

NetWeaver Mobile Certifications

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Agenda



1. Overview on SAP NetWeaver Mobile

- NetWeaver Mobile Business Architecture
- NetWeaver Mobile Technical Architecture

2. NetWeaver Mobile Interface Certification(NW-MOB-DCCI 7.1)

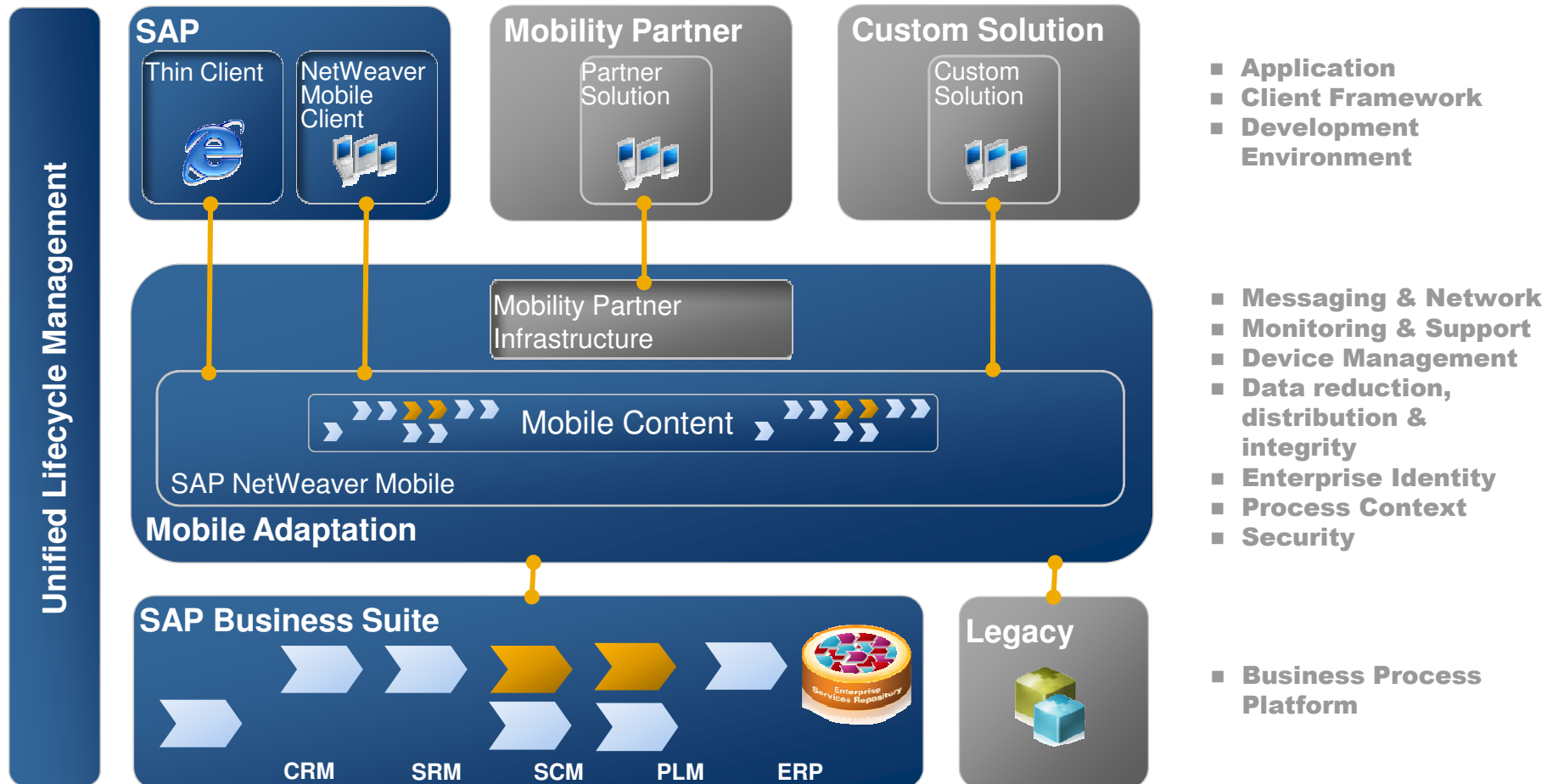
- Certification Scope
- Certification Process

