



# Apresentação WS REMOTO SAP FIORI Hana Cloud Platform

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# 01 Conceitos On-Premise

# Evolução ERP

## ERP SAP:

- R2→R3(46C)→ECC(6.0)→EHPX(1-8) →S/4 HANA(AAMM)

## Banco de Dados

- SQL, DB2, Oracle, HANA

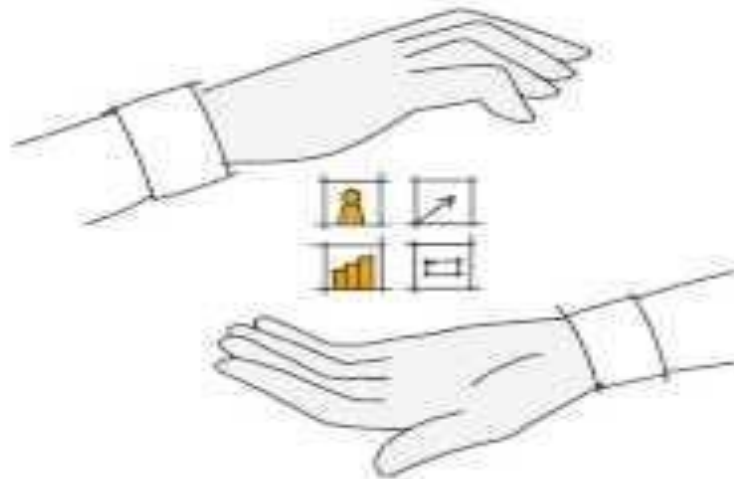
## Diferencial Conceitos HANA

ECC(EHP) on HANA <> ERP S/4 HANA

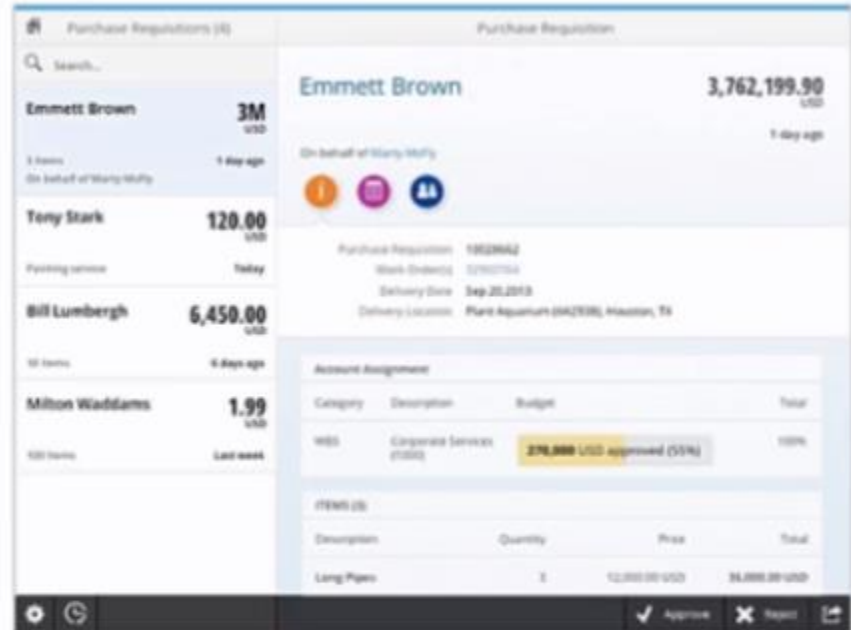
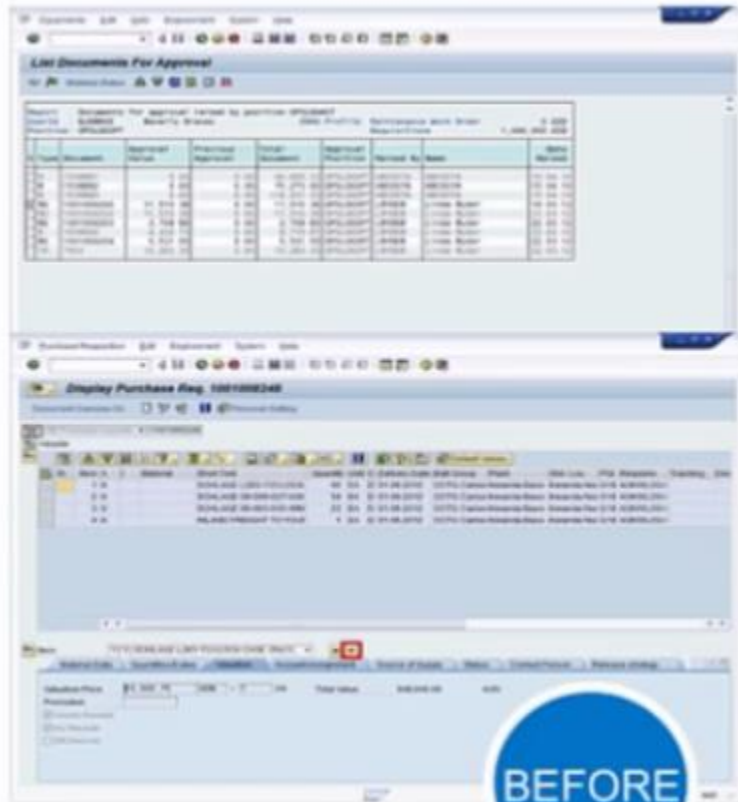
Database on HANA-Simple Finance → S/4 (FIN+Logistic)

# 02 Evolução Cloud

Evolução da Tecnologias  
Simplificação



# UX - User Experience



## Sopa de Letras e os significados

- UX = User Experience
- SAP Fiori
- SAPUI5 / UI5
- SAP WEB IDE
- Eclipse (Mars, Neon..)
- HTML5 , Java
- Odata
- HCP Cockpit (Portal Centralizado Serviços)



## UI5 - Application

- UI5 is SAP own user interface to develop web application.
- UI5 is now a days is getting popular to outside of SAP to build NON-SAP application also.
- UI5 uses web technologies like HTML, CSS and JavaScript.

## Build

<https://www.build.me>

## WEB IDE

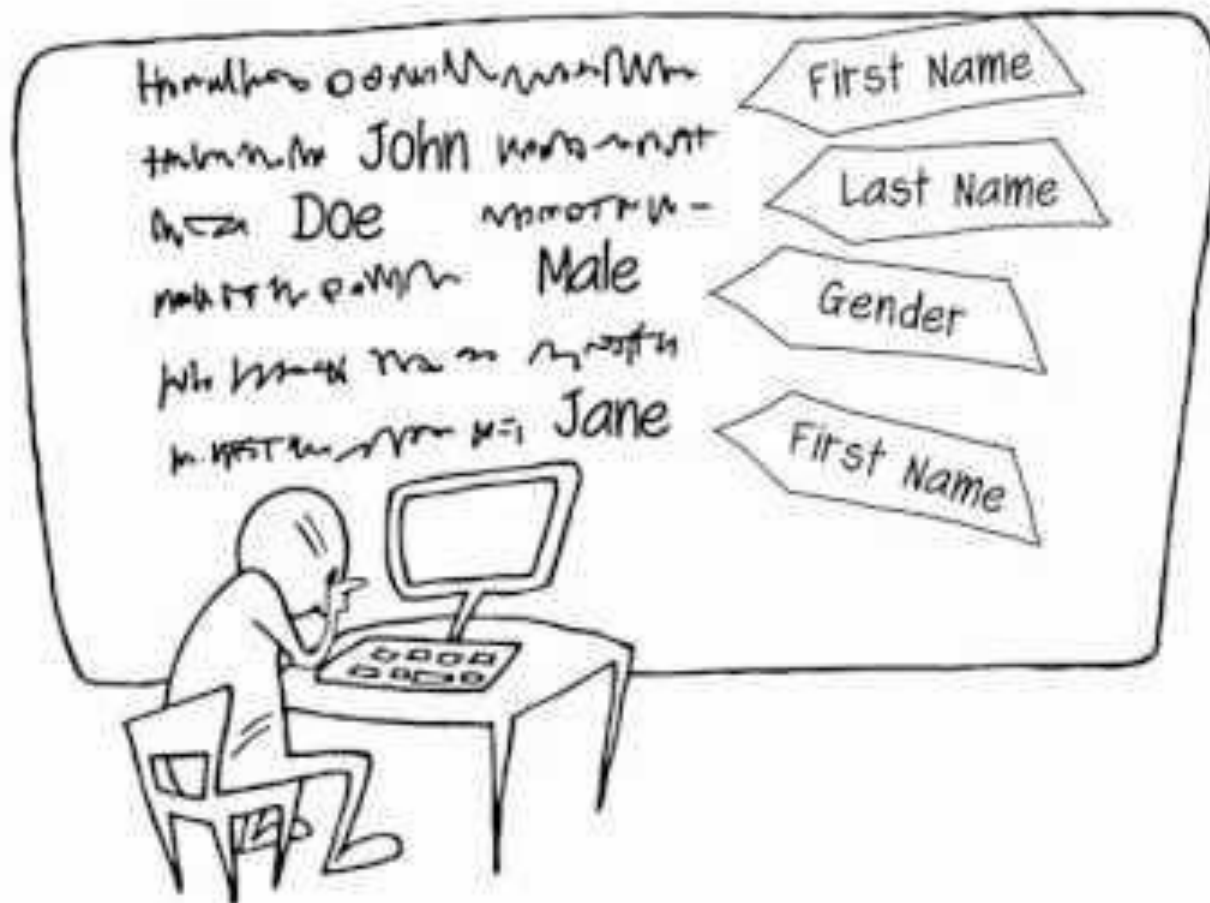
## Genexus

## Eclipse

- **What's the difference between SAP Fiori and SAPUI5?**
  - o **SAP Fiori UX** the new user experience for SAP software, enabling an adaptive, personalized, and satisfying experience across devices. **SAPUI5** is a UI Framework used to build user interfaces.
- **When do you recommend to use SAP Web IDE and when SAP Eclipse extensions?**
  - o **SAP Web IDE** is the recommended tool for developing any **SAP Fiori** and **SAPUI5** app. SAP will focus its investment in SAP Web IDE since it provides a simple development process with rich out-of-the-box capabilities.
  - o **Eclipse** tools are still supported and developed. Generally speaking, in the context of building SAP Fiori and SAPUI5-based applications, Eclipse should be used more on the server-side development (e.g. service creation).

