

SAPUI5 for everything

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Agenda

O que é SAPUI5?

Primeiros passos

UI5 Views

UI5 Models

- JSON com Webservice
- OData com SAP Gateway
- XML com SAP PI
- OData com SAP HANA

Gerando UI5 apps híbridos

- Apps nativos para Android/iOS



O que é SAPUI5?

O que é SAPUI5?

SAP UI Technologies Strategy



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O que é SAPUI5?

SAP UI Technologies Strategy

The SAP User Experience Strategy

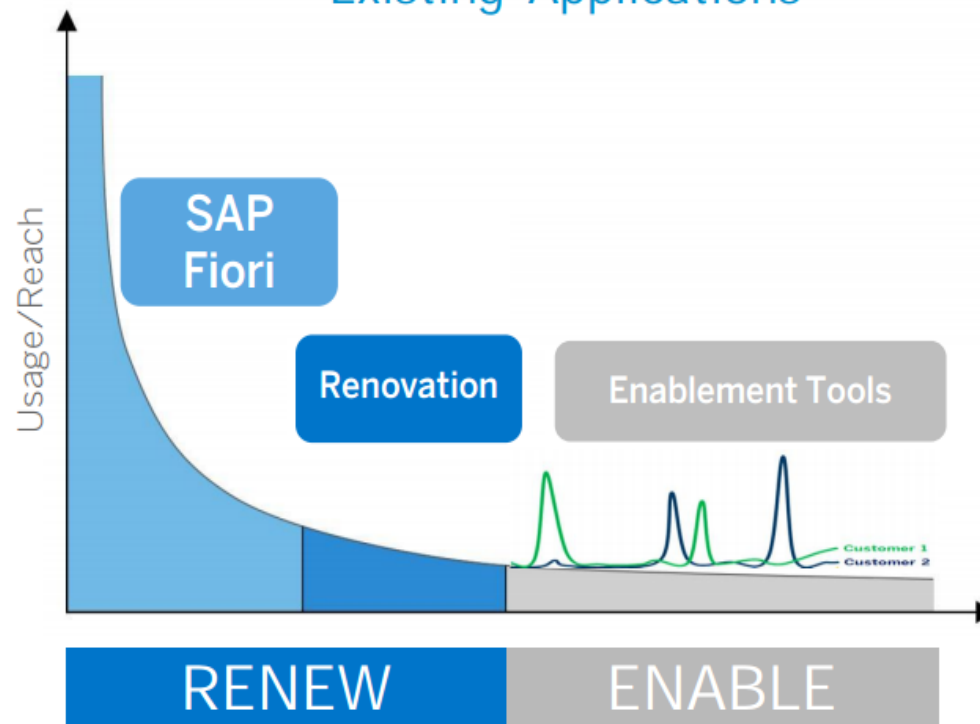
New Applications



NEW

This is the current state of planning and may be changed by SAP at any time.

