BO42/2 SAP's Client Strategy Around VC, Web Dynpro, and PageBuilder

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Creating the Future

SAP DKOM'06

Objectives of This Session

Introduce the high level architecture and capabilities of SAP's client technologies

How application investment is protected against rapid UI technologies trends

SAP's client family.

Basic Guideline

To have a client strategy means to have an architecture being flexible enough to combine application investment protection with benefits coming from new UI technology trends like Smart clients.

Although there are different possible implementations, Web Dynpro as well as XGL provide the required protection.

For such an architecture you need a composition design time (VC), a composition runtime (Web Dynpro) and a client abstraction layer on top of this Runtime.

Example

- **You have a Web Dynpro Application (Java or ABAP) and automatically benefit from the improved user interaction capabilities provided by Smart Clients (Windows or Flex) without the need to change your code**

Family of Clients

HTML (Default client)

- Zero footprint
- Fed by Unified Rendering (UR)
- Can implement Ajax-like features
- IE and FireFox

Windows Native (available as beta)

- Improved performance (Rendering, Scrolling, Load on Demand of large data sets)
- Improved integration with classic SAPGUI and desktop applications.
- Drag & Drop, Cut & Paste between application

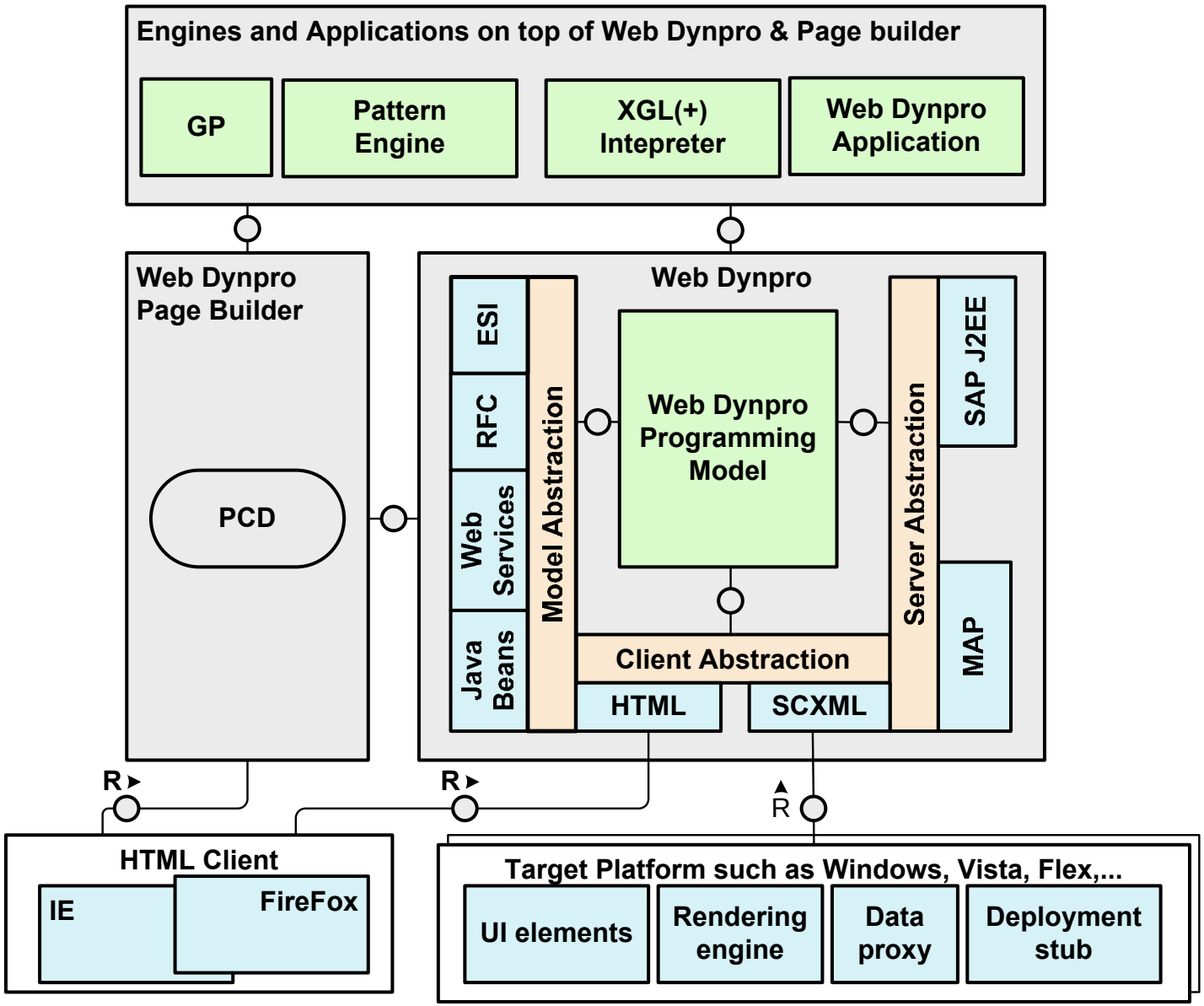
Macromedia Flex (under development)