# Odata

Nova integração de leitura Banco



## Resumo: ODATA – Open Data (2007)

- Método Webservice X Odata
- Protocolo de transmissão de dados baseado em interface **REST** (**RE**presentational **S**tate **T**ransfer) que é utilizada pelos browsers na porta HTTP (8080).
- *[www.odata.org/documentation/](http://www.odata.org/documentation/)*

Similar aos comando de SQL via URL

```
http://host/service/Products?$select=*
```

### 5 Query Options

#### 5.1 System Query Options

5.1.1 System Query Option `$filter`

5.1.2 System Query Option `$expand`

5.1.3 System Query Option `$select`

5.1.4 System Query Option `$orderby`

5.1.5 System Query Options `$top` and `$skip`

5.1.6 System Query Option `$count`

5.1.7 System Query Option `$search`

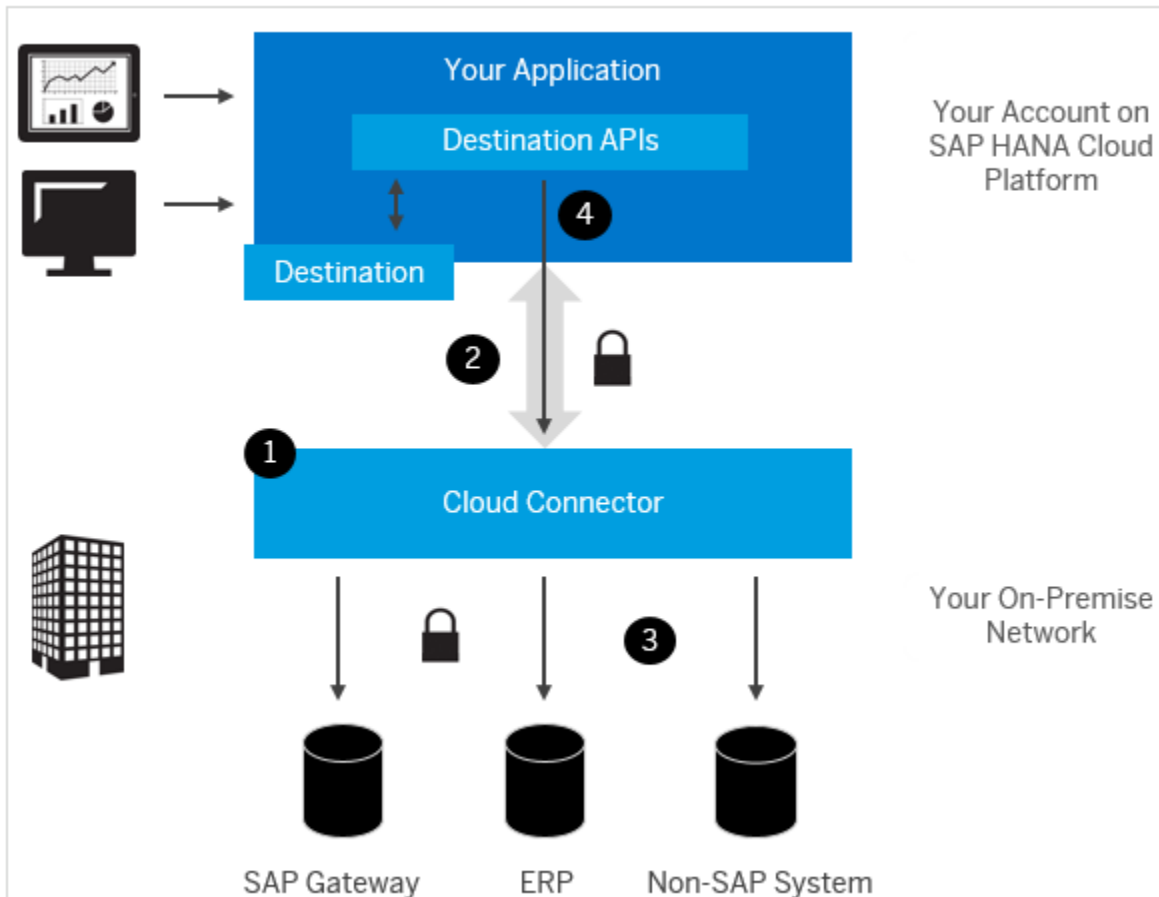
5.1.8 System Query Option `$format`

.....

# Hana Cloud Connector

## • Conexão do SAP ECC x Portal HCP

Connecting Cloud Applications to On-Premise Systems



1. [Install the cloud connector.](#)
2. **Set up mutual authentication between the cloud connector and a back-end system:**

[Initial Configuration](#)

[Initial Configuration \(HTTP\)](#)

[Initial Configuration \(RFC\)](#)

3. **Allow your Web application to access a back-end system on the intranet:**

[Configuring Access Control \(HTTP\)](#)

[Configuring Access Control \(RFC\)](#)

4. **Connect your Web application to an on-premise system:**

[Consuming Back-End Systems \(Java Web or Java EE 6 Web Profile\)](#)

[Tutorial: Invoking ABAP Function Modules in On-Premise ABAP Systems](#)

# Link de Ferramentas para Download

<https://tools.hana.ondemand.com/>

## SAP HANA Cloud Connector

The SAP HANA Cloud connector is an optional on-premise component that is needed to integrate on-demand applications with customer backend services.

For more information, see the SAP HANA Cloud connector [documentation](#).

**Note:** The Portable archives for SAP HANA Cloud connector 2 are meant for non-productive scenarios only. They can be used even if you don't have administrator permissions on the machine, on which you like to use the Cloud Connector. However, those variants do not support upgrades from previous versions.

**Note:** SAP HANA Cloud connector 1.x versions have been [deprecated](#) and have been **removed**.

Available SAP HANA Cloud Connectors

| Operating System*   | Architecture | Version | File Size | Download                                        |
|---------------------|--------------|---------|-----------|-------------------------------------------------|
| Linux               | x86_64       | 2.9.0.2 | 61.8 MB   | <a href="#">sapcc-2.9.0.2-linux-x64.zip</a>     |
| Linux (Portable)    | x86_64       | 2.9.0.2 | 62.4 MB   | <a href="#">sapcc-2.9.0.2-linux-x64.tar.gz</a>  |
| Mac OS X (Portable) | x86_64       | 2.9.0.2 | 62.3 MB   | <a href="#">sapcc-2.9.0.2-macosx-x64.tar.gz</a> |
| Windows             | x86_64       | 2.9.0.2 | 63.8 MB   | <a href="#">sapcc-2.9.0.2-windows-x64.msi</a>   |
| Windows (Portable)  | x86_64       | 2.9.0.2 | 61.8 MB   | <a href="#">sapcc-2.9.0.2-windows-x64.zip</a>   |

\*Read the [prerequisites](#) page of the documentation in order to inform yourself about the supported operating system versions and JVMs.

## SAP JVM

The SAP JVM is a prerequisite for local profiling with the SAP JVM Profiler. It is a standard compliant certified JDK, supplemented by additional supportability and developer features and extensive monitoring and tracing facilities. For more information, see the [SAP JVM documentation](#).

Available SAP JVMs

| Operating System* | Architecture | Version | File Size | Download                                     |
|-------------------|--------------|---------|-----------|----------------------------------------------|
| Linux             | x86_64       | 6.1.090 | 99.9 MB   | <a href="#">sapjvm-6.1.090-linux-x64.zip</a> |
| Linux             | x86_64       | 6.1.090 | 98.0 MB   | <a href="#">sapjvm-6.1.090-linux-x64.rpm</a> |

