**Naming Conventions:**

1. Prefix with stg
2. Second part include the source name. for multiple sources, can add hyphen-separated values
3. Add two hyphens to separate the name
4. Add a name that corresponds to the source table name with plurals

Example:

Source table name: WSH.WSH\_DELIVERY\_DETAILS

Staging model name: stg\_oracle\_\_delivery\_details

Stg\_oracle\_wms\_\_customers

**Criteria for enhancements to the staging table:**

Create Views with Direct reference to Sources

Add Business Names to the columns

Make Date standardizations

Data types casting

Other Data cleansing (mostly string functions)

Data is flattened. like JSON, hierarchies

Simple business transformations on columns from single tables like the case or if conditions

union similar datasets across sources

Join tables that do not give consumption value as individual tables

---------------------------------------------------------------------------------------------------------------

Example Model: stg\_oracle\_\_new\_deliveries.sql

with source as (

    select \* from {{ source('oracle\_wms', 'wsh\_new\_deliveries') }}

),

renamed as (

    select

        delivery\_id,

        name,

        planned\_flag,

        decode(status\_code,'CL','Closed','OP','Open',status\_code)  delivery\_status,

        initial\_pickup\_date Actual\_shipment\_date,

        initial\_pickup\_location\_id,

        ultimate\_dropoff\_location\_id,

        ultimate\_dropoff\_date,

        customer\_id,

        intmed\_ship\_to\_location\_id,

        pooled\_ship\_to\_location\_id,

        freight\_terms\_code,

        fob\_code,

        waybill tracking\_number,

        confirmed\_by,

        asn\_date\_sent,

        asn\_status\_code,

        gross\_weight,

        net\_weight,

        weight\_uom\_code,

        volume,

        volume\_uom\_code,

        additional\_shipment\_info,

        port\_of\_loading,

        attribute1,

        case when length(attribute2) = 11 and regexp\_instr(attribute2,'-',1,1)=3 and regexp\_instr(attribute2,'-',1,2)=7

        and substr(upper(attribute2),4,3) in ('JAN','FEB','MAR', 'APR', 'MAY', 'JUN','JUL', 'AUG', 'SEP', 'OCT', 'NOV','DEC')

        and substr(upper(attribute2),1,2) in ('01', '02', '03', '04', '05', '06', '07', '08', '09', '10', '11', '12', '13',

        '14', '15', '16', '17', '18', '19','20', '21', '22', '23', '24', '25','26', '27', '28', '29', '30', '31') then

        to\_date(attribute2,'DD-MON-YYYY') end ETD,

        case when length(attribute3) = 11 and regexp\_instr(attribute3,'-',1,1)=3 and regexp\_instr(attribute3,'-',1,2)=7

        and substr(upper(attribute3),4,3) in ('JAN','FEB','MAR', 'APR', 'MAY', 'JUN','JUL', 'AUG', 'SEP', 'OCT', 'NOV','DEC')

        and substr(upper(attribute3),1,2) in ('01', '02', '03', '04', '05', '06', '07', '08', '09', '10', '11', '12', '13',

        '14', '15', '16', '17', '18', '19','20', '21', '22', '23', '24', '25','26', '27', '28', '29', '30', '31') then

        to\_date(attribute3,'DD-MON-YYYY') end ETA,

        attribute4,

        attribute5,

        attribute6 ship\_air,

        attribute7 vessel\_name,

        attribute8 vessel\_number,

        attribute9 bol\_number,

        attribute10 container\_number,

        attribute11::varchar(10) carton\_num\_from,

        attribute12::varchar(10) carton\_num\_to,

        attribute13 loading\_port,

        attribute14 Destination,

        attribute15,

        tp\_attribute\_category,

        tp\_attribute1,

        tp\_attribute2,

        tp\_attribute3,

        tp\_attribute4,

        tp\_attribute5,

        tp\_attribute6,

        tp\_attribute7,

        tp\_attribute8,

        tp\_attribute9,

        tp\_attribute10,

        tp\_attribute11,

        tp\_attribute14,

        tp\_attribute15,

        creation\_date,

        created\_by,

        last\_update\_date,

        last\_updated\_by,

        confirm\_date ship\_confirm\_date,

        ship\_method\_code,

        delivery\_type,

        carrier\_id,

        organization\_id,

        loading\_sequence,

        loading\_order\_flag,

        number\_of\_lpn,

        batch\_id,

        source\_header\_id,

        hash\_value,

        shipping\_marks,

        service\_level,

        mode\_of\_transport,

        auto\_sc\_exclude\_flag,

        auto\_ap\_exclude\_flag,

        ap\_batch\_id,

        earliest\_pickup\_date,

        latest\_pickup\_date,

        earliest\_dropoff\_date,

        latest\_dropoff\_date,

        ignore\_for\_planning,

        shipment\_direction,

        wv\_frozen\_flag,

        hash\_string,

        itinerary\_complete,

        del\_wf\_intransit\_attr,

        del\_wf\_interface\_attr,

        del\_wf\_close\_attr,

        tms\_version\_number,

        tms\_interface\_flag,

        \_batch\_run\_id,

        \_batch\_insert\_date,

        \_batch\_update\_date,

        \_source\_id

    from source

)

select \* from renamed

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Example Model: stg\_oracle\_\_delivery\_details.sql

