

??-????????

????????ShipV2??????

1. ?????

1.1 ?????

- 前端 `wimoor-ui/src/views/amazon/report/shipv2/detail/index.vue`
- 依赖 `Vue 3` `Element Plus` `Vite` `Axios`
- 特性 `Vue 3 Composition API` `reactive` `ref`
- API `wimoor-ui/src/api/amazon/inbound/reportV2Api.js`

1.2 ?????

- 后端 `ShipInboundReportV2Controller.java`
- 接口 `IShipInboundPlanService.java` `ShipInboundPlanServiceImpl.java`
- 映射 `ShipInboundPlanV2Mapper.java` `ShipInboundPlanV2Mapper.xml`
- 环境 `Spring Boot` `MyBatis Plus` `MySQL`

1.3 ????

前端页面 → 前端接口 → API → 后端接口 → 后端实现 → Mapper接口 → 接口 → 数据库 → 数据

2. ?????

2.1 ????????

```
<template>
  <div>
    <!-- 前端接口 -->
    <el-tabs v-model="selecttype" @tab-change="handleQuery">
```

```

    <el-tab-pane label="□□□□" name="shipment"></el-tab-pane>
    <el-tab-pane label="□SKU□" name="sku"></el-tab-pane>
</el-tabs>

<!-- □□□□ -->
<div class="filter-bar">
  <!-- □□□□ -->
  <el-select v-model="queryParam.groupid" @change="handleQuery">
    <!-- □□ -->
  </el-select>

  <!-- □□□□□□ -->
  <el-select v-model="queryParam.datetype" @change="handleQuery">
    <el-option label="□□□□" value="createdate"></el-option>
    <el-option label="□□□□" value="senddate"></el-option>
  </el-select>

  <!-- □□□□□□ -->
  <el-date-picker v-model="dateRange" @change="handleQuery"></el-date-picker>

  <!-- □□□□ -->
  <el-select v-model="queryParam.warehouseid" @change="handleQuery">
    <el-option label="□□" value="all"></el-option>
    <!-- □□ -->
  </el-select>

  <!-- □□□□□□ -->
  <el-input v-model="queryParam.search" @keyup.enter="handleQuery"></el-input>

  <!-- □□□□ -->
  <el-button @click="openFilter">□□</el-button>
</div>

<!-- □□□□ -->
<div class="operation-bar">
  <el-button @click="refresh">□□</el-button>
  <el-button @click="handleExport">□□</el-button>
  <!-- □□□□ -->
</div>

```

```

<!-- 标题 -->
<el-table v-loading="isLoading" :data="tableData.records">
  <!-- 标题 -->
</el-table>

<!-- 分页 -->
<el-pagination @size-change="handleSizeChange" @current-change="handleCurrentChange"></el-
pagination>
</div>
</template>

```

2.2 ???????

2.2.1 ??????

```

const state = reactive({
  selecttype: 'shipment', // 运输类型
  dateRange: [], // 日期范围
  queryParams: {
    groupid: undefined, // 组ID
    datatype: 'createdate', // 数据类型
    fromdate: '', // 开始日期
    enddate: '', // 结束日期
    warehouseid: 'all', // 仓库ID
    search: '', // 搜索
    hasexceptionnum: '', // 异常数量
    carrierName: '' // 承运人名称
  },
  tableData: {
    records: [], // 记录
    total: 0 // 总数
  },
  isLoading: false, // 是否加载中
  skutableData: {
    records: [], // SKU记录
    total: 0 // SKU总数
  },
  sumQty: 0, // 总数量

```

```
sumReceivedQty: 0, // 000000
selectList: [] // 000000
});
```

2.2.2 API??

```
// reportV2Api.js
export default {
  getShipmentReportByLoistics, // 000000000000
  getShipmentReportByWarehouseLoistics, // 0000000000000000
  getShipmentDetailReport, // 0000000000
  getShipmentReport, // 00000000
  downShipmentExcel, // 0000Excel
  downExcelShipmentReportByLoistics, // 000000000000
  getShipmentReportByWarehouseLoistics
};
```

2.3 ?????