# 03 SAP FIORI

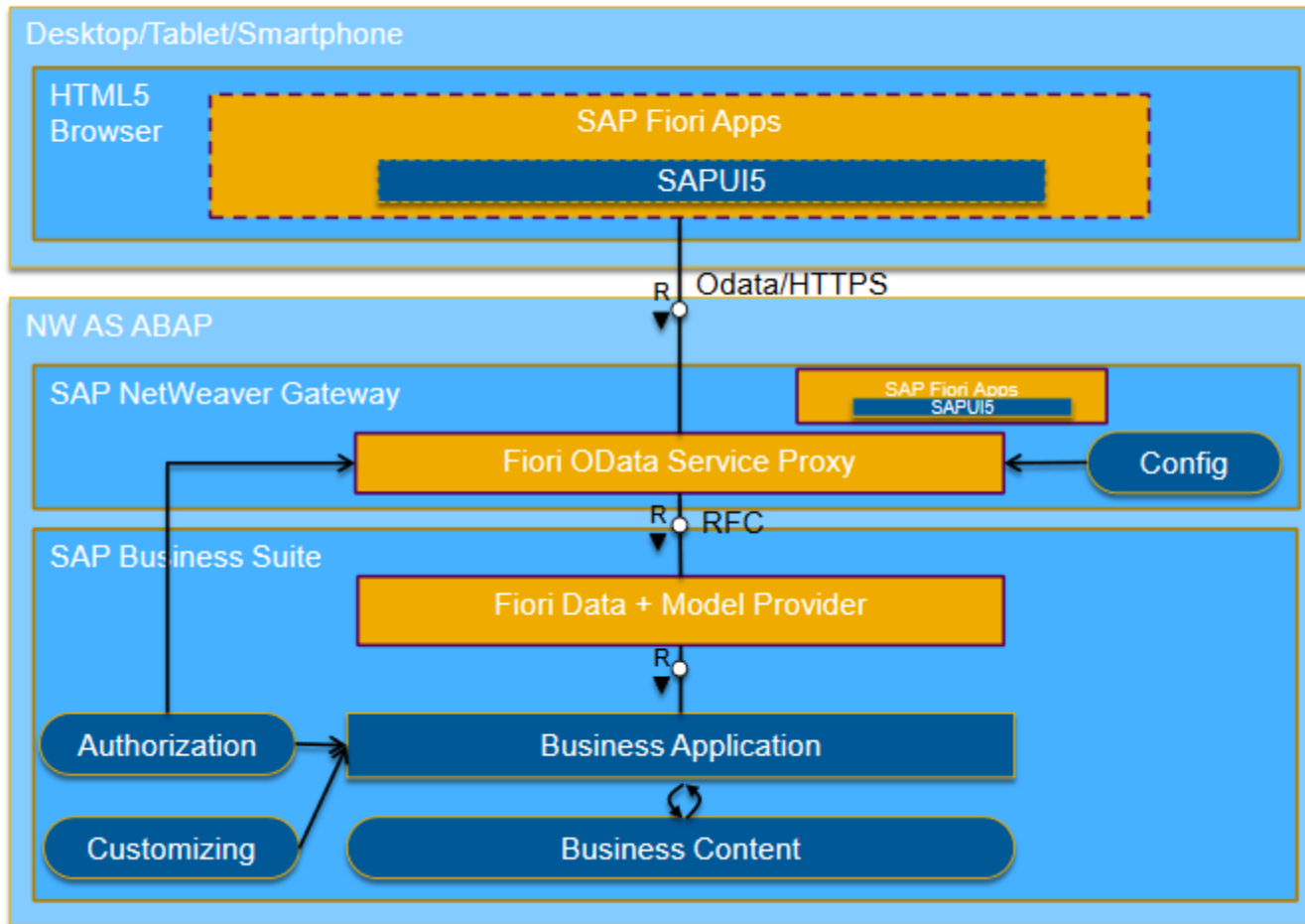
Solução “Standard SAP” Apps

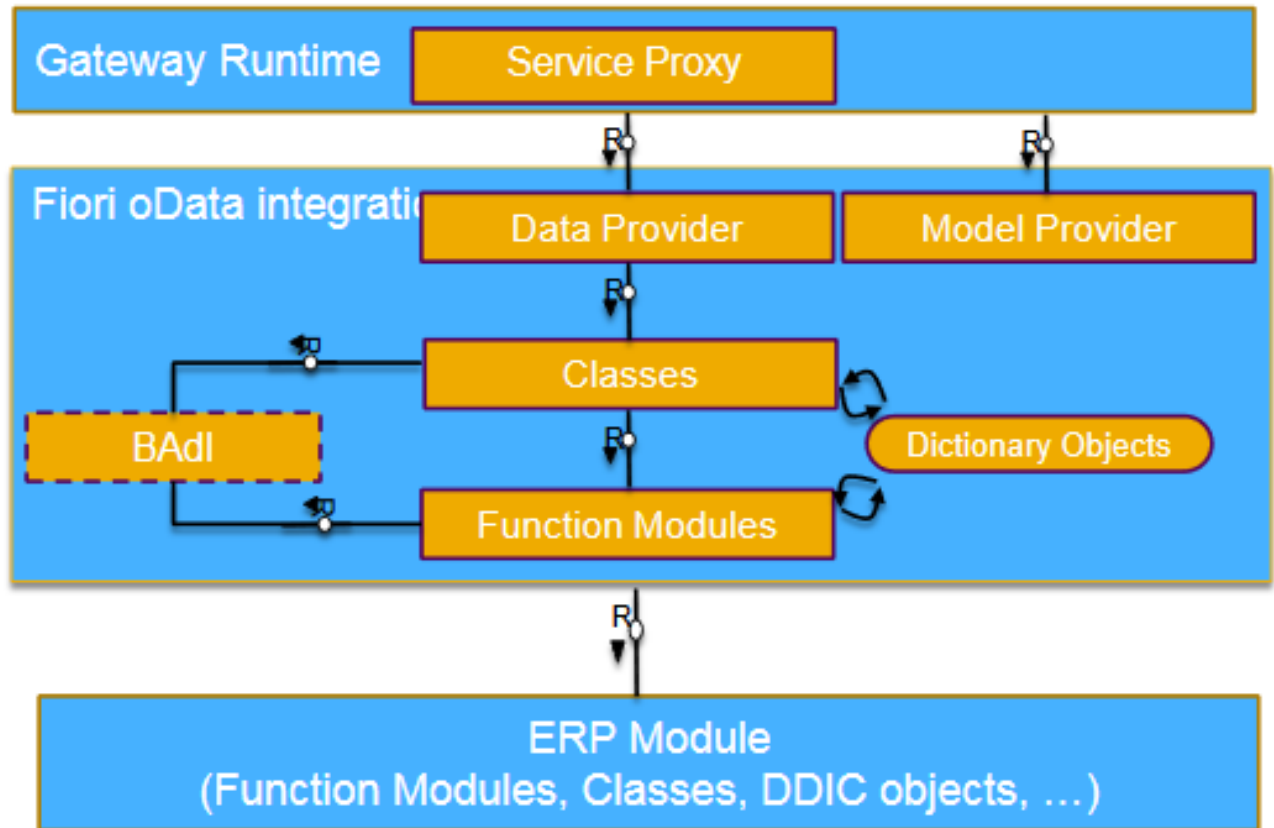
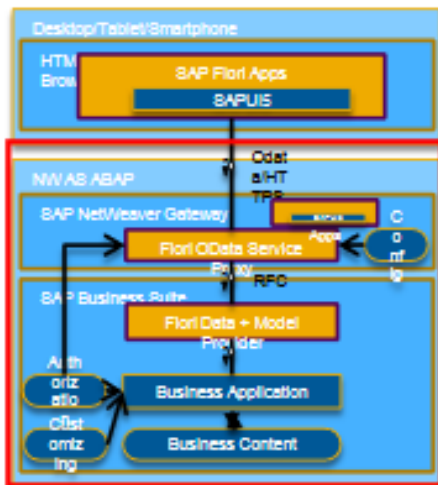


# Arquitetura Fiori

## Architecture Overview

Fiori components





Components:  
SRA### 100

# Componentes necessários

## Prerequisites: Minimal stack definition

For details, look at the Installation Guide.

| Component        | Version                                                 | Comments                                                                                                                                                                   |
|------------------|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NW               | SAP_BASIS 7.00 SPS21 and above                          | Prerequisites Notes 1774246, 1799549, 1805986, 1754533, 1809628                                                                                                            |
| ERP              | 6.0 SPS 15 and above                                    | 6.0 SPS 15 and above<br>6.0 EnhP2 SPS 06 and above<br>6.0 EnhP3 SPS 05 and above<br>6.0 EnhP4 SPS 05 and above<br>6.0 EnhP5 SPS 03 and above<br>6.0 EnhP6 SPS 01 and above |
| GW Server        | GW_CORE 200 SP06<br>IW_FND 250 SP06<br>IW_PGW 1.00 SP03 | Notes 1799722 + 1805831<br>JSON - IWFND 2.50 (NW 7.02) SP 04 with SAP Note 1648418                                                                                         |
| GW BEP           | IW_BEP 2.0 SP06                                         | JSON - IWFND 2.40** (NW 7.00 on 7.20 Kernel with SAP Note 1648418                                                                                                          |
| SAPUI5 – Runtime | UISAPUI5 100 SP04<br>UI_INFRA 100 SP04                  | SAP UI5 Library v 1.10                                                                                                                                                     |
| Design time      | UI2_7XX 100 SP04<br>UI2_FND 100 SP04                    |                                                                                                                                                                            |

# Versão EHP7 e EHP8

In SAP NetWeaver 7.4, components **GW\_CORE**, **SAP IW\_FND**, **IW\_BEP**, and **IW\_HDB** are replaced with the new software component SAP **GW\_FND** (SAP Gate-way Foundation SP 10). So, if you're in SAP NetWeaver 7.4, you don't have to install any additional software component because it's already included in SAP NetWeaver 7.4.

