

## 实现带箭头是真正执行调用

Mes.js

Shipout\_TJ.html 以shipout工站交互为例

```
var MesStation = function (o) {           MesClient.station.js
    this.Name = o.Name;
    this.StationName = o.StationName;
    this.OnInit = o.Init;
    MesStation.prototype.InputIsRepeat = false; /*InputIsRepeat 常...
```

登录的时候，与服务器建立websocket连接（websocket是长连接）  
在shipout\_TJ.html与后台交互的过程中使用的是前面建立好的client  
创建MESStation对象。初始化一些参数。定义并绑定一些方法。  
在输入框回车的时候触发监听，执行逻辑

```

OContainer: $("#outputsite"),
MContainer: $("#messagesite"),
MessageShowType: undefined;
Init: function (d) {
    var thisStation = new ShipOutStation(this);
    this.ShowInput(...);
    if (d.Status == "Pass") ...
    else ...
    resize();
};

station = new MesStation(option);

MesStation.prototype.Init = function () {
    if (this.Line == "Line1") {
        var line = localStorage.getItem($.MES.CK_LINE_NAME);
        if (line == undefined || line == null || line == "") ...
        else {
            if (this.BeforeInit != undefined) ...
            this.Line = line;
            MesStation.prototype.StationList = {};
            var MessageID = "MSGID" + parseInt(Math.random() * 99).toString() + Date
            this.ListenStationData(MessageID);
            this.Client.CallFunction(this.InitClassName, this.InitFunctionName
                , { DisplayStationName: this.Name, Line: this.Line }, this.InitCallB
        }
    }
    else ...
};

MesStation.prototype.InitCallBack = function (d) {
    var station = MesStation.prototype.StationList[d.MessageID];
    delete MesStation.prototype.StationList[d.MessageID];
    if (d.Status == "Pass") {
        station.CurrentInputJson = null;
        station.StationJson = d.Data.Station;
        ...
        station.Name = d.Data.Station.DisplayName;
        station.StationName = d.Data.Station.StationName;
        if (d.Data.Station.FailStation) ...
        for (var i = 0; i < d.Data.Station.Inputs.length; i++) {
            if (i == 0) {
                station.CurrentInputJson = d.Data.Station.Inputs[i];
            }
            var ip = new StationInput(d.Data.Station.Inputs[i]);
            station.Inputs.push(ip);
        }
    }
};

messtation.prototype.inputisrepeat = false;
MesStation.prototype.constructor = MesStation;
MesStation.prototype.MyName = function () ...;
MesStation.prototype.StationList = {};
MesStation.prototype.Init = function () ...;
... MesStation.prototype.InitCallBack = function (d) ...;
MesStation.prototype.ShowInputs = function (Container) ...;
MesStation.prototype.ShowOutput = function (obj) ...;
MesStation.prototype.ShowOutputs = function (Container) ...;
MesStation.prototype.ShowMessage = function (Container) ...;
MesStation.prototype.SendData = function () ...;
MesStation.prototype.CallBack = function (d) ...;
console.log("-----begin to init-----");
this.Init();

MesClient.prototype.CallFunction = function (ClassName, FunctionName, Data, CallBack, MessageID) {
    MessageID = MessageID ? MessageID : ("MSGID" + parseInt(Math.random() * 99).toString() + Date.now().toString());
    if (CallBack != null && CallBack != undefined) {
        $.subscribe(MessageID, function (e, d) {
            CallBack(d);
        });
    }
    var data = { Token: this.Token, ClientID: this.ClientID, MessageID: MessageID, Class: ClassName, Function: FunctionName };
    if (this.websocket.readyState == 1) {
        var jsonStr = JSON.stringify(data);
        if ($.MES.DEBUG) {
            console.log("Send>" + jsonStr);
        }
        this.websocket.send(jsonStr);
    } else {
        console.log("Error>_ WebSocket not ready,State:" + this.websocket.readyState);
    }
};

var StationInput = function (obj) {
    this.ID = obj.ID;
    this.Name = obj.Name;
    ...
    this.MessageID = obj.MessageID;
    StationInput.prototype.constructor = StationInput;
    StationInput.prototype.Show = function (obj) ...;
    StationInput.prototype.ClearValue = function () ...;
    StationInput.prototype.SetFocus = function () ...;
    StationInput.prototype.SetEnable = function (flag) ...;
    StationInput.prototype.SetVisable = function (flag) ...;
    StationInput.prototype.Remove = function () ...;
};