Existing Applications



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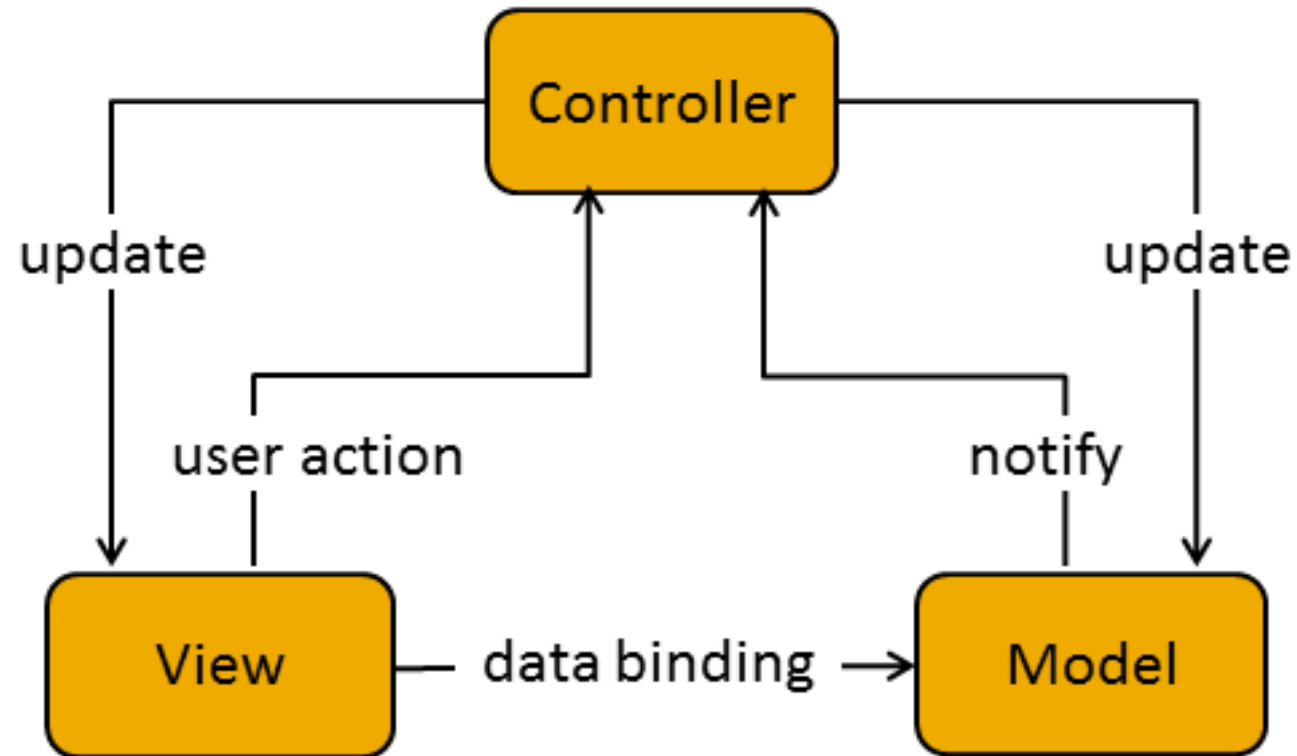
O que é SAPUI5?

Info

- É um framework JavaScript;
- Gera código HTML5 + JavaScript + CSS3;
- É a tecnologia usada pelo SAP Fiori;
- Junto com SAP Fiori representa um novo paradigma para UX em SAP;
- API bem projetada, fácil de consumir e de usar;
- Suporta qualquer dispositivo (desktop/mobile) sem desenvolvimento adicional;
- Alta *performance*, em conformidade com padrões de produtos SAP.

O que é SAPUI5?