2.3.1 ???????

```
// 0000000000
function loadTableData(params) {
  state.isLoading = true;
  reportApi.getShipmentReport(params).then((res) => {
    state.isLoading = false;
    state.tableData.records = res.data.records;
    state.tableData.total = res.data.total;
  });
}

// 00SKU00000
function skuloadTableData(params) {
  state.isLoading = true;
  reportApi.getShipmentDetailReport(params).then((res) => {
    state.isLoading = false;
    state.skutableData.records = res.data.records;
    state.skutableData.total = res.data.total;
    // 000000000000
    state.sumQty = res.data.records.reduce((sum, item) => sum + (item.sendqty || 0), 0);
  });
}
```

```

    state.sumReceivedQty = res.data.records.reduce((sum, item) => sum + (item.receivedqty ||
0), 0);
  });
}

```

2.3.2 ???????

```

function handleQuery() {
  if (state.selecttype === 'shipment') {
    state.queryParam.pageNum = 1;
    loadTableData(state.queryParam);
  } else {
    state.queryParam.pageNum = 1;
    skuloadTableData(state.queryParam);
  }
}

```

```

function handleSizeChange(val) {
  state.queryParam.pageSize = val;
  handleQuery();
}

```

```

function handleCurrentChange(val) {
  state.queryParam.pageNum = val;
  handleQuery();
}

```

2.3.3 ?????

```

function downloadList(ftype) {
  if (ftype == "shiptask") {
    // ??????????

    findProcessHandle({"fromdate":state.queryParam.fromdate,"enddate":state.queryParam.enddate});
  } else if (ftype == "shipqty") {
    // ??????????

    inventoryRptApi.downloadOutstockformOut({"fromdate":state.queryParam.fromdate,"enddate":state.
queryParam.enddate});
  } else {

```

```

// 初始化
state.queryParam.downloadType = ftype;
reportApi.downShipmentExcel(state.queryParam, () => {
    state.downLoading = false;
});
}
}

```

2.4 ???????

1. 初始化 `selecttype` 列表
2. 初始化 `handleQuery` 列表
3. 初始化 `handleSizeChange` 和 `handleCurrentChange` 列表
4. 初始化 API 列表
5. 初始化 SKU 列表

3. ?????

3.1 ?????

3.1.1 ??API??

API	方法	返回
<code>/api/v2/ship/report/getShipmentReport</code>	POST	列表
<code>/api/v2/ship/report/getShipmentDetailReport</code>	POST	SKU 列表
<code>/api/v2/ship/report/downShipmentExcel</code>	POST	Excel
<code>/api/v2/ship/report/getShipmentReportByLoistics</code>	POST	列表
<code>/api/v2/ship/report/getShipmentReportByWarehouseLoistics</code>	POST	列表
<code>/api/v2/ship/report/downExcelShipmentReportByLoistics</code>	POST	Excel

3.1.2 ????????

```

@PostMapping(value = "/getShipmentReport")
public Result<IPage<Map<String, Object>>> getShipmentReport(@RequestBody
    ShipInboundShipmenSummaryDTO dto) {

```

```

Map<String, Object> param = new HashMap<>();
// 初始化
UserInfo user = UserInfoContext.get();
param.put("shopid", user.getCompanyid());
param.put("marketplaceid", dto.getMarketplaceid());
param.put("groupid", dto.getGroupid());
param.put("search", dto.getSearch());
param.put("datetype", dto.getDatetype());
param.put("fromDate", dto.getFromdate());
param.put("endDate", dto.getEnddate());
param.put("warehouseid", dto.getWarehouseid());
param.put("company", dto.getCompany());
param.put("companyid", dto.getCompanyid());
param.put("iserror", dto.getHasexceptionnum());

// 分页
IPage<Map<String, Object>> pagelist =
shipInboundPlanService.getShipmentReport(dto.getPage(), param);
return Result.success(pagelist);
}

@PostMapping(value = "/downShipmentExcel")
public void downShipmentExcelAction(@RequestBody ShipInboundShipmenSummaryDTO dto,
HttpServletResponse response) {
    try {
        // 创建Excel
        SXSSFWorkbook workbook = new SXSSFWorkbook();
        response.setContentType("application/force-download");
        response.addHeader("Content-Disposition",
"attachment;fileName=Shipmenttemplate.xlsx");
        ServletOutputStream fOut = response.getOutputStream();

        // 初始化
        UserInfo user = UserInfoContext.get();
        Map<String, Object> params = new HashMap<>();
        params.put("shopid", user.getCompanyid());
        params.put("datetype", dto.getDatetype());
        params.put("marketplaceid", dto.getMarketplaceid());
        params.put("groupid", dto.getGroupid());