## **Activate SAP Gateway**

SRA017 → Included APPL - EHP8

# Conceitos Configuração Fiori

# SAP Fiori UX Configuration Overview

## Configuration Overview

| Configuration Task                | Transactional Apps | Factsheets | Analytical Apps |
|-----------------------------------|--------------------|------------|-----------------|
| Configure Front-End Server        | ✓                  | ✓          | ✓               |
| Configure Back-End Server         | ✓                  | ✓          | ✓               |
| Create Search Connectors for Apps | ✗                  | ✓          | ✗               |
| Configure Access to SAP HANA Data | ✗                  | ✗          | ✓               |

# SAP Fiori UX Configuration Overview

## Configuration Tasks on Front-End Server

| Configuration Task                                                | Transactional Apps | Factsheets | Analytical Apps |
|-------------------------------------------------------------------|--------------------|------------|-----------------|
| Activate ICF Services of SAPUI5 application                       | ✓                  | ✓          | ✓               |
| Activate OData services                                           | ✓                  | ✓          | ✗               |
| Copy template business role to create role with launchpad catalog | ✓                  | ✓          | ✓               |
| Add start authorizations for OData service to business role       | ✓                  | ✓          | ✓               |
| Assign role with OData service authorization to users             | ✓                  | ✓          | ✓               |
| Assign authorization role                                         | ✗                  | ✓          | ✗               |



# SAP Fiori UX Configuration Overview

## Configuration Tasks on Front-End Server

| Configuration Task                                                | Transactional Apps | Factsheets | Analytical Apps |
|-------------------------------------------------------------------|--------------------|------------|-----------------|
| Activate ICF Services of SAPUI5 application                       | ✓                  | ✓          | ✓               |
| Activate OData services                                           | ✓                  | ✓          | ✗               |
| Copy template business role to create role with launchpad catalog | ✓                  | ✓          | ✓               |
| Add start authorizations for OData service to business role       | ✓                  | ✓          | ✓               |
| Assign role with OData service authorization to users             | ✓                  | ✓          | ✓               |
| Assign authorization role                                         | ✗                  | ✓          | ✗               |

# SAP Fiori UX Configuration Overview

## Configuration Tasks on Back-End Server

---

| Configuration Task                                   | Transactional Apps | Factsheets | Analytical Apps |
|------------------------------------------------------|--------------------|------------|-----------------|
| Assign RFC authorization to user                     | ✓                  | ✓          | ✓               |
| Assign role with OData service authorization to user | ✓                  | ✓          | ✓               |

# SAP Fiori UX Configuration Overview

## Configuring Access to SAP Hana Data

| Configuration Task                       | Transactional Apps | Factsheets | Analytical Apps |
|------------------------------------------|--------------------|------------|-----------------|
| Synchronize SAP HANA database data       | ✗                  | ✗          | ✓               |
| Assign roles for accessing SAP HANA data | ✗                  | ✗          | ✓               |
| Create analytic privilege                | ✗                  | ✗          | ✓               |
| Model KPIs                               | ✗                  | ✗          | ✓               |
| Configure targets for KPIs               | ✗                  | ✗          | ✓               |

# 04 Implementação Ambiente WS Remoto

# Catálogo Biblioteca FIORI

[www.sap.com/fiori-apps-library](http://www.sap.com/fiori-apps-library)

[https://fioriappslibrary.hana.ondemand.com/sap/fix/externalViewer/#/detail/Apps\(%27F0402%27\)/W13](https://fioriappslibrary.hana.ondemand.com/sap/fix/externalViewer/#/detail/Apps(%27F0402%27)/W13)

## App Details

### Front-End Components

|                               |                                                                                                                                                                                                                                  |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Version               | <a href="#">FIORI ERP APPLICATIONS X1 1.0</a><br>SAP Fiori principal apps 1.0 for SAP ERP                                                                                                                                        |
| Support Package Stack         | 10(07/2016)                                                                                                                                                                                                                      |
| Software Component Version    | UIX01EAP 100 - SP 9                                                                                                                                                                                                              |
| Prerequisite for installation | FIORI ERP APPLICATIONS X1 1.0 - SPS 10(07/2016)<br>is an <i>Add On</i> to<br>SAP FIORI FRONT-END SERVER 2.0 - SPS 01 (12/2015) <i>or</i><br>SAP GATEWAY 2.0 - SPS 09 (07/2014) <i>or</i><br>SAP NETWEAVER 7.4 - SPS 04 (09/2013) |

### Back-End Components (ABAP)

|                       |                                                                                                                                                                                          |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Version       | <a href="#">EHP8 FOR SAP ERP 6.0</a><br>SAP enhancement package 8 for SAP ERP 6.0 <i>or</i><br><a href="#">FIORI ERP APPLICATIONS X1 1.0</a><br>SAP Fiori principal apps 1.0 for SAP ERP |
| Support Package Stack | 03 (08/2016) FP<br>10(07/2016)                                                                                                                                                           |

# Internet Communication Framework (ICF)

## →Ativar o componente SICF

Transaction SICF is used to maintain services for HTTP communication in the SAP system using the *Internet Communication Manager (ICM)* and the ICF. This is a software layer in the application server that provides an ABAP interface for HTTP, HTTPS, and SMTP requests.

### SAPUI5 Application

The ICF nodes for the following SAPUI5 application must be activated on the front-end server:

| Component          | Technical Name | Path to ICF Node              |
|--------------------|----------------|-------------------------------|
| SAPUI5 Application | MM_PO_APV      | /sap/bc/ui5_ui5/sap/mm_po_apv |

# Ativar serviço

**Atualização dos serviços**

Filtro para chamada da hierarquia ICF

|                         |                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------|
| Categoria de hierarquia | SERVICE                                                                                     |
| Host virtual            |                                                                                             |
| Caminho do serviço      |                                                                                             |
| Nome de serviço         | mm_po_apv  |
| Serviço de referência   |                                                                                             |
| Descrição               |                                                                                             |
| Idioma                  | PT Português ▼                                                                              |

| Hosts/serviços virtuais | Documentação                               | Serviço |
|-------------------------|--------------------------------------------|---------|
| ▼ default_host          | HOST DEFAULT VIRTUAL                       |         |
| ▼ sap                   | Espaço de nomes SAP; SAP responsabiliza... |         |
| ▼ bc                    | Árvore de base (funcionalidades de base)   |         |
| ▼ bsp                   | BUSINESS SERVER PAGES (BSP) TEMPO D...     |         |
| ▼ sap                   | NAMESPACE SAP                              |         |
| • mm_po_a               |                                            |         |
| ▼ ui5_ui5               | UI5 Aplicação SA...                        |         |
| ▼ sap                   | a aplicações SAP...                        |         |
| • mm_po_a               |                                            |         |

Subelemento novo

Exibir serviço

EliminarServiço

Renomear serviço

Ativar serviço

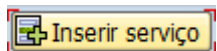
## → Ativar Odata

### /n/IWFND/MAINT\_SERVICE

#### OData Services

The following OData services must be activated on the front-end server.  
Users require PFCG authorization for the front-end and back-end systems.

| oData Service    | Version | Back-End Authorization Role (PFCG) |
|------------------|---------|------------------------------------|
| GBAPP_POAPPROVAL | 001     | SAP_MM_PO_APV_APP                  |



***Inserir serviços selecionados***

Obter serviços

Filtro

|                         |                  |              |
|-------------------------|------------------|--------------|
| Alias do sistema        | LOCAL            |              |
| Nome serviço técnico    |                  | Versão       |
| Nome do serviço externo | GBAPP_POAPPROVAL | ID de mapear |



# Confirmar ativação ODATA

Chamar browser

Nó ICF

Chamar browser

SAP Gateway Client

Nós ICF

| Status | Nó ICF | Timeout de sessão estado soft | Descrição |
|--------|--------|-------------------------------|-----------|
|        | ODATA  | 00:00:00                      |           |

Adic.alias sistema

Remov.alias sistema

Customizing

Implementação de serviço

Alias do sistema

| SAP System Alias | Description        | Default                             | Metad                    |
|------------------|--------------------|-------------------------------------|--------------------------|
| LOCAL            | Local System Alias | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

## Se16 – verificar geração do HASH

### Tabela USOBHASH exibir

NAME 70059CCC4BFBD2E584573912FDDEE

TYPE HT

PGMID R3TR

OBJECT IWSG

OBJ NAME ZGBAPP\_POAPPROVAL\_0001

SERVICE TYPE

SERVICE

## PFCG

### Technical Configuration

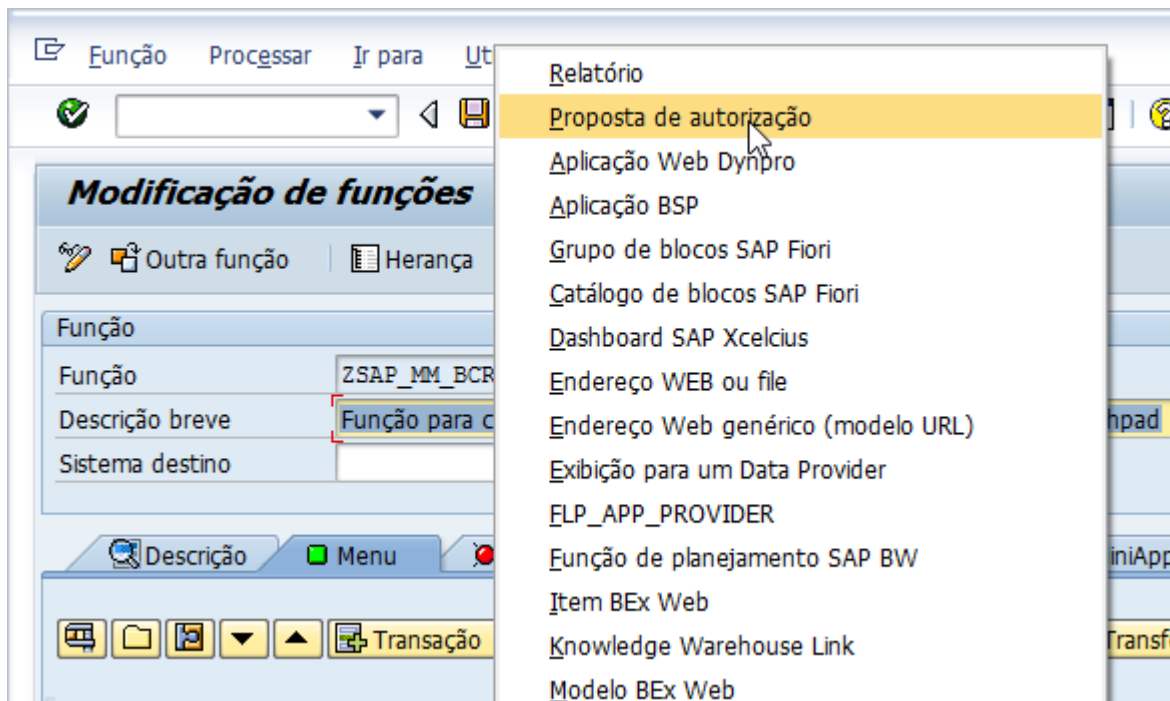
|                                 |                              |
|---------------------------------|------------------------------|
| Technical Catalog               | SAP_MM_TC_T_X1               |
| Technical Catalog Description   | SAP: MM - Transactional Apps |
| PFCG Role for Technical Catalog | SAP_MM_TCR_T_X1              |
| LPD_CUST Role                   | UIX01MM                      |
| LPD_CUST Instance               | TRANSACTIONAL                |
| SAPUI5 Application              | MM_PO_APV                    |

