

Introduction to Enterprise Mobile Apps with SAP & Neptune Planet 8

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Agenda

- Introduction
- Enterprise Mobile Apps ?
- Case Study
- Neptune Planet 8
 - Design
 - Development
 - Deployment
 - Packaging
- Demo



TYPES OF MOBILE APPS

Native Apps



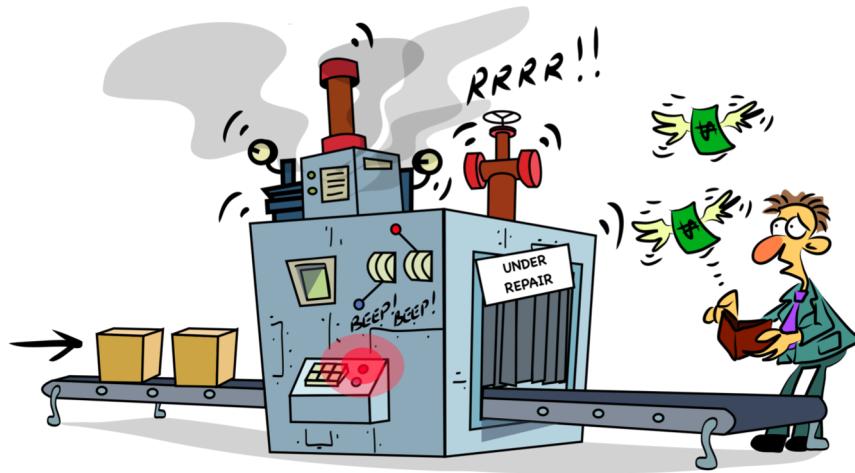
Web Apps



Hybrid Apps