```

```

        params.put("search", dto.getSearch());
        params.put("fromDate", dto.getFromdate());
        params.put("endDate", dto.getEnddate());
        params.put("ftype", dto.getDownloadType());

        // 导出Excel
        shipInboundPlanService.setExcelBookByType(workbook, params);

        // 写入Excel
        workbook.write(f0Out);
        workbook.close();
        f0Out.flush();
        f0Out.close();
    } catch (Exception e) {
        e.printStackTrace();
    }
}

```

3.2 ???

3.2.1 ??????

```

public interface IShipInboundPlanService extends IService<ShipInboundPlan>, IRunAmazonService
{
    // 导出...

    /**
     * 导出Excel
     */
    IPage<Map<String, Object>> getShipmentDetailReport(Page<Object> page, Map<String, Object>
param);

    /**
     * 导出Excel
     */
    IPage<Map<String, Object>> getShipmentReport(Page<Object> page, Map<String, Object>
param);

    /**

```

```

    * 设置Excel模板
    */
    void setExcelBookByType(SXSSFWorkbook workbook, Map<String, Object> params);
}

```

3.2.2 自定义

```

@Override
public IPage<Map<String, Object>> getShipmentReport(Page<Object> page, Map<String, Object>
param) {
    return this.baseMapper.getShipmentReport(page, param);
}

@Override
public IPage<Map<String, Object>> getShipmentDetailReport(Page<Object> page, Map<String,
Object> param) {
    return this.baseMapper.getShipmentDetailReport(page, param);
}

@Override
public void setExcelBookByType(SXSSFWorkbook workbook, Map<String, Object> params) {
    String type = params.get("ftype").toString();
    if ("shipment".equals(type)) {
        // 设置模板
        Map<String, Object> titlemap = new LinkedHashMap<>();
        titlemap.put("ShipmentId", "单据号");
        titlemap.put("groupname", "组名");
        titlemap.put("warehousename", "仓库名");
        // ...

        List<Map<String, Object>> list = this.baseMapper.getShipmentReport(params);
        Sheet sheet = workbook.createSheet("sheet1");
        // ...
    } else if ("sku".equals(type)) {
        // SKU模板
        // ...
    }
}
}

```

3.3 ??????

3.3.1 Mapper??

```
public interface ShipInboundPlanV2Mapper extends BaseMapper<ShipInboundPlan> {
    // 查询...

    /**
     * 查询
     */
    IPage<Map<String, Object>> getShipmentReport(Page<Object> page, @Param("param")
    Map<String, Object> param);

    /**
     * 查询
     */
    IPage<Map<String, Object>> getShipmentDetailReport(Page<Object> page, @Param("param")
    Map<String, Object> param);

    /**
     * 查询
     */
    List<Map<String, Object>> getShipmentReport(@Param("param") Map<String, Object> param);

    /**
     * 查询
     */
    List<Map<String, Object>> getShipmentDetailReport(@Param("param") Map<String, Object>
    param);
}
```

3.3.2 SQL??

getShipmentReport

```
<select id="getShipmentReport" parameterType="java.util.Map" resultType="java.util.Map">
    SELECT
        s.ShipmentId,
        ag.name AS groupname,
        wh.name AS warehousename,
```

```

s.createdate,
s.senddate,
s.receivedate,
s.completedate,
s.destination,
s.marketplace,
s.warehouseid,
s.estimateddeliverydate,
s.carrierName,
s.shippingchannel,
SUM(i.receivedqty) AS receivedqty,
SUM(i.quantity) AS sendqty,
SUM(s.fee) AS feecount,
s.weight,
s.weightfee,
s.otherfee,
s.actualweight,
s.estimateweight,
s.boxactualweight,
s.boxvolumeweight
FROM
    t_erp_ship_v2_inboundplan s
LEFT JOIN
    t_amazon_group ag ON ag.id = s.groupid
LEFT JOIN
    t_erp_warehouse wh ON wh.id = s.warehouseid
LEFT JOIN
    t_erp_ship_v2_inbounditem i ON i.formid = s.id
WHERE
    s.shopid = #{param.shopid}
    <if test="param.marketplaceid != null">
        AND s.marketplaceid = #{param.marketplaceid}
    </if>
    <if test="param.groupid != null">
        AND s.groupid = #{param.groupid}
    </if>
    <if test="param.search != null">
        AND s.ShipmentId LIKE #{param.search}
    </if>
    <!-- 测试... -->