 Copiar tudo

Consulta

Entrada fonte/destino

|             |                      |
|-------------|----------------------|
| De função   | SAP_MM_BCR_BUYER_X1  |
| Após função | ZSAP_MM_BCR_BUYER_X1 |



Inserir Objeto do ODATA service  
Mudar TADIR e IWSG Gatewat - Metadata

| Serviço                |                                           |
|------------------------|-------------------------------------------|
| Proposta autorização   | HT Serviço TADIR                          |
| ID programa            | R3TR                                      |
| Tp.objeto              | IWSG SAP Gateway: Service Groups Metadata |
| Serviço TADIR          | Txt.                                      |
| ZGBAPP_POAPPROVAL_0001 |                                           |

| Informação para perfil de autorização |                                                                                              |
|---------------------------------------|----------------------------------------------------------------------------------------------|
| Nome perfil                           | T-WR660011  |
| Txt.perfil                            | Perfil para a função ZSAP_MM_BCR_BL                                                          |
| Status                                | O perfil de autorização é atual.                                                             |

| Atualizar dados de autorização e gerar perfis                                     |                                |
|-----------------------------------------------------------------------------------|--------------------------------|
|  | Modificar dados de autorização |

### Modificar função: autorizações






 Seleção
  Manualmente
  Em aberto
  Modificado
  Atualizada
 Ni

Atual.: 0 Nívs.org.não atuals., 0 Cpos.abertos, Status: modif.

ZSAP\_MM\_BCR\_BUYER\_X1   Função para catálogo de apps MM para a função 'Comp

-    Padrão Objetos de autorização de aplicação geral
  -    Padrão Verificação no início de serviços externos
    -    Padrão
      -  Nome de programa, transação ou 70059CCC4BFBD2E584573912FDDEE
  Tipo código verificação e valo Valor hash para objeto TADIR

# Atribuir Perfil Backend

## OData Services

The following OData services must be activated on the front-end server.  
Users require PFCG authorization for the front-end and back-end systems.

| oData Service    | Version | Back-End Authorization Role (PFCG) |
|------------------|---------|------------------------------------|
| GBAPP_POAPPROVAL | 001     | SAP_MM_PO_APV_APP                  |

Consulta

Entrada fonte/destino

|             |                    |
|-------------|--------------------|
| De função   | SAP_MM_PO_APV_APP  |
| Após função | ZSAP_MM_PO_APV_APP |

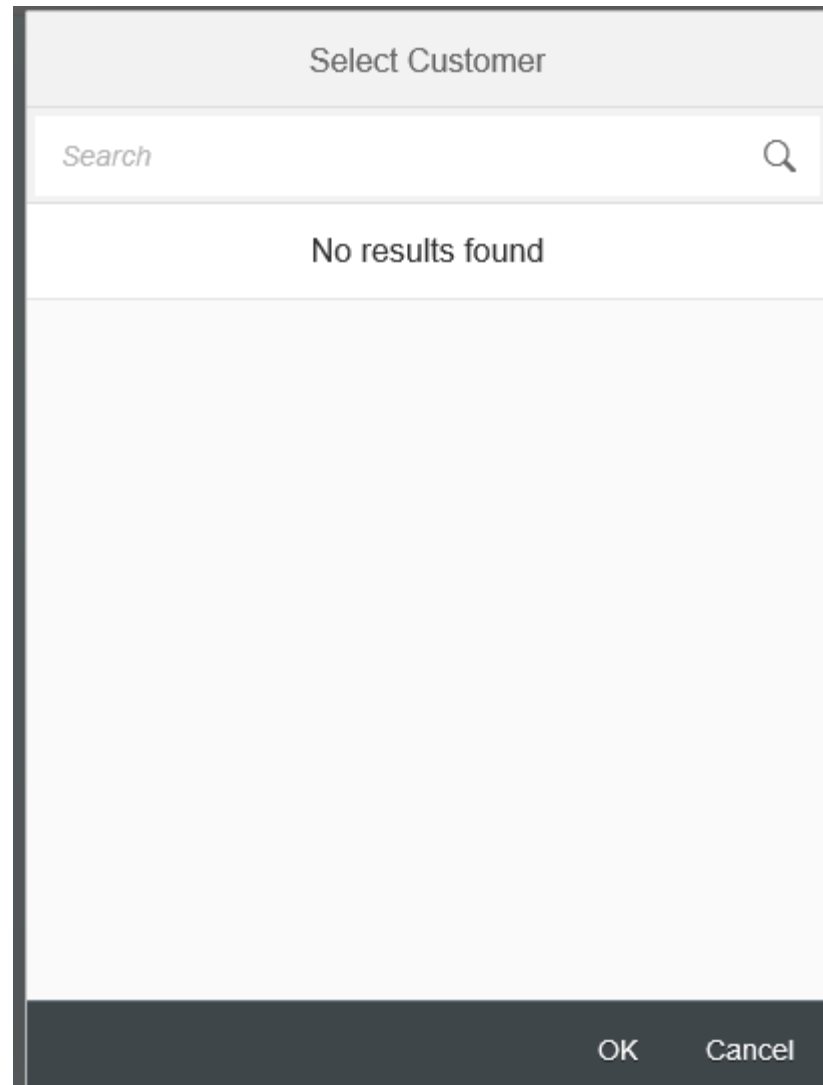
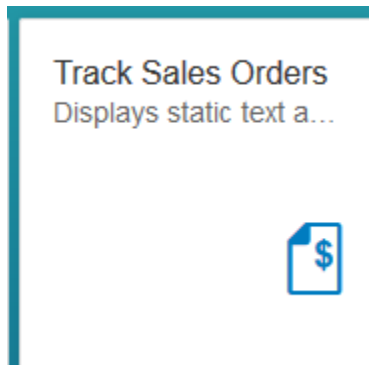
Copiar tudo

## Instalar Fiori no Google Play:

[http://35.162.220.13:8000/sap/bc/ui5\\_ui5/ui2/ushell/shells/abap/FioriLaunchpad.html](http://35.162.220.13:8000/sap/bc/ui5_ui5/ui2/ushell/shells/abap/FioriLaunchpad.html)



# Não Exibição de Dados Track Sales Order ??



# Análise de erros e Resolução

Tools



# Track Sales Order - Configuration

[https://fioriappslibrary.hana.ondemand.com/sap/fix/externalViewer/#/detail/Apps\(%27F0020%27\)/W13](https://fioriappslibrary.hana.ondemand.com/sap/fix/externalViewer/#/detail/Apps(%27F0020%27)/W13)

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▼ Support

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Application Component SD-FIO-SLS

Application Component Text Fiori UI for Create Sales Orders

## Required SAP Notes

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General Note

1942942

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Verificar o erro envio SAP FIORI URI:

<https://blogs.sap.com/2013/11/13/sap-fiori-111-consultants-should-know-about-odata-troubleshooting/>

Detalhes de Configuração **SAP HELP:**

[http://help.sap.com/fiori\\_bs2013/helpdata/en/13/599053ab733d27e10000000a44538d/content.htm?frameset=/en/13/599053ab733d27e10000000a44538d/frameset.htm&current\\_toc=/en/c5/5690533e73cc26e10000000a4450e5/plain.htm&node\\_id=7&show\\_children=true#jump7](http://help.sap.com/fiori_bs2013/helpdata/en/13/599053ab733d27e10000000a44538d/content.htm?frameset=/en/13/599053ab733d27e10000000a44538d/frameset.htm&current_toc=/en/c5/5690533e73cc26e10000000a4450e5/plain.htm&node_id=7&show_children=true#jump7)

## Analisar o LOG /IWFND/APPS\_LOG

**SAP Gateway Application Log Viewer**



Object

Subobject

Log Creation Time

From (Date/Time)

|                                     |   |                                  |
|-------------------------------------|---|----------------------------------|
| ❌ No request ID has been provided   | 5 | /SAP/SRA018_SO_TRACKING_SRV_0001 |
| ❌ Technical message                 | 5 |                                  |
| ❌ OData Channel Remote Connectiv    | 1 |                                  |
| ❌ /IWFND/CL_MGW_RUNT_RCLNT_UTILSCP  | 1 |                                  |
| ❌ PROCESS_MSG_CONTAINER             | 1 |                                  |
| ❌ 000001                            | 1 |                                  |
| ❌ OData Lib 1.0 Integration         | 4 |                                  |
| ❌ /IWFND/CL_SODATA_PROCESSOR=====CP | 1 |                                  |

| Ti... | Nº ... | Texto de mensagem |
|-------|--------|-------------------|
| ❌     | 1      | No customer found |

# Exemplo Track Sales Orders

[http://help.sap.com/fiori\\_bs2013/helpdata/en/8b/72a8527285fb27e10000000a44176d/content.htm?frameset=/en/ec/0b5652f9c21457e10000000a445394/frameset.htm&current\\_toc=/en/c5/5690533e73cc26e10000000a4450e5/plain.htm&node\\_id=86](http://help.sap.com/fiori_bs2013/helpdata/en/8b/72a8527285fb27e10000000a44176d/content.htm?frameset=/en/ec/0b5652f9c21457e10000000a445394/frameset.htm&current_toc=/en/c5/5690533e73cc26e10000000a4450e5/plain.htm&node_id=86)

## Prerequisites for Implementation

Before implementing the app, you must ensure the following:

You must create an employee master record as follows:

- Implement SAP ERP HCM to maintain employees in the HCM personnel records with the infotype `Communication` (0105) and the subtype (0001) of System User Name `SY-UNAME`.
- If you have not done this, implement the Sales and Distribution configuration with `Use Sales Employees with HR` (Tcode: `PULT`). This IMG setting copies the appropriate HCM tables from the 000 Client and allows the setup of the employee record with the above infotype and subtype.

