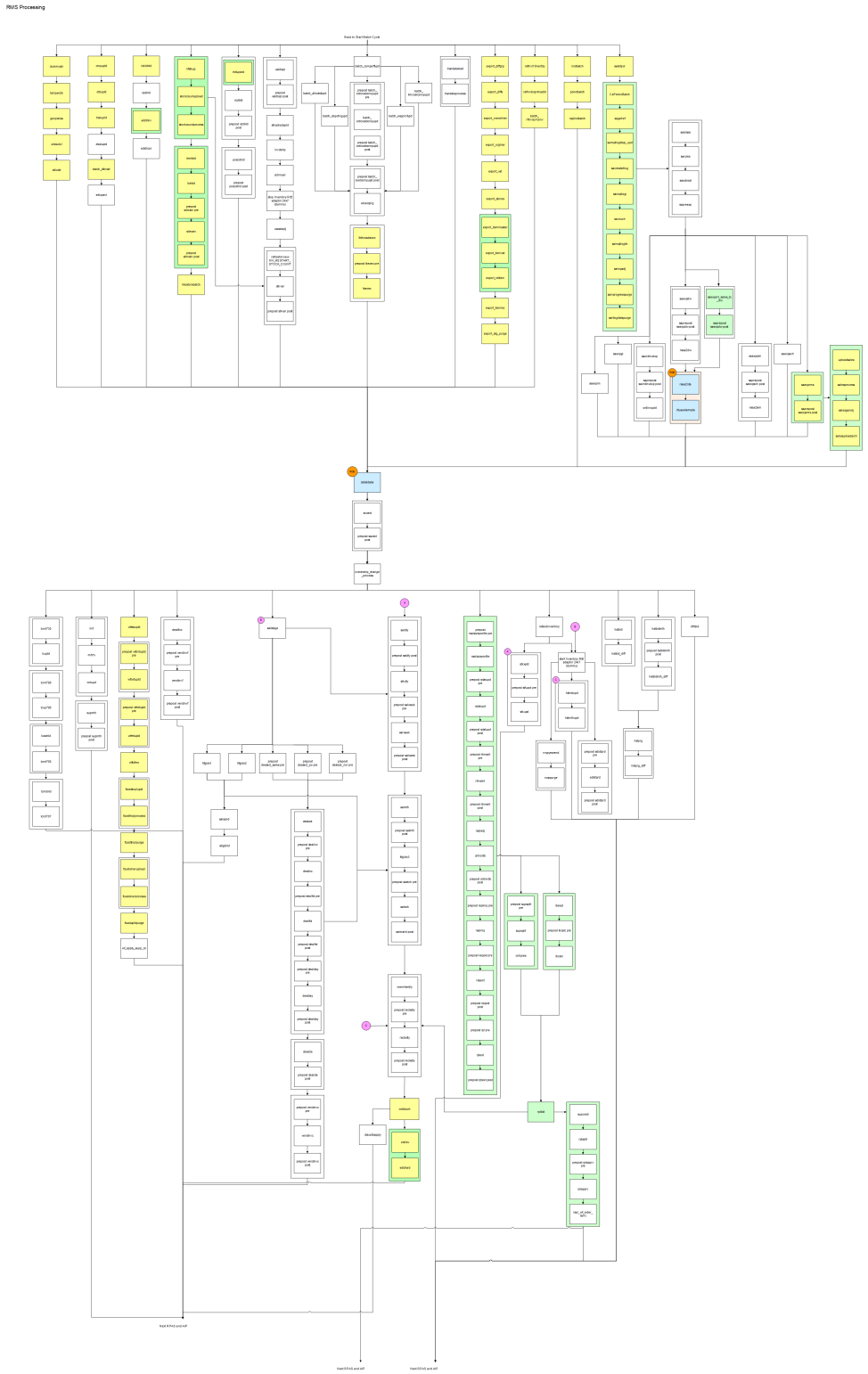
Batch Schedule Diagrams

View the whole Batch Schedule below.