```

StationList存放的是key值为messageID的MESStation json对象

MesClient.js



```

MesStation.prototype.ShowInput = function (obj) {
    if (this.ScanType == "Pass") {
        for (var i = 0; i < this.Inputs.length; i++) {
            if (this.Inputs[i].DisplayName == obj.InputName) {
                obj.Container.find("button").unbind("click");
                obj.Container.find("input:radio").unbind("click");
                obj.Container.find("input.form-control").unbind("keypress");
                obj.Container.find("select.form-control").unbind("change");
                this.Inputs[i].Remove();
                this.Inputs[i].Show({ Client: this.Client, Container: obj.Container,
                this.Inputs[i].SetEnable();
                this.Inputs[i].SetVisable();
                obj.Container.find("button").bind("click", { Station: this }, function () {
                obj.Container.find("input:radio").bind("click", { Station: this }, function () {
                obj.Container.find("input.form-control").bind("keypress", { Station:
                    if (event.keyCode == 13) {
                        event.data.Station.SetInputValue(this.name, this.value);
                        event.data.Station.SendData();
                    }
                }
            }
        });
    }
}

```

工站调用后台逻辑,调用SendData

如果是基础配置页面是直接调用的callFunction

```

MesStation.prototype.SendData = function () {
    var MessageID = "MSGID" + parseInt(Math.random() * 99).toString() + Date.now().toString();
    //for (var i = 0; i < this.Inputs.length; i++) {
    //    this.Inputs[i].SetEnable(false);
    //}
    this.ListenStationData(MessageID);
    this.Client.CallFunction(this.InputClassName, this.InputFunctionName, { Station: this.StationJson, Input: this.Cur
};

```

```

protected override void OnMessage(MessageEventArgs e)
{
    Newtonsoft.Json.Linq.JObject Request = (Newtonsoft.Json.Linq.JObject)Newtonsoft.Json.JsonConvert.DeserializeObject(e.Message);
    string CLASS = Request["Class"].ToString();
    string FUNCTION = Request["Function"].ToString();
    string TOKEN = Request["Token"].ToString();
    string MsgID = Request["MessageID"]?.ToString();
    string ClientID = Request["ClientID"]?.ToString();
    Request.Add("IP", Newtonsoft.Json.Linq.JToken.Parse("{Value:\"" + this.ClientIP + "\"}"));

    Function.Invoke(API_CLASS, new object[] { Request, Request["Data"], StationReturn });
}

```

```

public class CallStation : MESPubLab.MESStation.MesAPIBase
{
    public void StationInput(Newtonsoft.Json.Linq.JObject requestValue, Newtonsoft.Json.Linq.JObject responseValue)
    {
        string DisplayName = Data["Station"]["DisplayName"]?.ToString();
        string Token = requestValue["Token"]?.ToString();
        JToken RCurrInput = Data["Input"];
        MESStationInput CurrInput = null;
        OleExec SFCDB = this.DBPools["SFCDB"].Borrow();
        OleExec APDB = this.DBPools["APDB"].Borrow();
        //將工站返回的值加載入工站模型中
        MESStationBase Station = null;
        if (StationPool.ContainsKey(Token + DisplayName))
        {
            Station = StationPool[Token + DisplayName];

            Station.StationMessages.Clear();
            Station.NextInput = null;
            Station.SFCDB = SFCDB;
            Station.APDB = APDB;
        }
    }
}

```

```

for (int i = 0; i < RunActionSEQ.Length; i++)
{
    List<StationAction> A = InputActions;
    actions = A.FindAll(t => t.ConfigType == RunActionSEQ[i]);
    for (int j = 0; j < actions.Count; j++)
    {
        DateTime start = DateTime.Now;
        if (CheckRun(A, j, actions[j].CActionID))
        {
            try
            {
                actions[j].Run(Station, this);
            }
            catch (Exception e1)
            {
                throw new Exception(actions[j].ActionName + " : " + e1.Message);
            }
        }
    }
    TimeSpan RunTime = DateTime.Now - start;
    StrActionRunTime += actions[j].ActionName + " : " + RunTime.TotalSeconds.ToString() + "\r\n";
}

```

CurrInput.Run();