### Note

This associates the employee's user ID with a personnel number that is assigned as the sales employee partner function in the customer master.

# Cadastro Employee Sales - PA40, PA30

**Atualizar dados mestre HR**

Pesquisa de

- Pessoa
  - Collective search help
  - Termo de pesquisa
  - Free search

Personnel no. [ ]

Basic personal data | Contract data | Gross/net payroll | Net payroll | Addt...

Infotype text S..

Period

☒ Period

From [ ] To [ ]

☐ Today ☐ Curr.week

☐ All ☐ Current month

☐ From curr.date ☐ Last week

☐ To Current Date ☐ Last month

☐ Current Period ☐ Current Year

Choose

Direct selection

Infotype [ ] STy [ ]

- Implement SAP ERP HCM to maintain employees in the HCM personnel records with the infotype **Communication (0105)** and the **subtype (0001)** of System User Name SY-UNAME.

Personnel no.

Nome

Grupo empreg  Active      Área Rh  Taiwan personnel area

SubgrpEmprg.  TW executive

Basic personal data   Contract data   Gross/net payroll   Net payroll   Addt...

| Infotype text             | S.. |
|---------------------------|-----|
| Actions                   | ✓   |
| Organizational Assignment | ✓   |
| Personal Data             | ✓   |
| Addresses                 | ✓   |
| Bank Details              |     |
| Family Member/Dependents  |     |
| Challenge                 |     |

Period

☒ Period

From  To

☐ Today      ☐ Curr.week  
☐ All      ☐ Current month  
☐ From curr.date      ☐ Last week  
☐ To Current Date      ☐ Last month  
☐ Current Period      ☐ Current Year

Direct selection

Infotype    System user name (SY-UNAM...

# Funcionário RH – numero 1 atribuido ao login

|              |                 |         |                                     |
|--------------|-----------------|---------|-------------------------------------|
| Nº pessoal   | 1               | Nome    | Mr Wang Jen                         |
| Grupo empreg | 1 Active        | Área Rh | TW01 Taiwan personnel area          |
| SubgrpEmprg. | T2 TW executive |         |                                     |
| Válido       | 01.01.1800      | to      | 31.12.9999 Chng 17.12.2016 SAP-WANG |

Communication

|            |          |                             |
|------------|----------|-----------------------------|
| Tipo       | 0001     | System user name (SY-UNAME) |
| ID sistema | SAP-WANG |                             |

## Cadastro de Dado Mestre Cliente: Exemplo 1600028

Customer Change: Initial Screen

|              |                                                                                           |            |
|--------------|-------------------------------------------------------------------------------------------|------------|
| Customer     |  1600028 | CLARO S.A. |
| Company code |                                                                                           |            |

Sales area

|                    |      |                |
|--------------------|------|----------------|
| Organização vendas | BR10 | Sales Brasil   |
| Canal distribuição | BR   | Brazil Channel |
| Setor de atividade | MP   | MOBILE PHONES  |

All sales areas...

Customer's sales areas...

## Atribuir o Cliente administrado ao Vendedor – 1

- Tipo SE (Inserir na Configuração parceiro cliente SD)

 **Change Customer: Sales Area Data**

 Other Customer    General Data    

Customer    1600028    CLARO S.A.  
Org.vendas    BR10    Sales Brasil  
Canal distrib.    BR    Brazil Channel  
Setor atividade    MP    MOBILE PHONES

Sales    Shipping    Billing Documents    **Partner Functions**

Partner Functions

| PF | Partner Function | Number  | Nome           |
|----|------------------|---------|----------------|
| SP | Sold-to party    | 1600028 | CLARO S.A.     |
| BP | Bill-to party    | 1600028 | CLARO S.A.     |
| PY | Payer            | 1600028 | CLARO S.A.     |
| SE | Sales employee   | 1       | Mr Wang Jen    |
| SE | Sales employee   | 2       | Silva Edmilson |
| SH | Ship-to party    | 1600028 | CLARO S.A.     |

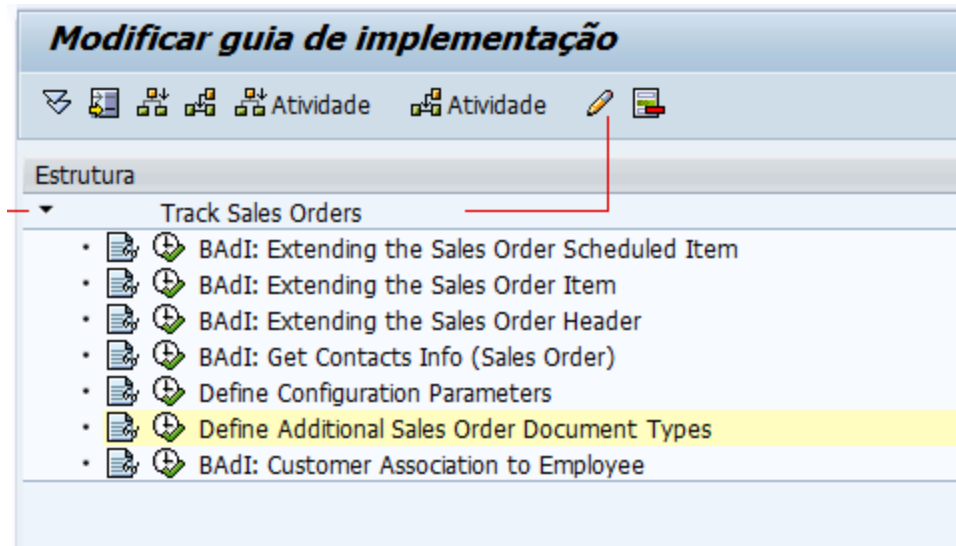


# Configurar Ordem de Venda, alterar o Standard OR

## Configuration Tasks

To be able to implement the app, you must perform the following configuration tasks in the back-end system:

1. Call the transaction SIMGH and open the **Track Sales Orders** node to configure user information parameters of the Customizing activity **Define Configuration Parameters** :
  - Document Type (DOCTYPE)  
By default, the app uses the standard order (TA/OR) . Changing this to another document type may significantly impact the functionality of the application.
  - Order Period (ORDPERIOD)  
Defines how many days into the past sales orders are retrieved. The suggested value is 30 days.
  - Search Period (SEAPERIOD)  
Defines how many days into the past a search must look for sales orders that match the search criteria. The suggested value is 90.
  - Ship To Party (SHIP\_TO/PARTNER\_ROLE)  
Defines which partner role in the customer master is used for the ship-to party. The suggested value is WE.
  - Forwarding Agent (FORWARDING\_AGENT/PARTNER\_ROLE)  
Defines which partner role in the customer master is used for the forwarding agent. The suggested value is SP.



# Alterar o Default de OR para ZVNO

**Modificar visão "Configuration Table for Sales Order Tracking App": sí**

Entradas novas

| +                 | +         | +       | +    |
|-------------------|-----------|---------|------|
| SOT Sales Or... ▼ | DOCTYPE   | DEFAULT | ZVNO |
| SOT Sales Or... ▼ | ORDPERIOD | DEFAULT | 180  |
| SOT Sales Or... ▼ | SEAPERIOD | DEFAULT | 180  |
|                   |           |         |      |
|                   |           |         |      |

# Exibida a informação parametrizada



<

CLARO S.A. Sales Orders



Search



SO 1000000005

1K  
BRL

PO pedido123

December 17, 2016

Not Shipped

SO 1000000003

2K  
BRL

PO n/a

December 17, 2016

Not Shipped

SO 1000000002

11K  
BRL

PO n/a

Sales Order

PO: pedido123

Ordered: December 17, 2016

Requested: December 18, 2016

Ship To: CLARO S.A.

