



- Scope
- API's
- FLP Basics
- Demo

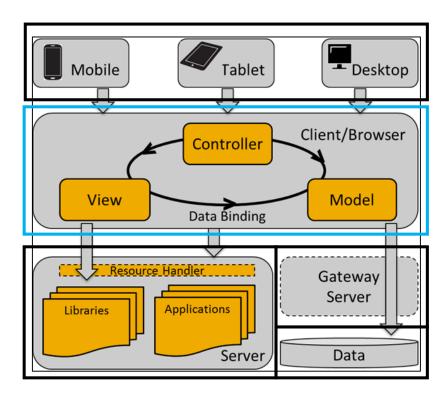




#### Scope

Launchpad, SAP Apps, Custom Apps

SAP Products NW Gateway S/4, ERP, SRM, CRM ASE, HANA



Devices

UI5 Application (Client)

**Backend Components** 



### Scope

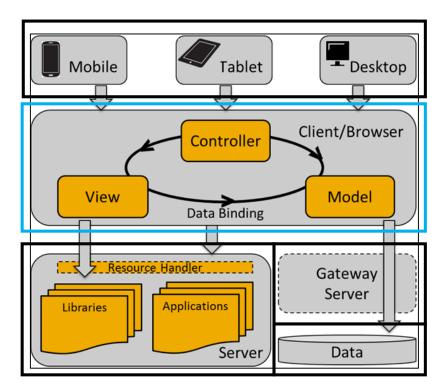




















# Scope Business

An organization or economic system where goods and services are exchanged for one another or for money.

Every business requires some form of investment and enough customers to whom its output can be sold on a consistent basis in order to make a profit.

Businesses can be privately owned, not-for-profit or state-owned.

Source: http://www.businessdictionary.com/definition/business.html



#### ΑΡΙ

- API Application Programming Interface ??
  - There is an application
  - I can programm it
  - It's an interface for purposes/problems







#### API – Relevant?



- Organization / System
- Economic: Goods / Services
- Self & for others
- Exchange
- Investment
- Customers
- Consistent
- Make Profit
- Private/non-Profit/State-Owned

- [SAP,Google,Facebook,Twitter]
- [Car Synced]
- [People Centred]
- [Two Side Operations ,Trust]
- [Skills, Tech, HW, SW, Infrastructure]
- [The audience]
- [Same for all, Standards]
- [Keep living]
- [{User,PW}, {Public}, {Mix}]



#### API

- Keys / Secrets
- Endpoints
- Formats
- Purpose



#### OpenUI5/SAPUI5







### Social API's



#sitBERN?





Meeting?