- Appealing Rendering due to usage of Vector Graphics
- Locally executable logic using ActionScript

Vista/XAML Client (planned)

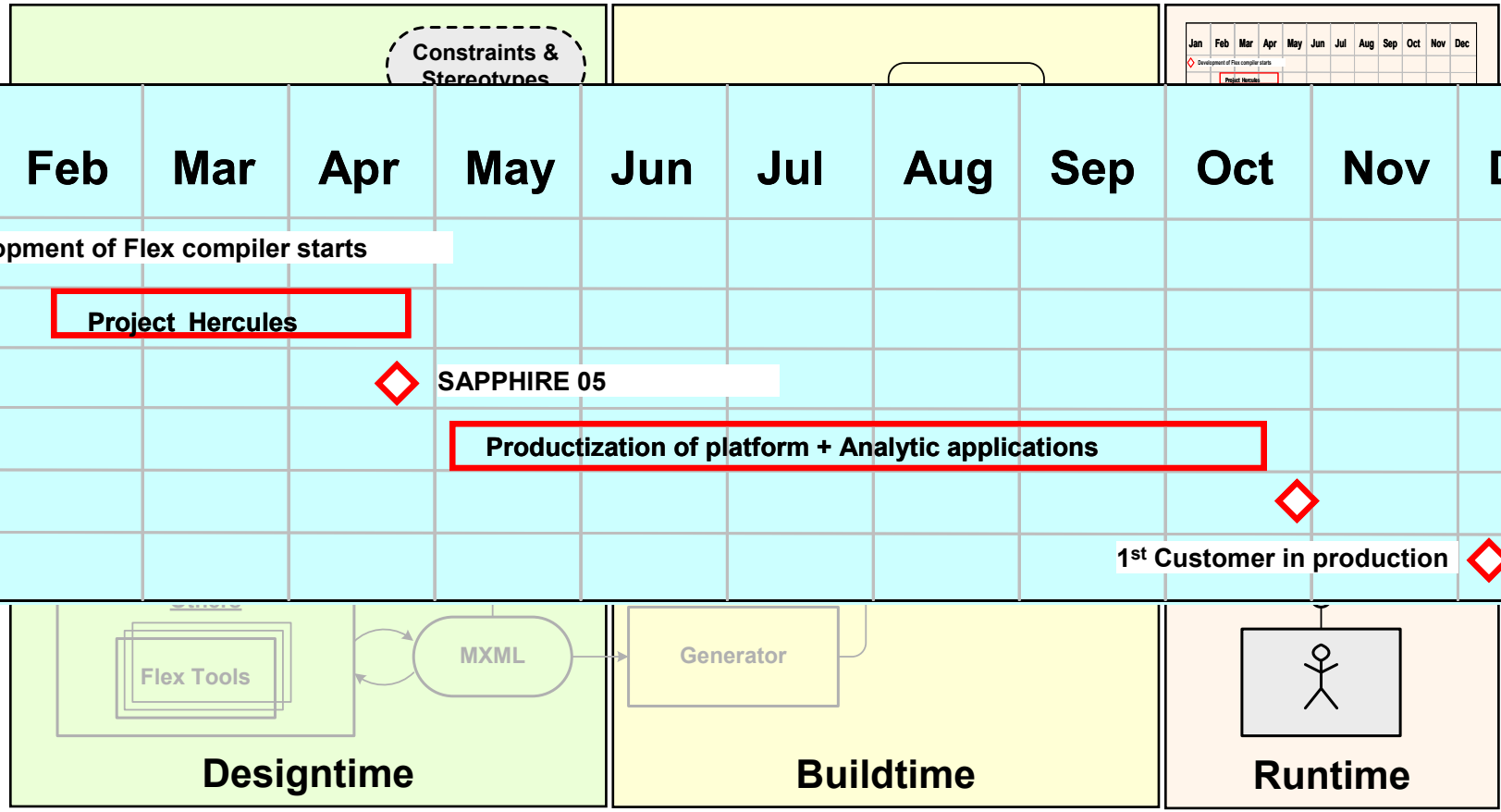
- New UI technology from Microsoft coming up in the Windows version.
- Strong support for Animation, Aliasing, 3D, Vector Graphics,…

UI Runtime Architecture for Web Dynpro & Portal



DEMO

UI Runtime for VC and Macromedia Flex



The "Direct generation" approach targets scenarios were the complete NetWeaver stack is not included such as such as Cyprus or Mendocino.

Currently delivered a first version for Analytics (Flex with some rich UI features); delivered and actually in use at customers e.g. Whirlpool:

- 5 applications in area of HCM & FI installed on production system, incl. SAP BW3.1 & IBM DB
- Used VC design time to customize the Analytic applications provided by SAP
- Customer presented its implementation at an Analyst meeting on behalf of SAP

DEMO

For More Information...

Enterprise Services Architecture

- **ESA Today@SDN**
  https://www.sdn.sap.com/irj/sdn/developerareas/esa

SAP Architecture Series 2006

- **Corporate Portal at PTG → Architecture → Media Library**

SAP NetWeaver

- **SAPNet quick link /netweaver**
  http://intranet.sap.com/netweaver

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