Contacts

1 Item

1

Open

0

In Process

0

Shipped

| Description                     | Ordered | Price        | Net Amount   | Status S |
|---------------------------------|---------|--------------|--------------|----------|
| 10 FONE DE OUVIDO COM MICROFONE | 1 PC    | 1.350,00 BRL | 1.350,00 BRL |          |

# SAP GUI for HTML

All tcode ERP → Fiori

## • Ativar o SICF

|              |                                             |
|--------------|---------------------------------------------|
| gui          | Serviços GUID baseados em ITS               |
| sap          | Espaço de nomes da SAP para serviços GU...  |
| its          | Diretório ITS                               |
| EWB_WEBGUI   | CIC Action Box Calls Using SAP GUI for HTML |
| test         | Serviços de teste ITS                       |
| webgui_end   | Fim da sessão com exibição das mensagen...  |
| webgui_tj    | SAP GUI para HTML (sem ITS frameset) /...   |
| webgui_txend | Fim de transação com mensagem               |
| webgui       | SAP GUI para HTML                           |

• /N/UI2/SEM OBJ

• LPD\_CUST

• [http://35.162.220.13:8000/sap/bc/ui5\\_ui5/sap/arsrvc\\_upb\\_admn/main.html?sap-client=100&scope=CUST#/Catalog/X-SAP-UI2-CATALOGPAGE:SAP\\_LE\\_BC\\_TransportationSpecialist\\_X1](http://35.162.220.13:8000/sap/bc/ui5_ui5/sap/arsrvc_upb_admn/main.html?sap-client=100&scope=CUST#/Catalog/X-SAP-UI2-CATALOGPAGE:SAP_LE_BC_TransportationSpecialist_X1)

# 05 SAP HCP Conceitos

<http://hcp.sap.com>

[Goto HCP](http://hcp.sap.com)

## SAP HANA Cloud Platform Basics

### Cloud service models

---

Hardware or software provided to you as a service and accessible through the Internet

SOFTWARE AS A SERVICE



**SaaS**

PLATFORM AS A SERVICE



**PaaS**

INFRASTRUCTURE AS A SERVICE



**IaaS**



## SAP HANA Cloud Platform Basics

### Cloud benefits in general

---

#### **Eliminate capital expense**

- Hardware at provider

#### **Reduce operating expense**

- Central maintenance by provider
- Automatic updates

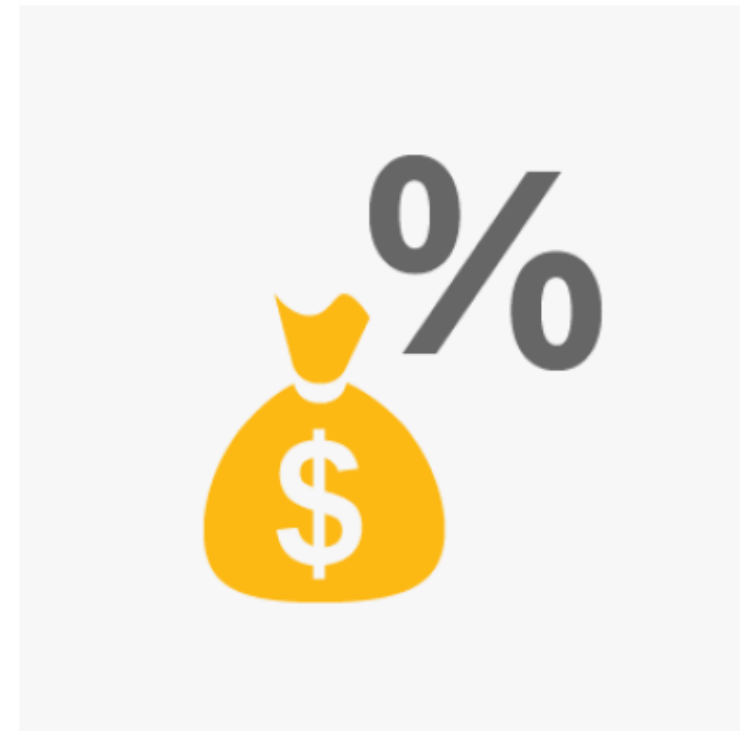
#### **Flexibility**

- Meet changing demands as you grow
- Systems accessible from everywhere

#### **Agility**

- React faster to changing business needs

#### **High availability**



## SAP HANA Cloud Platform Basics

What is SAP HANA Cloud Platform?

---

### Platform-as-a-service offering

- Build, extend, run, and operate apps in the cloud

### Multiple runtimes

- Java
- SAP HANA extended application services
- HTML5
- More runtimes to be added over time

### Services

- Persistence
- Document
- Security
- Connectivity

## SAP HANA Cloud Platform Basics

Open, standards-based, enterprise-ready



Build



Extend



Integrate

### On-Premise / Managed Cloud

SAP S/4HANA

SAP Business  
Suite

SAP Business  
Warehouse

### SAP HANA Cloud Platform (PaaS)

Runtimes /  
Languages

#### Platform Services



Integration



IoT



Security



Analytics



UX



Mobile



Collaboration

#### Data & Storage Services



ASE

#### Big Data Services

SAP HANA



Dev  
&  
Ops

### SaaS

SAP S/4HANA

SuccessFactors

C4C

Ariba

Concur

IaaS Layer

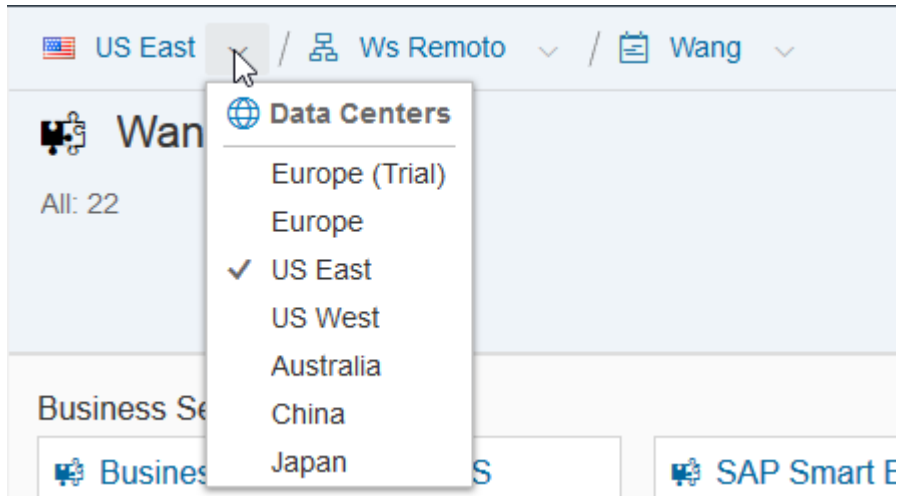
# HCP – Ambiente WS REMOTO Cockpit

<http://hcp.sap.com>

[Goto HCP](http://hcp.sap.com)

## Acesso HCP

- WS está hospedado no US East
- Utilizar o login S-ID da SAP S001XXXXXX



# Entra no Ambiente WS REMOTO

US East ▾

🏠 US East - Overview

Global Accounts

🔗 Ws Remoto

1 Accounts

US East ▾ / 🔗 Ws Remoto ▾

🔗 Ws Remoto - Overview

All: 1

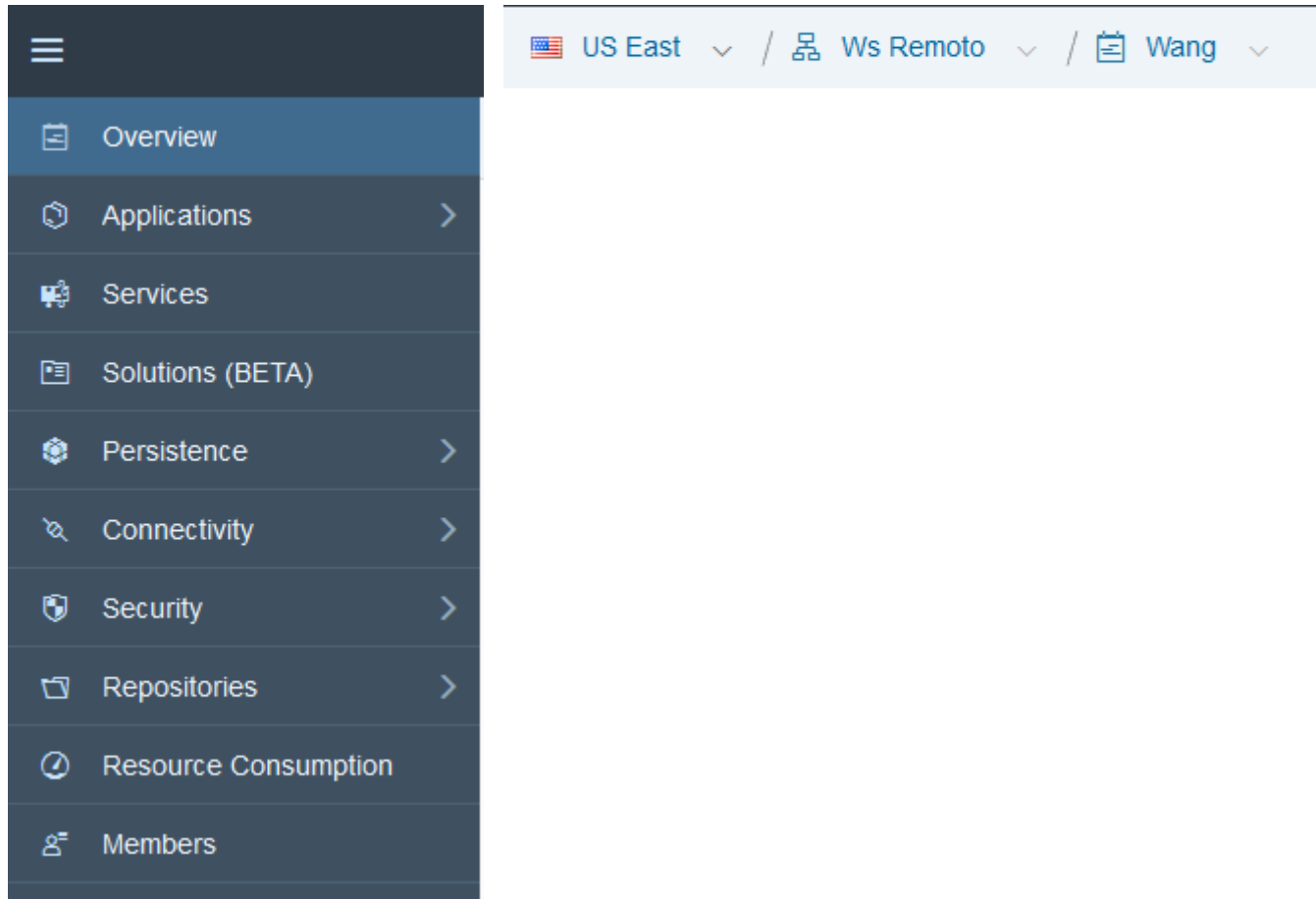
New Account

📅 Wang

| Java Applications |         | Java Quota                            |
|-------------------|---------|---------------------------------------|
| 1                 | Started | 1 of 2 LITE<br><div><div></div></div> |
| 0                 | Failed  |                                       |
| 4                 | Stopped |                                       |
| 1 Members         |         |                                       |

✎ ↺

# Cockpit da Esquema localiza todas as funcionalidades necessárias





US East / Ws Remoto / Wang

## Business Services

 Business Services for YaaS

Enabled



Provide business services and storefront applications for SAP Hybris as a Service (YaaS) on SAP HANA Cloud Platform.