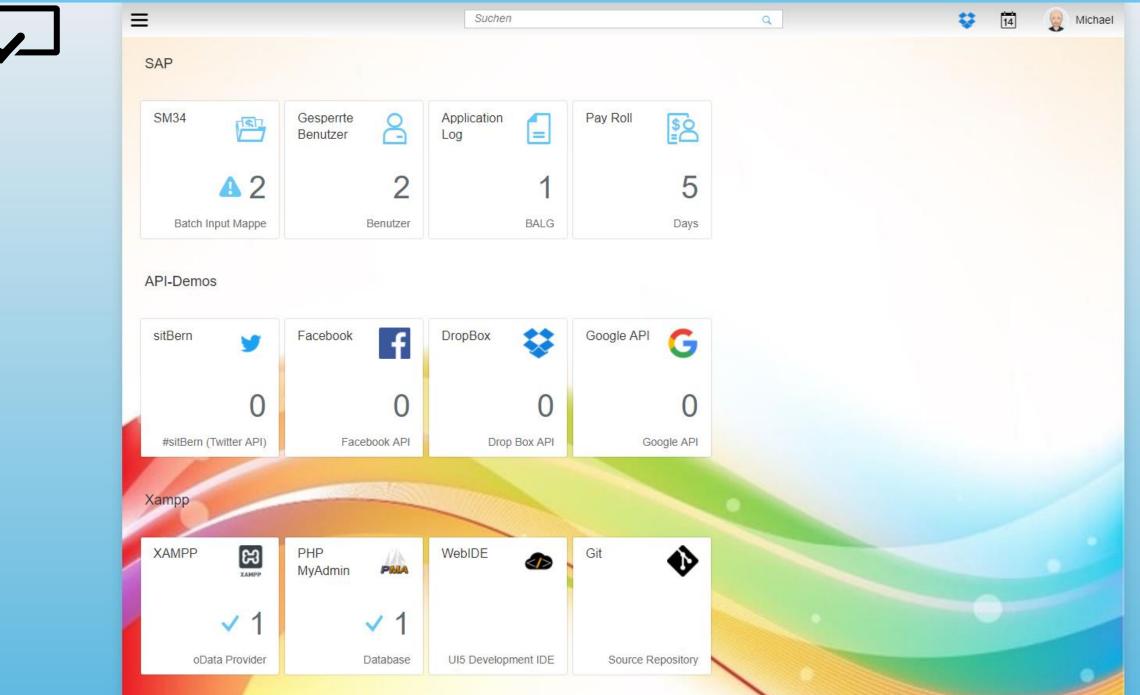




Files?









#### Fiori Launchpad - Basics

- UI5 Application / Bootstrap
- Container / DOM Hook
- Shell
- Services (Built in)
- App Container
- Header Information
- oData based

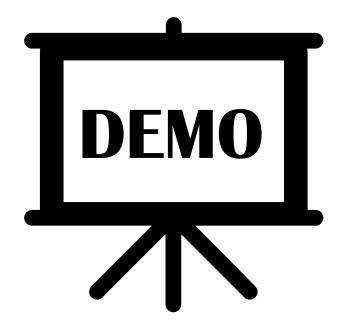
```
<script scr="" />
<div id="content« />
<div<div<div/>/>/>
sap.ui.shell.<service>
sap.m.*
sap.ui.shell.<header>
sap.ui.model.<model>
```



#### Fiori Launchpad - Basics

```
<!DOCTYPE html>
<html>
<head>
<meta http-equiv='X-UA-Compatible' content='IE=edge' />
<title>Hello World</title>
<script id='sap-ui-bootstrap'</pre>
   src='resources/sap-ui-core.js'
   data-sap-ui-theme='sap_belize'
   data-sap-ui-libs='sap.m'
   data-sap-ui-compatVersion='edge'
   data-sap-ui-preload='async'>
</script>
<script>
    sap.ui.getCore().attachInit(function () {
         jQuery("#content").html("Hello World - UI5 is ready");
    });
</script>
</head>
<body class='sapUiBody'>
    <div id='content'></div>
</body>
</html>
```







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@albrechtmi

```
<script language="javascript">
     console.log("thank you for your attention - enjoy #sitBern");
</script>
```





- Scope
- Insights
- Demo





```
"d": {
        "Questions": [
                "What do you want to see?",
                "Where do can you select the data?",
                 "Who has a benefit of the kpi",
                 "Can i improve processes?"
        ],
"Answers": [
                 "Generic Tiles with KPI",
                "Custom Tiles",
                 "Graph Tiles"
        "Remeber": [
                 "Select Count",
                "lines()",
                 "Refresh Intervals",
                 "Errors",
                 "Web Server!",
                "Reuse"
```













- SEGW => Build Service Entity Add a solution & operation to the key ;) = Metadata
- Generate funtime objects ☺ (runtime indeed) = DPC /DPC\_EXT
- Implement factory using solution & operation as key = <NS>/CL\_FLP\_KPI\_FACTORY
- Build Customizing Table = Reuse Implementation
- Get Entity Data
- \*DPC\_EXT->GET\_ENTITY( iv\_solution = 'solution', iv\_operation='operation') The solution
- Object(type cus)->(method\_1)[params] sample
- Build Classes / Add Customizing / Add Tiles



endmethod.