```

```
GROUP BY
    s.ShipmentId
ORDER BY
    s.createdate DESC
</select>
```

getShipmentDetailReport SKU

```
<select id="getShipmentDetailReport" parameterType="java.util.Map" resultType="java.util.Map">
    SELECT
        i.sku,
        s.ShipmentId,
        s.number,
        ag.name AS groupname,
        s.destination,
        s.warehouseid,
        wh.name AS warehousename,
        s.senddate,
        s.receivedate,
        s.shippingchannel,
        s.estimateddeliverydate,
        i.quantity AS sendqty,
        i.receivedqty,
        s.status,
        s.createdate
    FROM
        t_erp_ship_v2_inboundplan s
    LEFT JOIN
        t_amazon_group ag ON ag.id = s.groupid
    LEFT JOIN
        t_erp_warehouse wh ON wh.id = s.warehouseid
    LEFT JOIN
        t_erp_ship_v2_inbounditem i ON i.formid = s.id
    WHERE
        s.shopid = #{param.shopid}
        <if test="param.marketplaceid != null">
            AND s.marketplaceid = #{param.marketplaceid}
        </if>
        <if test="param.groupid != null">
```

```

        AND s.groupid = #{param.groupid}
    </if>
    <if test="param.search != null">
        AND (s.ShipmentId LIKE #{param.search} OR i.sku LIKE #{param.search})
    </if>
    <!-- 查询... -->
ORDER BY
    s.createdate DESC
</select>

```

4. ?????

4.1 ??????

- 查询 查询
- **SKU** 查询 SKU 查询 SKU 查询

4.2 ??????

查询	查询	查询
查询	查询	查询
查询	查询 / 查询	查询
查询	查询	查询
查询	查询	查询
查询	查询	查询
查询	查询 / 查询	查询
查询	查询	查询

4.3 ?????

查询	查询	查询
查询	查询 SKU	查询
查询 SKU	查询 SKU	查询
查询	查询	查询
查询	查询	查询

4.4 ?????

- SKU [] []
- [] []

5. ?????

5.1 ???????

1. **Vue 3 Composition API** [] reactive [] ref []
2. **Element Plus** [] [] el-tabs [] el-select [] el-table []
3. [] []
4. [] [] Axios [] loading []
5. [] [] UI

5.2 ???????

1. **RESTful API** [] [] POST []
2. **SXSSF Workbook** [] SXSSF Workbook [] Excel []
3. [] []
4. [] [] SQL []
5. [] **SQL** [] MyBatis Plus [] SQL []

5.3 ?????

1. [] [] MyBatis Plus []
2. [] []
3. [] [] Spring Cache []
4. [] []
5. [] [] Excel []

6. ???????

6.1 ???????

1. [] []
2. [] [] Pinia [] Vuex []
3. [] []

4. 面试 面试题
5. 面试 面试题

6.2 ??????

1. 面试 面试题 Spring Validation
2. 面试 面试题
3. 面试 面试题
4. 面试 面试题 Spring Boot Actuator
5. **SQL** 面试 面试题 SQL

6.3 ??????

1. 面试 面试题
2. 面试 面试题 Redis
3. 面试 面试题
4. **API** 面试 面试题 API
5. 面试 面试题 Docker

7. ?????

7.1 ?????

1. 面试 面试题
2. 面试 面试题
3. 面试 面试题
4. 面试 面试题

7.2 ?????

1. 面试 面试题
2. 面试 面试题
3. 面试 面试题
4. 面试 面试题

7.3 ?????

1. 面试 面试题
2. 面试 面试题
3. 面试 面试题