 SAP Smart Business Service

Not enabled



Helps visualize analytic content in the form of analytical Fiori tiles and interactive dashboards.

## Data &amp; Storage

 Document Service

Enabled



Store and manage all your documents.

 Persistence Service

Enabled



Manage data using in-memory and relational data persistence provided by the persistence service.

## DevOps

 Corp. Git Link for SAP Web IDE

Enabled



Enables you to subscribe to Orion and manage connectivity to your

 Debugging Service

Enabled



Debug your Java application even through networks with high latency.

 Git Service

Enabled



Allows to store and version source code in Git repositories.



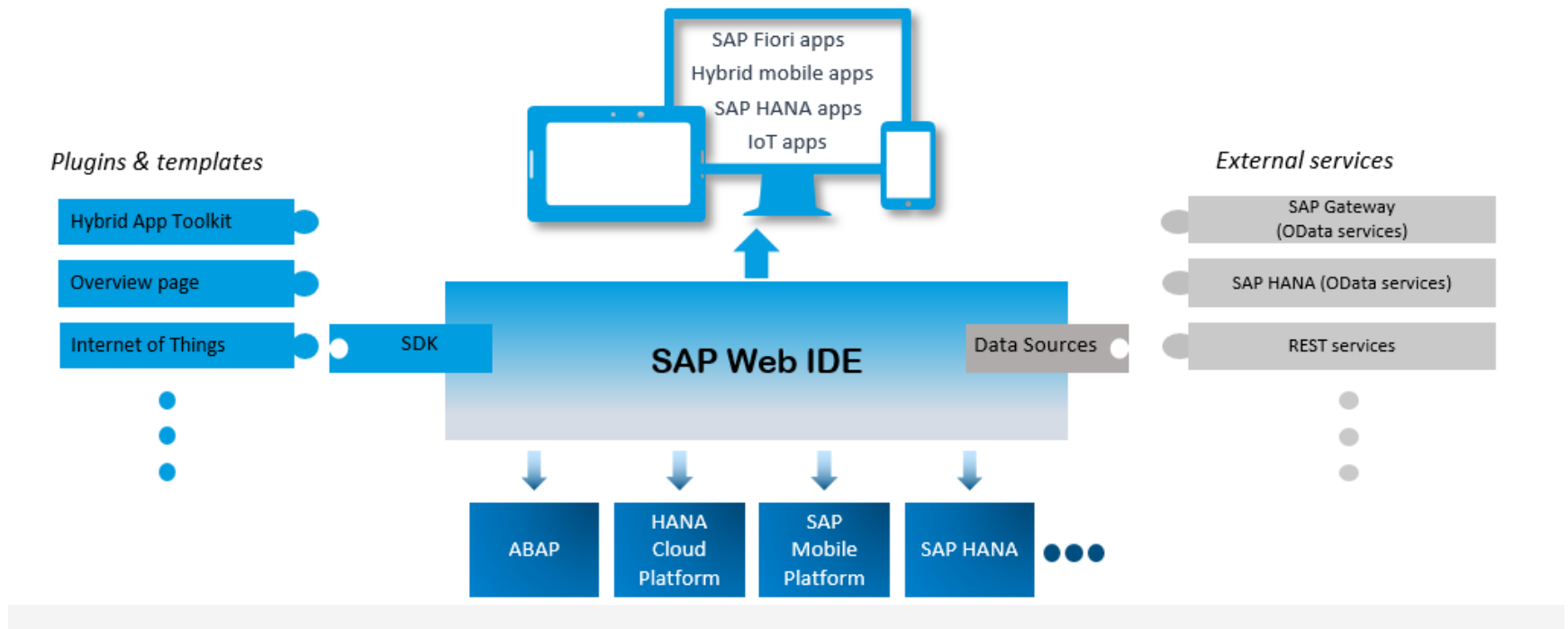
# SAP WEB IDE

Plataforma Desenvolvimento

# Apresentação SAP Web IDE

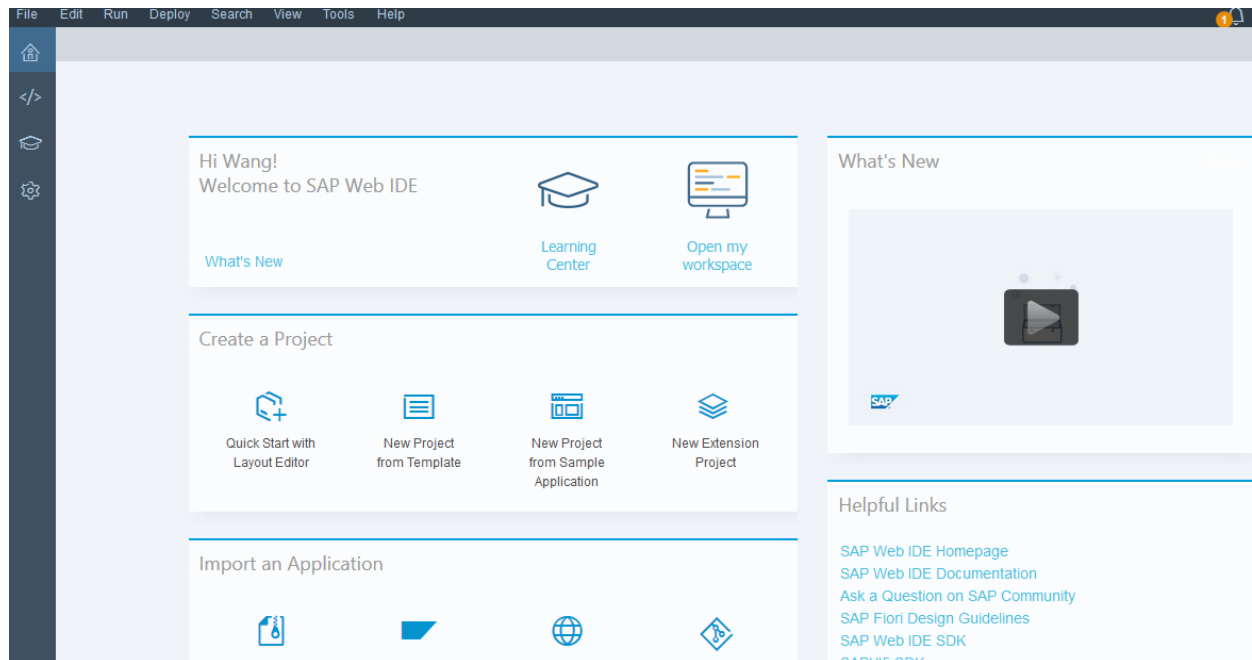


# Arquitetura Integração



# Plataforma de Desenvolvimento Visual

- Extensão de Templates
- Comunicação Odata com o SAP ECC
- Integração com o SAP Fiori
- Desenvolvimento Visual



# Portal HCP

## Construção Website

# Templates

 SAP HANA Cloud Portal

Cockpit | Hello Wang | ?

[SITE DIRECTORY](#) | [MARKET PLACE](#) | [CONTENT](#) | [THEMES](#) | [AUTHORIZATIONS](#) | [ANALYTICS](#) | [DOCUMENTS](#)

 Add  Import

Sort by: Modified 

Search for sites 





Partner Portal  
Modified: 13.11.2016 



Welcome to HANA Cloud Portal   
Modified: 13.11.2016



University of the future   
Modified: 13.11.2016



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70

Admin Space

Wang Jen

Home

Site Directory

Services and Tools

Usage Analytics

Useful Tools

Useful Links

Welcome to

## SAP HANA Cloud Platform, Portal Service

Easily create and publish enterprise-grade business sites  
for your customers, partners, and employees

Create New Site

- Cannot find your site in the Site Directory?
- Latest highlights
- Watch video

## Links referência:

### Cursos gratuito Open SAP:

<https://open.sap.com/courses/fiori1>

### Documentação técnica Help SAP:

<https://help.hana.ondemand.com/>

### Documentação técnica desenvolvedores SAP:

<https://www.sapappsdevelopmentpartnercenter.com>

### Documentação compartilhada Community WIKI:

<https://wiki.scn.sap.com/wiki/display/Fiori/All+Things+SAP+Fiori>

### Lista aplicativos já desenvolvidos:

<https://www.sapappcenter.com/>



## Links referência:

### Biblioteca Fiori apps disponíveis:

<https://fioriappslibrary.hana.ondemand.com/sap/fix/externalViewer/>

### Biblioteca SAP de soluções pré configurada:

<https://cal.sap.com>

### Portal suporte SAP (Notas, SCN, download, knowledge base):

<https://partneredge.sap.com>

### Portal Parceiro SAP (produtos, solução, Users, marketing...):

<https://partneredge.sap.com/>

### HCP Tutoriais (links, youtube..)

<https://hcp.sap.com/developers.html>



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