🔗 Function-to-Redis-Action Mapping Table

This table lists every function responsible for **populating**, **moving**, or **deleting** Redis keys and queues across the ingestion system. It is organized by data source and follows the Live and Historical flows.

🗞️ Benzinga News (Live & Historical)

Function	Redis Action	Redis Keys / Patterns
`RedisClient.set_news()`	`SET`, `LPUSH`	`news:benzinga:live:raw:{id}`, `{updated}`, `news:benzinga:queues:raw`
`RedisClient.set_news_batch()`	`SET`, `LPUSH`	`news:hist:raw:{id}.{updated}`, `news:queues:raw`
`BaseProcessor.process_all_items()`	`GET`, `SET`, `LPUSH`, `PUBLISH`, `DEL`	`news:queues:raw` → `news:benzinga:{live|hist}:processed:{id}.{updated}`, `news:benzinga:queues:processed`, `news:benzinga:live:processed`
`EventReturnsManager.process_event_metadata()`	Adds metadata	`metadata.event`, `metadata.returns_schedule`, `metadata.instruments`
`ReturnsProcessor._process_returns()`	`SET`, `ZADD`, `DEL`	`news:withreturns:{id}`, `news:withoutreturns:{id}`, `news:pending_returns`
`ReturnsProcessor._process_pending_returns()`	`ZRANGE`, `GET`, `SET`, `ZREM`	`news:pending_returns`, `news:withoutreturns:{id}` → `news:withreturns:{id}`

📈 SEC Reports (Live & Historical)

Function	Redis Action	Redis Keys / Patterns
`RedisClient.set_filing()`	`SET`, `LPUSH`	

Function	Redis Action	Redis Keys / Patterns
		reports:live:raw:{accessionNo}.{filedAt}, reports:queues:raw
RedisClient.set_filing()	SET, LPUSH, SET	reports:hist:raw:{accessionNo}.{filedAt}, reports:queues:raw, batch:reports:{from}-{to}:fetch_complete
BaseProcessor.process_all_items()	GET, SET, LPUSH, PUBLISH, DEL	reports:queues:raw → reports:{live|hist}:processed:{accessionNo}.{filedAt}, reports:queues:processed, reports:live:processed
EventReturnsManager.process_event_metadata()	Adds metadata	metadata.event, metadata.returns_schedule, metadata.instruments
ReturnsProcessor._process_returns()	SET, ZADD, DEL	reports:withreturns:{id}, reports:withoutreturns:{id}, reports:pending_returns
ReturnsProcessor._process_pending_returns()	ZRANGE, GET, SET, ZREM	reports:pending_returns, reports:withoutreturns:{id} → reports:withreturns:{id}

🗣️ Transcripts (Live & Historical)

Function	Redis Action	Redis Keys / Patterns
EarningsCallProcessor.store_transcript_in_redis()	SET, LPUSH	transcripts:{live|hi {symbol}_{timestamp}, transcripts:queues:ra
TranscriptProcessor._process_scheduled_items() → _handle_transcript_found() / _schedule_transcript_retry()	ZREM, SADD, DEL, PUBLISH	admin:transcripts:sch admin:transcripts:pro admin:transcripts:not
BaseProcessor.process_all_items()	GET, SET, LPUSH, DEL	transcripts:queues:ra transcripts:{live|hist}:processed:{symb _{timestamp}, transcripts:queues:pr
TranscriptProcessor._handle_transcript_found()	DEL	transcripts:{live|his {symbol}_{timestamp}
EventReturnsManager.process_event_metadata()		

Function	Redis Action	Redis Keys / Patterns
	Adds metadata	metadata.event, metadata.returns_sche metadata.instruments
ReturnsProcessor._process_returns()	SET	transcripts:withretur transcripts:withoutre

🔄 Cross-Cutting Functions

Function	Redis Action	Redis Keys / Patterns
reconcile_missing_items()	SCAN, GET, DEL, LPUSH	{source}:withreturns:*
Neo4jProcessor._handle_ingestion_success()	DEL	{source}:withreturns:{id}
StatsTracker.increment()	INCR, EXPIRE	admin:operations:{type}:{id
RedisClient.get_symbols()	SMEMBERS	admin:tradable_universe:sym
RedisClient.get_stock_universe()	GET	admin:tradable_universe:sto
RedisClient.set_json()	SET	admin:* various admin keys
RedisClient.batch_delete_keys()	DEL (multiple)	Various patterns

📊 Admin & Monitoring Functions

Function	Redis Action	Redis Keys / Patterns
`_log_downtime()`	`SET`	`admin:websocket_downtime:{s` `{timestamp}`
`disconnect()`	`SET`	`admin:{news|reports}:shutd`
`connect()`	`GET`, `SET`	`admin:backfill:{news|repor` `_restart_gap`
`_on_message()`	`SET`	`admin:{news|` `reports}:last_message_time`
`EventTraderRedis.initialize_stock_universe()`	`SET`, `SADD`	`admin:tradable_universe:sto` `admin:tradable_universe:sym`
`RedisClient.clear()`	`DEL`, `SCAN`	Various patterns based on prefix