Implement factory using solution & operation as key = <NS>/CL\_FLP\_KPI\_FACTORY object = <NS>/CL\_FLP\_FACTORY=>CREATE( Exporting iv\_solution = 'Solution' iv\_operation = 'KPI\_xyz' ). method create. select from [solutiontab] into ls\_cus where solution = iv solution and operation = iv\_operation. //Error Handling create object rr\_object type (ls\_cus-class)



• Build Customizing Table = Reuse Implementation

SOLUTION	OPERATION	CLASS	METHOD
SOLUTION	KPI_xyz	<ns>/CL_<blubber></blubber></ns>	METHOD_1
SOLUTION	KPI_xyz2	<ns>/CL_<blubber2></blubber2></ns>	METHOD_n



Get Entity Data

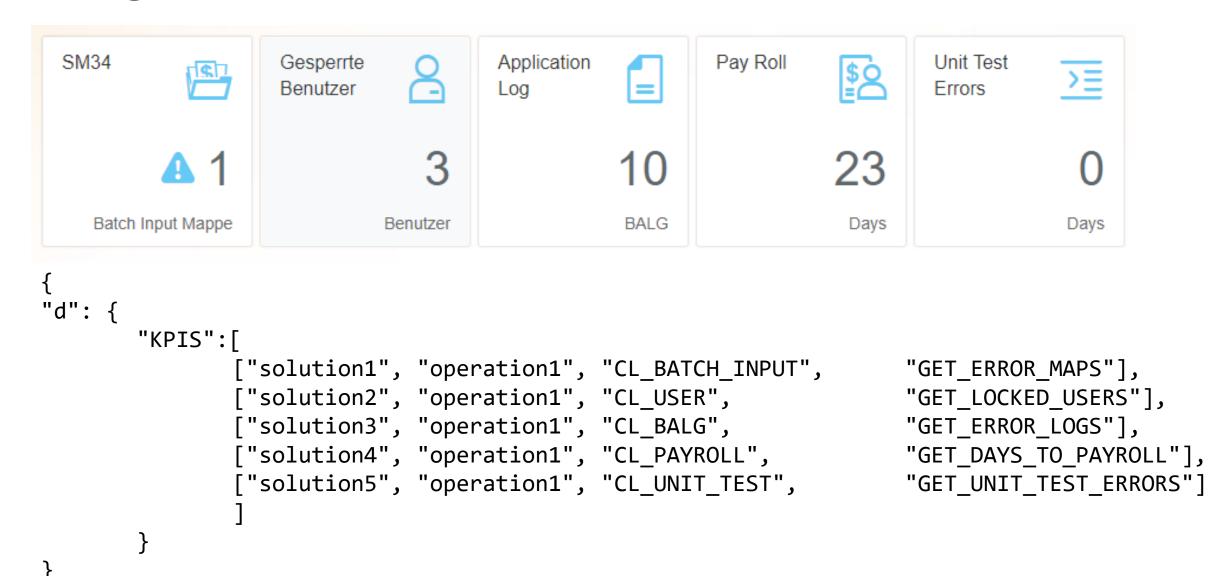


```
*DPC EXT->GET_ENTITY( iv_solution = 'solution', iv_operation='operation' ) — The solution
//GET OBJECT INSTANCE OF KPI CLASS IMPLEMENTATION
                try.
                        er_entity = object->(method_1)[params].
                catch <exc> into lr_error.
                        uupps!
                        -> fill entity with error info (solution, operation)
                endtry.
//CALL THE OBJECT METHOD
                try.
                        er_entity = object->(method_1)[params].
                catch <exc> into lr_error.
                        uupps!
                        -> fill entity with error info (solution, operation)
                endtry.
```

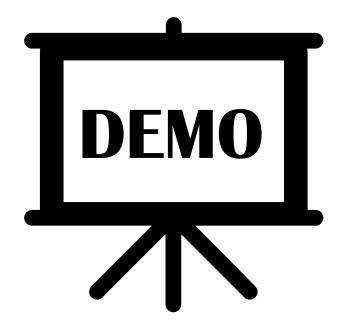


```
er_entity = object->(method_1)[params].
//SELECT APPLICATION LOG ENTRIES
        SELECT COUNT(*) <BALG_TABLE> INTO er_entity-number WHERE <CONDITIONS>
//TEXT FOR TILE
        er_entity-title = 'BLUBBER'
//STATES
        er_entity-stat = mc_success.
//WHATEVER YOU LIKE
        er entity-.... = .....
RETURN.
```











Albrecht Michael (SAP Senior Developer @ IT Post)



@albrechtmi

```
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```