Start Batch Cycle

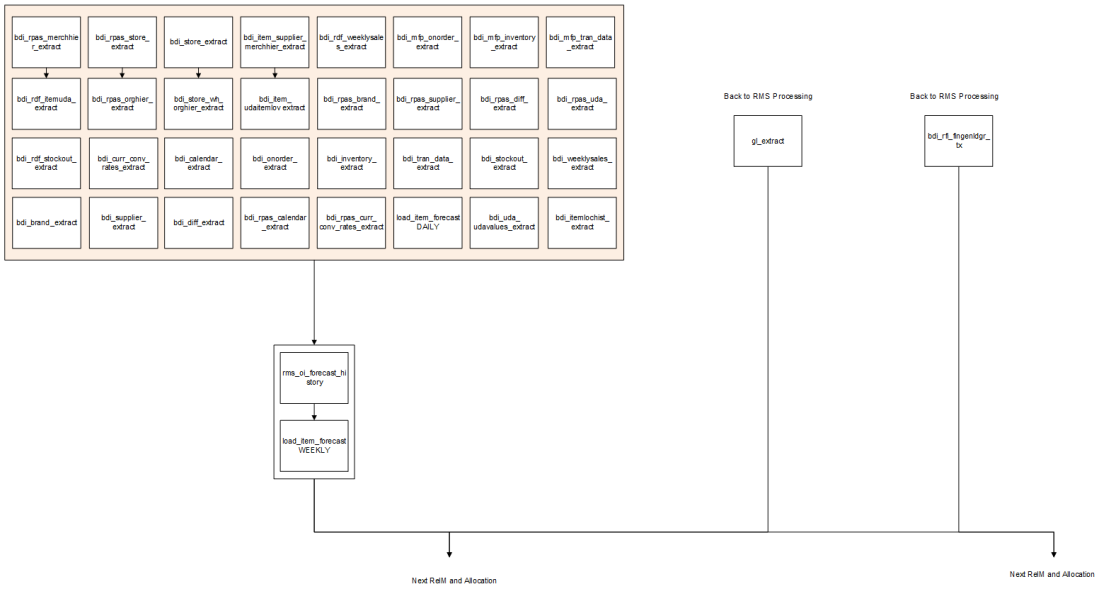


RMS Processing



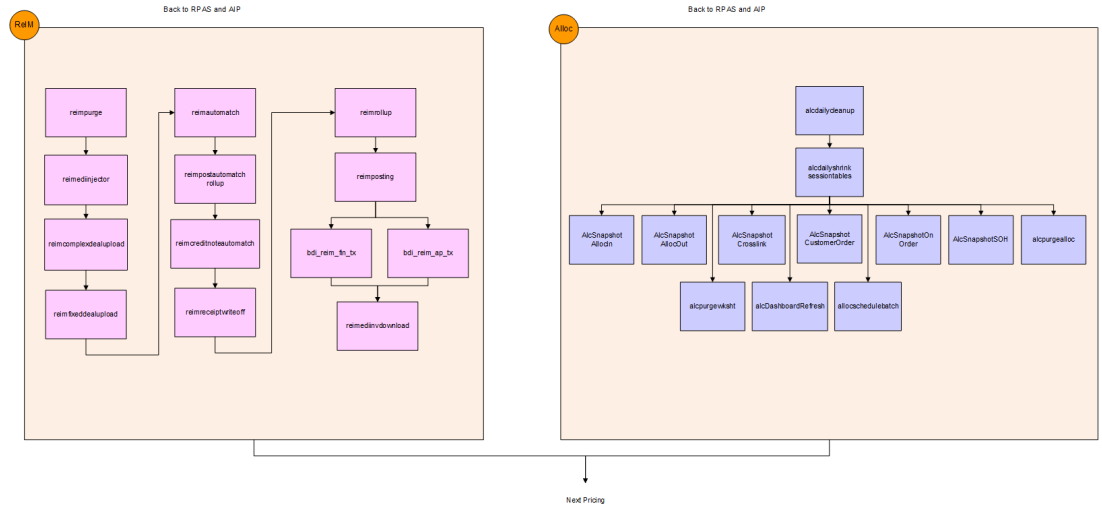
RPAS and AIP

RPAS and AIP



ReIM and Allocation

ReIM and Allocation

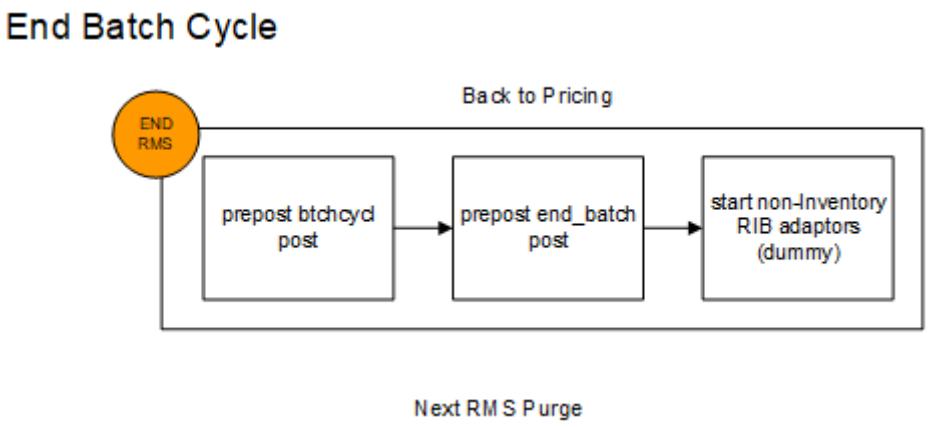


Pricing

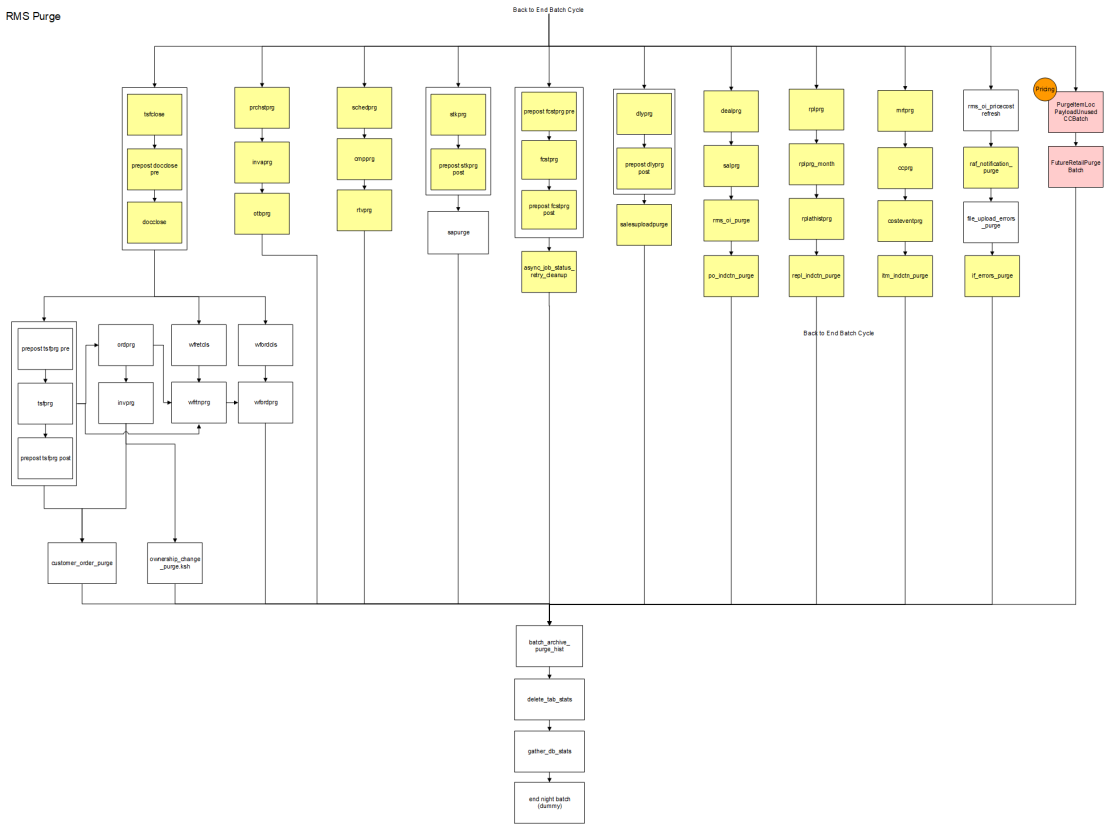
Pricing

Back to ReIM and Allocation
Pricing
NightlyBatchCleanupBatch pre
ItemReclassBatch
NewItemLocation Batch
PriceEventExecution Batch
bdi_clearance_ extract
bdi_pricechange_ extract
bdi_promotionoffer _extract
ClearancePrice ChangePublishBatch
RegularPrice ChangePublishBatch
PurgeBatch
NightlyBatchCleanupBatch post
distropcpub
ordupd
prepost ordupd post
fc_pricechg
otbdlsal
otbdnld
otbdlord
dtesys
stop Inventory RIB adaptor 24x7 (dummy)
bdi_invavail_store_ extract
bdi_invavail_wh_ extract
bdi_cofutureavail_ extract
manage_table_triggers (enable)
start Inventory RIB adaptor (dummy)
start Inventory RIB adaptor 24x7 (dummy)
Next End Batch Cycle