with source as (

    select \* from {{ source('oracle\_wms', 'wsh\_delivery\_details') }}

),

renamed as (

    select

        delivery\_detail\_id,

        source\_code,

        source\_header\_id order\_header\_id,

        source\_line\_id order\_line\_id,

        source\_header\_type\_id,

        source\_header\_type\_name,

        cust\_po\_number,

        customer\_id customer\_account\_id,

        sold\_to\_contact\_id,

        inventory\_item\_id,

        item\_description,

        ship\_set\_id,

        arrival\_set\_id,

        top\_model\_line\_id,

        ato\_line\_id,

        ship\_model\_complete\_flag,

        hazard\_class\_id,

        ship\_from\_location\_id,

        organization\_id ship\_from\_org\_id,

        ship\_to\_location\_id,

        ship\_to\_contact\_id,

        deliver\_to\_location\_id,

        intmed\_ship\_to\_location\_id,

        ship\_tolerance\_above,

        ship\_tolerance\_below,

        src\_requested\_quantity,

        src\_requested\_quantity\_uom order\_quantity\_uom,

        cancelled\_quantity,

        requested\_quantity,

        requested\_quantity\_uom,

        shipped\_quantity,

        delivered\_quantity,

        quality\_control\_quantity,

        cycle\_count\_quantity,

        move\_order\_line\_id,

        subinventory,

        revision,

        lot\_number,

        locator\_id,

        date\_requested,

        date\_scheduled schedule\_ship\_date,

        load\_seq\_number,

        ship\_method\_code,

        carrier\_id,

        freight\_terms\_code,

        shipment\_priority\_code,

        fob\_code,

        customer\_item\_id,

        dep\_plan\_required\_flag,

        net\_weight,

        weight\_uom\_code,

        volume,

        volume\_uom\_code,

        shipping\_instructions,

        packing\_instructions,

        org\_id operating\_unit\_id,

        oe\_interfaced\_flag,

        mvt\_stat\_status,

        tracking\_number,

        tp\_attribute1,

        tp\_attribute2,

        tp\_attribute3,

        tp\_attribute4,

        tp\_attribute5,

        tp\_attribute6,

        tp\_attribute7,

        tp\_attribute8,

        tp\_attribute12,

        tp\_attribute13,

        attribute10,

        attribute11,

        attribute12,

        attribute13,

        attribute14,

        attribute15,

        creation\_date,

        created\_by,

        last\_update\_date,

        last\_updated\_by,

        movement\_id,

        split\_from\_delivery\_detail\_id,

        inv\_interfaced\_flag,

        maximum\_volume,

        maximum\_load\_weight,

        gross\_weight,

        fill\_percent,

        container\_name,

        container\_flag,

        src\_requested\_quantity2,

        requested\_quantity2,

        shipped\_quantity2,

        delivered\_quantity2,

        cancelled\_quantity2,

        quality\_control\_quantity2,

        cycle\_count\_quantity2,

        unit\_price,

        currency\_code,

        ship\_to\_site\_use\_id ship\_to\_org\_id,

        deliver\_to\_site\_use\_id,

        lpn\_id,

        inspection\_flag,

        original\_subinventory,

        source\_header\_number sales\_order\_num,

        source\_line\_number sales\_order\_line\_num,

        pickable\_flag,

        customer\_production\_line,

        customer\_job,

        picked\_quantity,

        picked\_quantity2,

        source\_line\_set\_id,

        batch\_id,

        transaction\_id,

        service\_level,

        mode\_of\_transport,

        earliest\_pickup\_date,

        latest\_pickup\_date,

        earliest\_dropoff\_date,

        latest\_dropoff\_date,

        request\_date\_type\_code,

        source\_document\_type\_id,

        ignore\_for\_planning,

        line\_direction,

        filled\_volume,

        unit\_weight,

        unit\_volume,

        wv\_frozen\_flag,

        \_batch\_run\_id,

        \_batch\_insert\_date,

        \_batch\_update\_date,

        \_source\_id,

        case when pickable\_flag = 'Y' then date\_scheduled end plan\_pick\_on\_dt,

        decode(released\_status,'B', 'Backordered','R', 'Ready to Release','S', 'Pick Released', 'Y', 'Picked','X', 'Not applicable for Pick Release','C', 'Closed',released\_status) released\_status,

        nvl(case when pickable\_flag = 'Y' then requested\_quantity end ,0) plan\_pick\_qty,

        nvl(case when pickable\_flag = 'Y' then requested\_quantity end ,0) plan\_ship\_qty,

        nvl(case when pickable\_flag = 'Y' then case when released\_status = 'Y' then picked\_quantity when released\_status in ('C','I') then shipped\_quantity end end,0) act\_picked\_qty,

        nvl(case when pickable\_flag = 'Y' then case when released\_status = 'Y' then picked\_quantity when released\_status in ('C','I') then shipped\_quantity end end,0) \* unit\_price act\_picked\_amt,

        nvl(case when released\_status = 'Y' then shipped\_quantity end,0) act\_shipped\_qty,

        substr(source\_line\_number,1,decode(regexp\_instr(source\_line\_number,'.'),0,1,regexp\_instr(source\_line\_number,'.')-1))::varchar(50) sales\_order\_item

    from source

        where source\_code = 'OE'

)

select \* from renamed