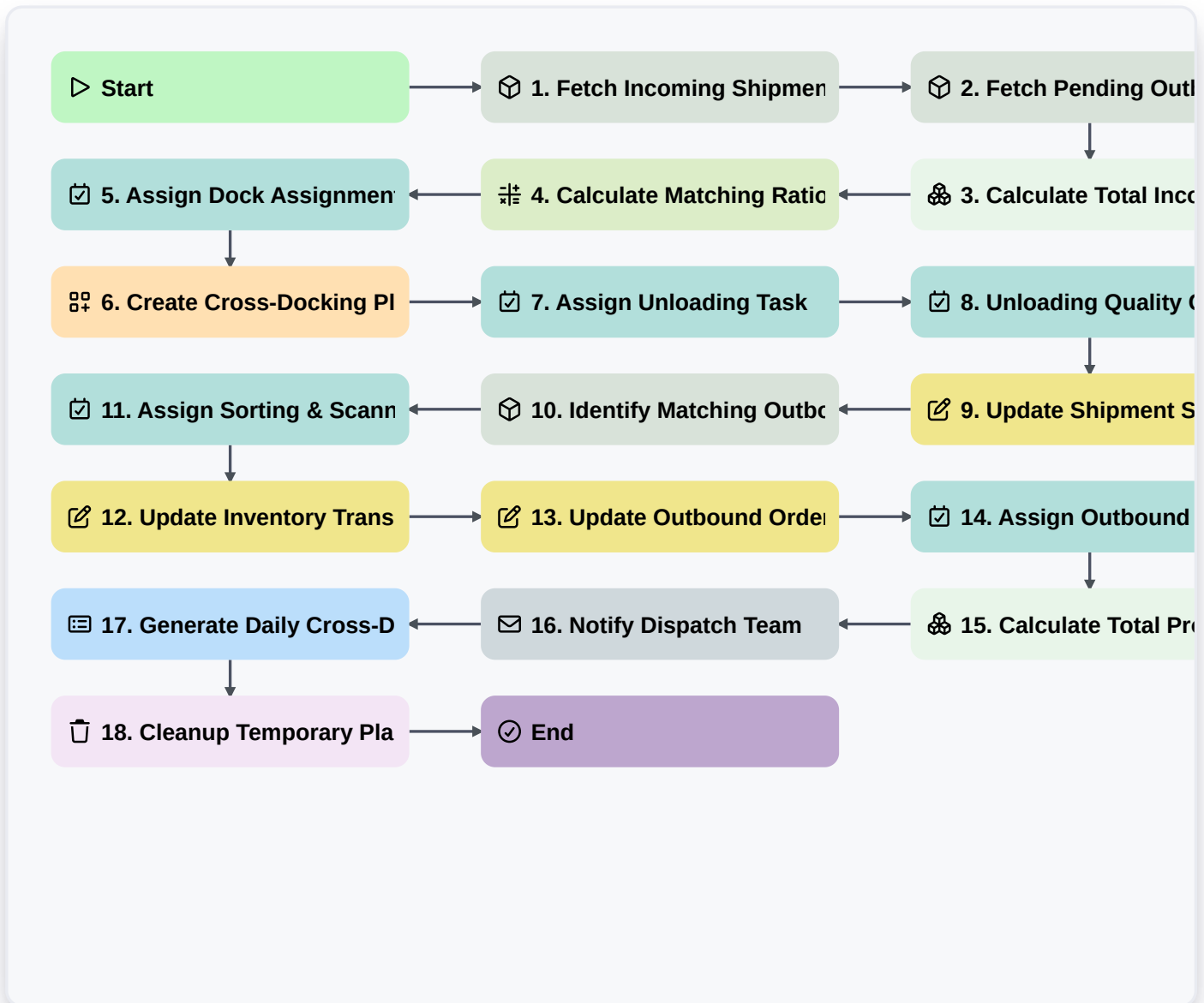


Cross-Docking Management Workflow



▷ Start

Start of the Workflow/Process.

📦 1. Fetch Incoming Shipment Manifest

Retrieve all incoming shipment records from the 'Inbound Shipments' data model.

📦 2. Fetch Pending Outbound Orders

Retrieve all orders in the 'Outbound Orders' data model that are flagged for cross-docking.

🧮 3. Calculate Total Incoming Volume

Sum the total number of units/pallets from the incoming shipment entries to determine dock capacity needs.

🧮 4. Calculate Matching Ratio

Compare total incoming units vs. total outbound units to identify potential surplus or shortage.

📋 5. Assign Dock Assignment Task

Create a task for the Warehouse Manager to assign specific loading docks to the incoming shipment.

📋 6. Create Cross-Docking Plan

Generate a new entry in the 'Cross-Docking Plans' data model containing the matching logic for the current wave.



7. Assign Unloading Task

Create a task for the Receiving Team to unload the specific containers/trucks.

8. Unloading Quality Check

A checklist within the Unloading Task to verify package integrity and quantity against the manifest.

9. Update Shipment Status

Update the status of the incoming shipment entry to 'Arrived/Unloading'.

10. Identify Matching Outbound Items

Search the 'Outbound Orders' data model for SKU matches found in the newly unloaded shipment.

11. Assign Sorting & Scanning Task

Create a task for Floor Staff to scan items and move them directly to the outbound staging area.

12. Update Inventory Transit Status

Update the 'In-Transit' status for specific SKUs to reflect they have moved from Inbound to Outbound staging.

13. Update Outbound Order Status

Update the 'Outbound Orders' data model to 'Ready for Loading'.

14. Assign Outbound Loading Task

Create a task for the Loading Team to move items from the dock to the outbound truck.

15. Calculate Total Processed Throughput

Sum the total number of items processed in the current session for performance reporting.

16. Notify Dispatch Team

Send an email to the Dispatch Team notifying them that outbound orders are ready for vehicle loading.

17. Generate Daily Cross-Dock Efficiency Report

Generate a report summarizing the volume of goods cross-docked vs. stored in the warehouse.

18. Cleanup Temporary Plan Entries

Delete the temporary 'Cross-Docking Plan' entry after the process is completed to keep the data model clean.

End

End of the Workflow/Process.