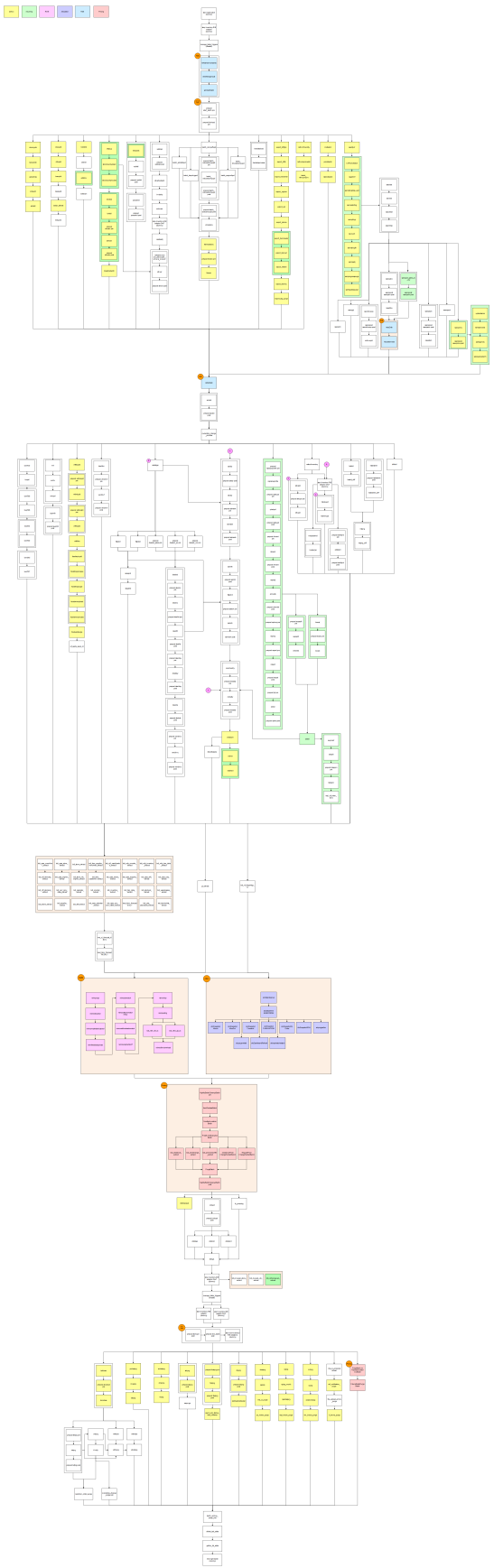
End Batch Cycle



RMS Purge

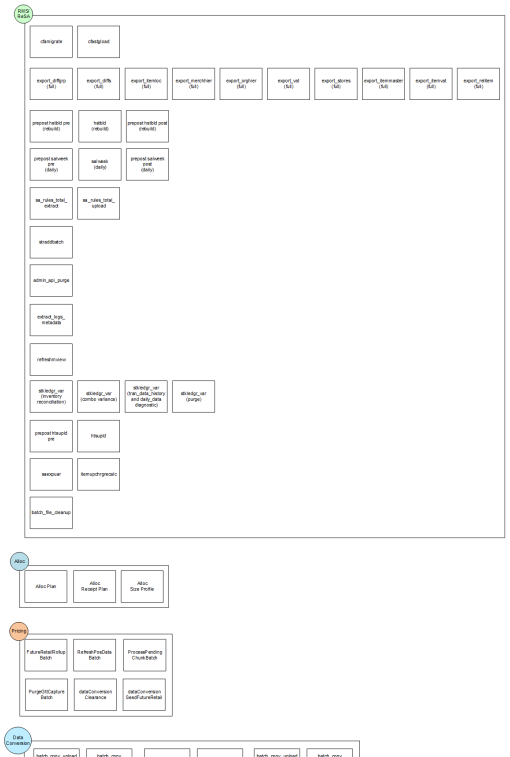


Nightly Batch Schedule

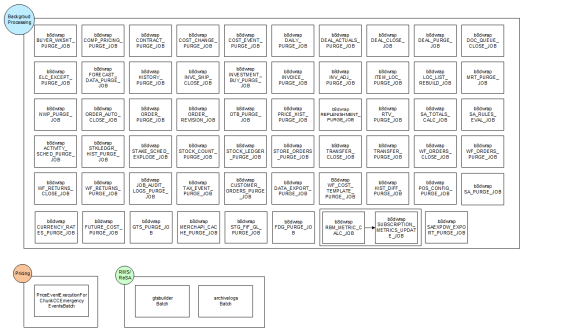


Adhoc/Cyclic Only Jobs

ADHOC ONLY JOBS



CYCLIC ONLY JOBS



ADHOC AND CYCLIC ONLY JOBS