Enterprise Mobile Applications



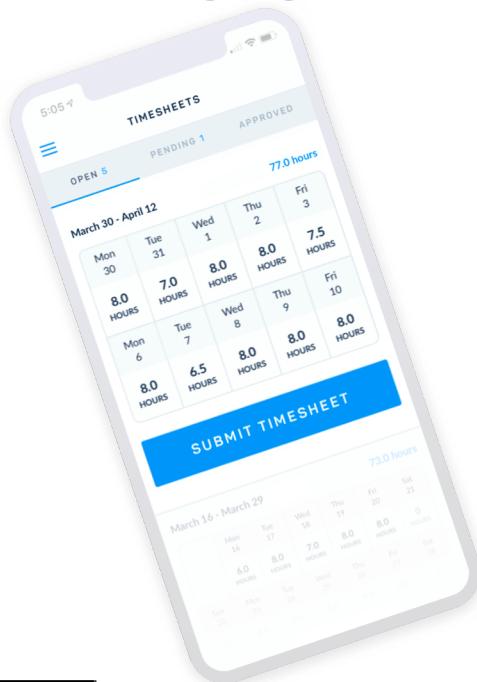
Plant Maintenance



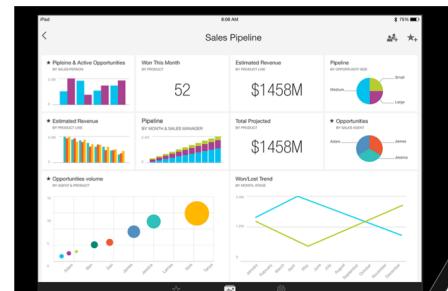
Inventory Management

6/18/21

Field Service Engineers

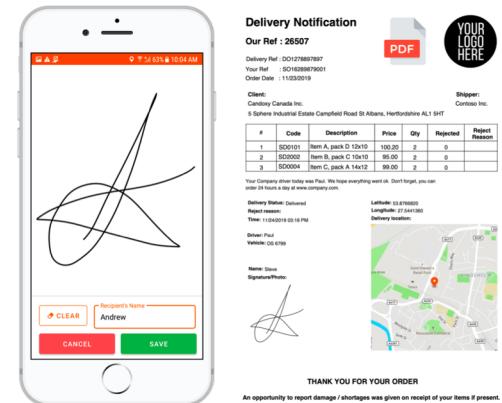


Warehouse Management



Analytics Dashboard

Show some love by Tweeting with #SAPStammtischIndia

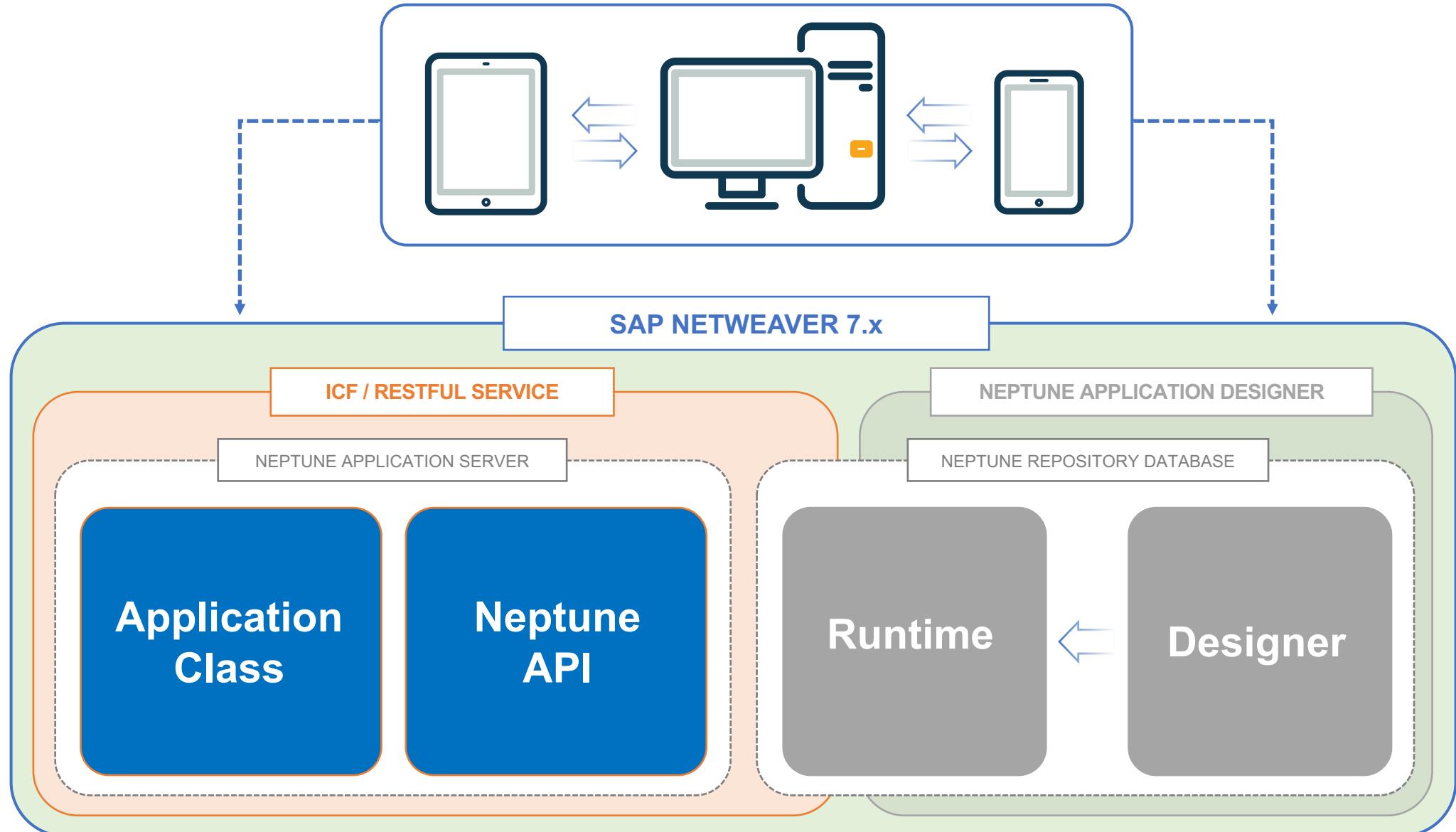


Proof of Delivery (VLPOD)