Arquitetura



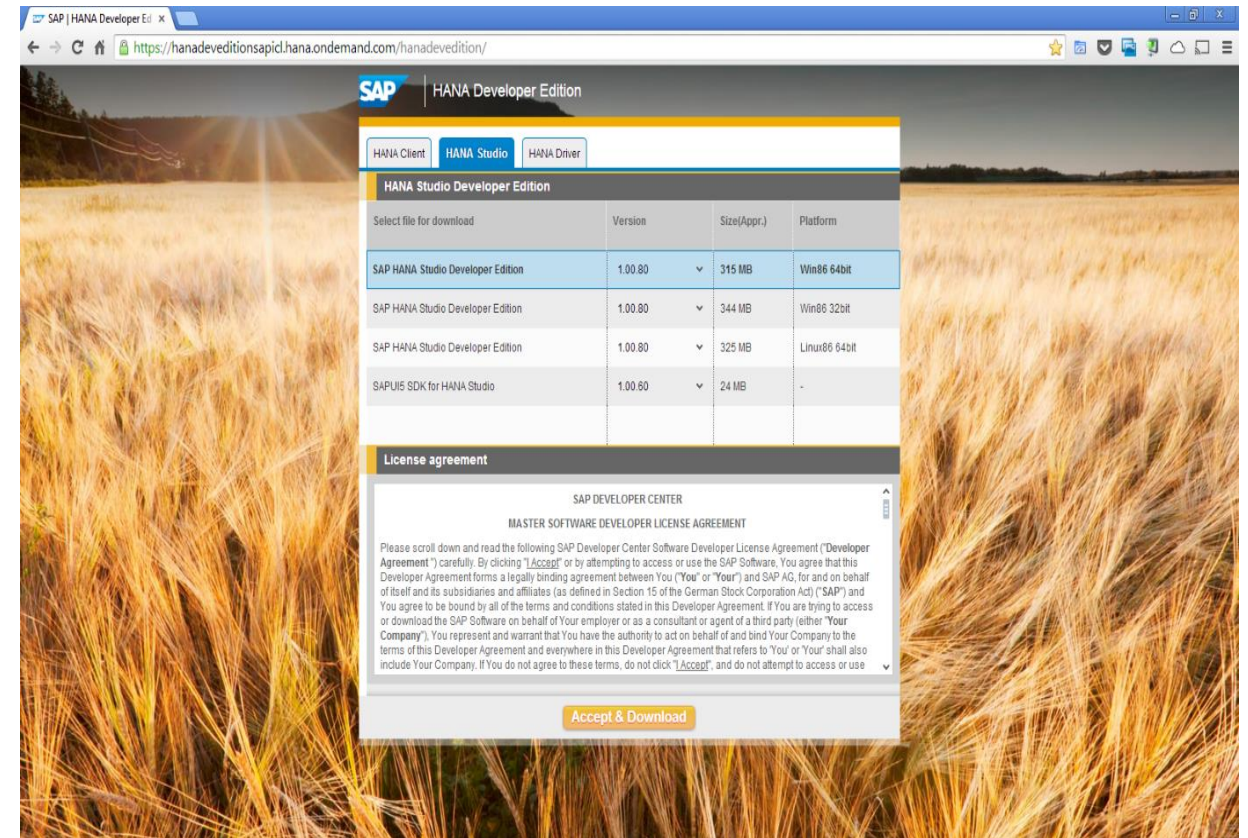


Primeiros passos

Primeiros passos

Instalando IDE

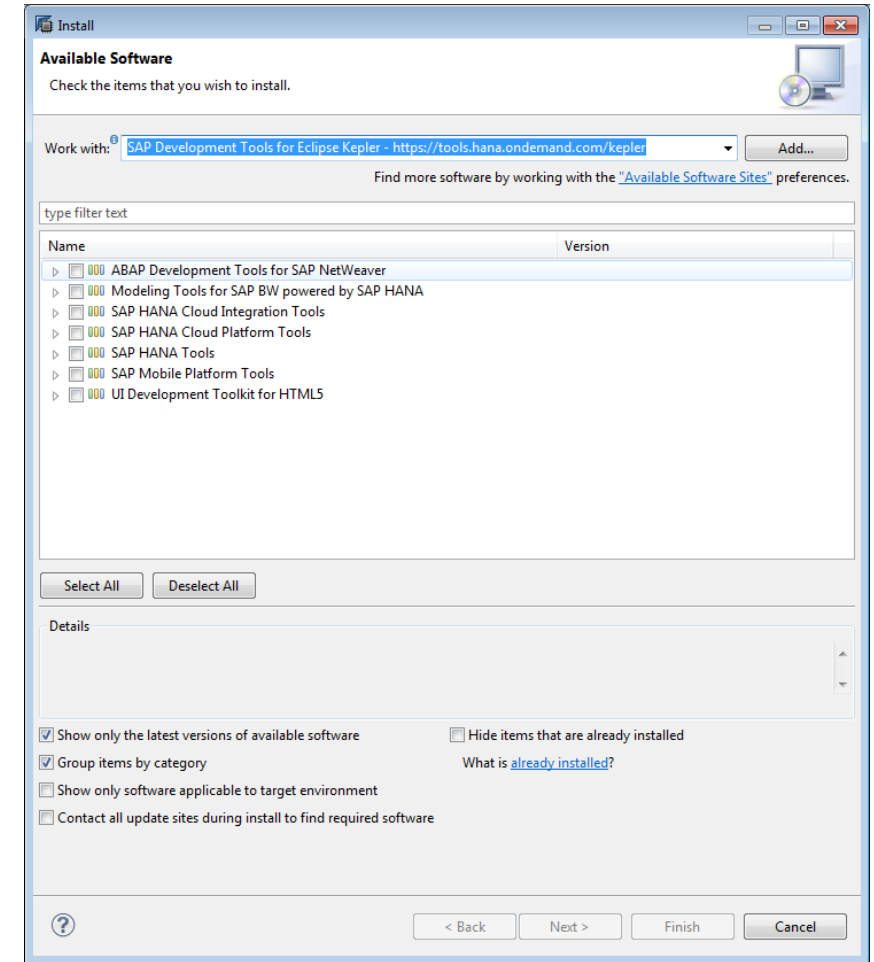
- A principal IDE usada é o **SAP HANA Studio**;
- Perfeito para quem conhece o **Eclipse**;
- Download - <https://hanadeveditionsapicl.hana.ondemand.com/hanadevedition/>
- SAP River RDE (beta).