Case Study – SAP Mobile Apps in Warehouse

DEMO

Neptune Planet 8 – Architecture Overview



Design

The screenshot shows the SAP Fiori Design Studio interface with the following components:

- Left Sidebar:** A tree view of available components under "Favorites" and various SAP namespaces like sap.f, sap.m, etc.
- Middle Column:** A hierarchical tree view of the current component structure:
 - HTML5 Document
 - oShell
 - oApp
 - searchPage (selected)
 - searchForm
 - lblsearchForm
 - insearchForm
 - Footer
 - Right
 - butSearch
 - listPage
 - detailPage
- Preview Area:** Displays a list of items from the searchPage component, showing two columns: a numeric ID and a name.

540	Agnes Iams
472	Agnes Varda
473	Albert Brooks
541	Albert Fisher
470	Alex Lynch
565	Andrew Webber
261	Andrew Williams
- Right Panel:** Configuration details for the selected component (sap.m.Page).
 - Name:** searchPage
 - Description:** (empty)
 - Model Source:** (empty)
 - Ajax ID:** (empty)
 - Do not add to View, only declare** (checkbox)
 - Events:** A table with columns "Attribute" and "Value".

Attribute	Value
ajaxError	
ajaxSuccess	
cacheInitLoadFinish	
navButtonPress	
 - Model:** A table with columns "Attribute" and "Value".

Attribute	Value
setCacheGlobal	false
setCacheType	
setCacheUserBase	false
setEnableCache	false
setEnableEncryption	false

Develop

The screenshot shows the SAP IDE interface with the 'Class' tab selected. The code editor displays the following ABAP code:

```
11 *** public declarations
12 class zcl_nad_mds_customer definition
13   public
14   final
15   create public .
16
17  public section.
18
19   interfaces /neptune/if_nad_server .
20
21  types: begin of ty_tvtwt,
22
23  types: begin of ty_customer,
24
25  types:begin of ty_selection,
26
27  types: begin of ty_organization,
28
29  data wa_selection type ty_selection.
30  data wa_organization type ty_organization.
31  data wa_customer type ty_customer.
32  data it_customer type standard table of ty_customer.
33  data it_tvkot type standard table of tvkot.
34  data it_tvtwt type standard table of ty_tvtwt.
35  data it_tspat type standard table of tspat.
36  data it_tpart type standard table of tpart.
37
38 *** protected declarations
39
40 protected section.
41
42 *** private declarations
43
44 private section.
45
46 methods INIT .
47 methods SYNC .
48
49 methods SEARCH
50   importing
51     !AJAX_VALUE type STRING optional .
52
53 endclass. "ZCL_NAD_MDS_CUSTOMER definition
54
```

A yellow box highlights the declaration of the `wa_selection`, `wa_organization`, `wa_customer`, and `it_customer` data structures. A red box highlights the `interfaces /neptune/if_nad_server .` line. A callout bubble points from the highlighted code area to the text: "Will be available in the Neptune App for data binding".

Deploy

Display Customer Master Data

Selection

General

Role:

Name:

City:
Denver

Street:

Organization

Sales Organization:

Distribution Channel:

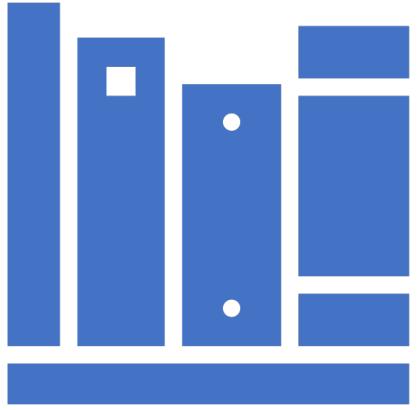
Division:

Result List

Customer Search 821 ENTRIES

Customer	Name
300025	01Megastore
300026	02Megastore
300026	02Megastore
300026	02Megastore
300027	03MegaStore
300027	03MegaStore
300027	03MegaStore
300028	04MegaStore
300028	04MegaStore
300028	04MegaStore
300029	05MegaStore

DEMO



Thanks