Primeiros passos

Configurando SAP HANA Studio

- Adicionar repositório;
- Instalar plugins;
- Criar “SAPUI5 Application Development > Application Project”;
- Selecionar *library*: sap.ui.commons / sap.m;
- Usar perspectiva “Java EE”.



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Hello World!

O clássico “Hello World!” versão SAPUI5



UI5 Views

UI5 Views

Tipos de Views

É responsável por definir e renderizar a UI (*User Interface*).

HTML View

- *.view.html
- data-controller-name=" sap.hcm.Address"

JS View

- *.view.js
- getControllerName()

JSON View

- *.view.json
- "controllerName" : "sap.hcm.Address"

XML View

- *.view.xml
- controllerName="sap.hcm.Address"



UI5 Models

UI5 Models

Tipos de Models

É responsável por acessar e gerenciar os dados da aplicação.

JSONModel

- `new sap.ui.model.json.JSONModel();`
- Client-side, ideal para *datasets* pequenos.

ODataModel

- `new sap.ui.model.odata.ODataModel();`
- Server-side, bom para sistemas complexos e *datasets* grandes.

ResourceModel

- `new sap.ui.model.resource.ResourceModel();`
- Client-side, usado para carregar recursos locais (configurações, traduções, etc).

XMLModel

- `new sap.ui.model.xml.XMLModel();`
- Client-side, recomendado para *datasets* pequenos.



Conectando UI5 Models

JSONModel com Webservice



Conectando UI5 Models

ODataModel com SAP Gateway



Conectando UI5 Models

XMLModel com SAP PI



Conectando UI5 Models

ODataModel com SAP HANA



Gerando UI5 apps híbridos

Gerando UI5 apps híbridos


Apps nativos para Android/iOS


Softwares para criar UI5 app híbridos:

- Appbuilder + SMP;
- Kapsel + SMP;
- Neptune Software;
- PhoneGap.

Gerando UI5 apps híbridos

App híbrido com GitHub + PhoneGap

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17 commits1 branch0 releases1 contributor

branch: master GasControl / +

UTF-8

mauriciolauffer authored 3 days ago latest commit 68eb93a40d

i18n	UTF-8	3 days ago
model	Data Storage	8 days ago
resources	New library	7 days ago
util	remove config	7 days ago
view	Back	7 days ago
Component.js	Back	7 days ago
README.md	Initial commit	9 days ago
gascontrolui5.appcache	appcache	7 days ago
index.html	New library	7 days ago

CodeIssues 0Pull Requests 0Wiki

PulseGraphs

Settings

HTTPS clone URLhttps://github.com/r[icon]

You can clone with HTTPS, SSH, or Subversion.


Clone in Desktop

Download ZIP

Gerando UI5 apps híbridos


App híbrido com GitHub + PhoneGap

Bd Apps Plugins Docs Blog FAQ Support



GasControl

GasControl is the simplest way to control how much you spend with fuel and how economic your vehicle is. Developed with SAP OpenUI5!



Install

Update code

Rebuild all

Builds

Plugins

Collaborators

Settings

App ID	Version	PhoneGap	Owned by	Source	Tag / Branch	Commit	Last built (17)
1047681	1.0.1	3.5.0	mauriciolauffer@outlook.com	https://github.com/mauriciolauffer/GasControl.git	master	68eb93a	3 days

ios

No key selected

Rebuild

Error

Android

MLaufferKey

Rebuild

apk

Windows

No publisher ID selected

Rebuild

xap

BlackBerry

No key selected

Rebuild

Error

hp

Rebuild

Error

i

Rebuild

Error

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Perguntas?



SAP[®] Mentors

Obrigado!

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