3. NetWeaver Mobile Device Certification(NW-MOB-DEV 7.0 & 7.1)

- Certification Scope
- Certification Process

NetWeaver Mobile 7.1 Business Architecture

Unified Mobile Access to Business Processes



SAP NetWeaver Mobile Business Solutions



Mobile Asset Management



Mobile Procurement



Mobile Time



Mobile Travel



Mobile BI



Field Sales



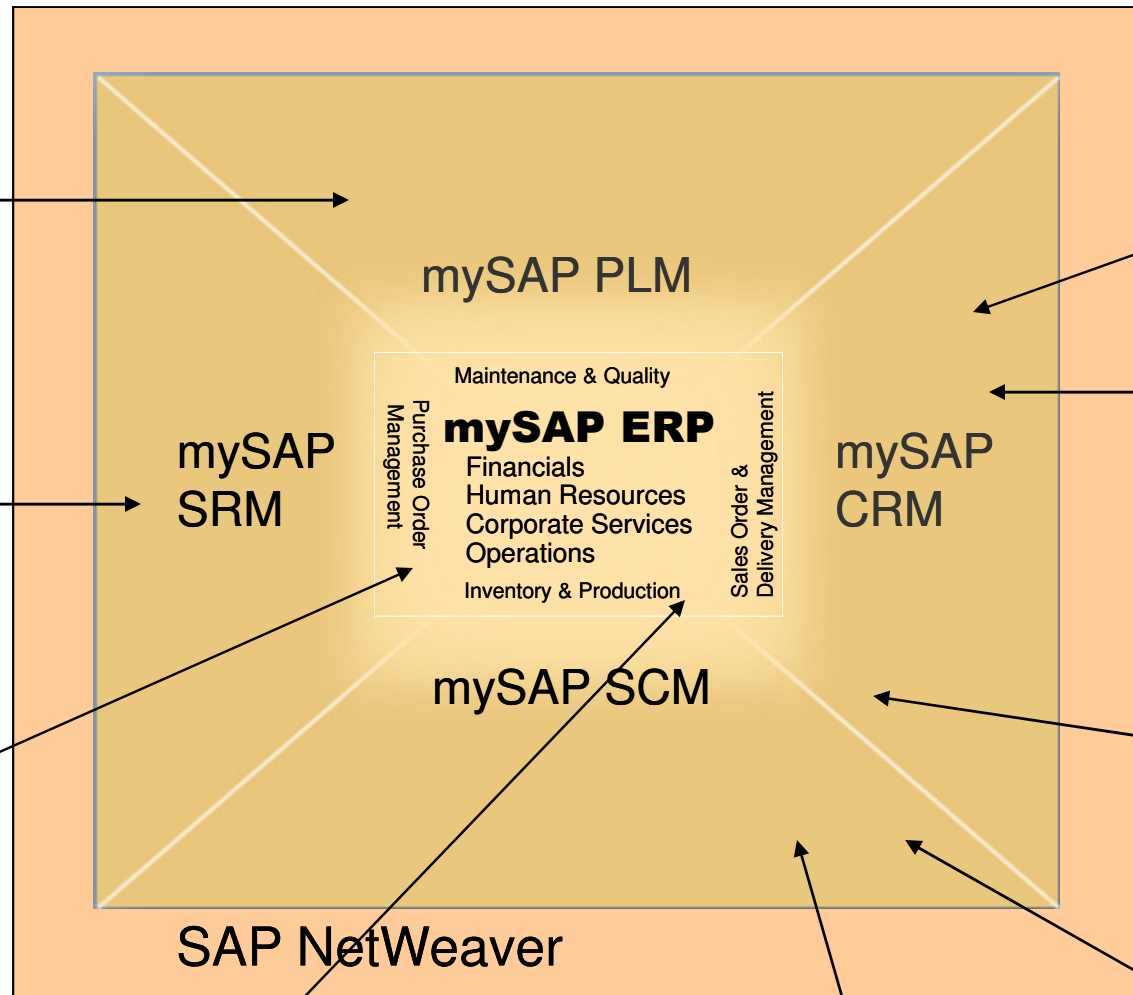
Field Service



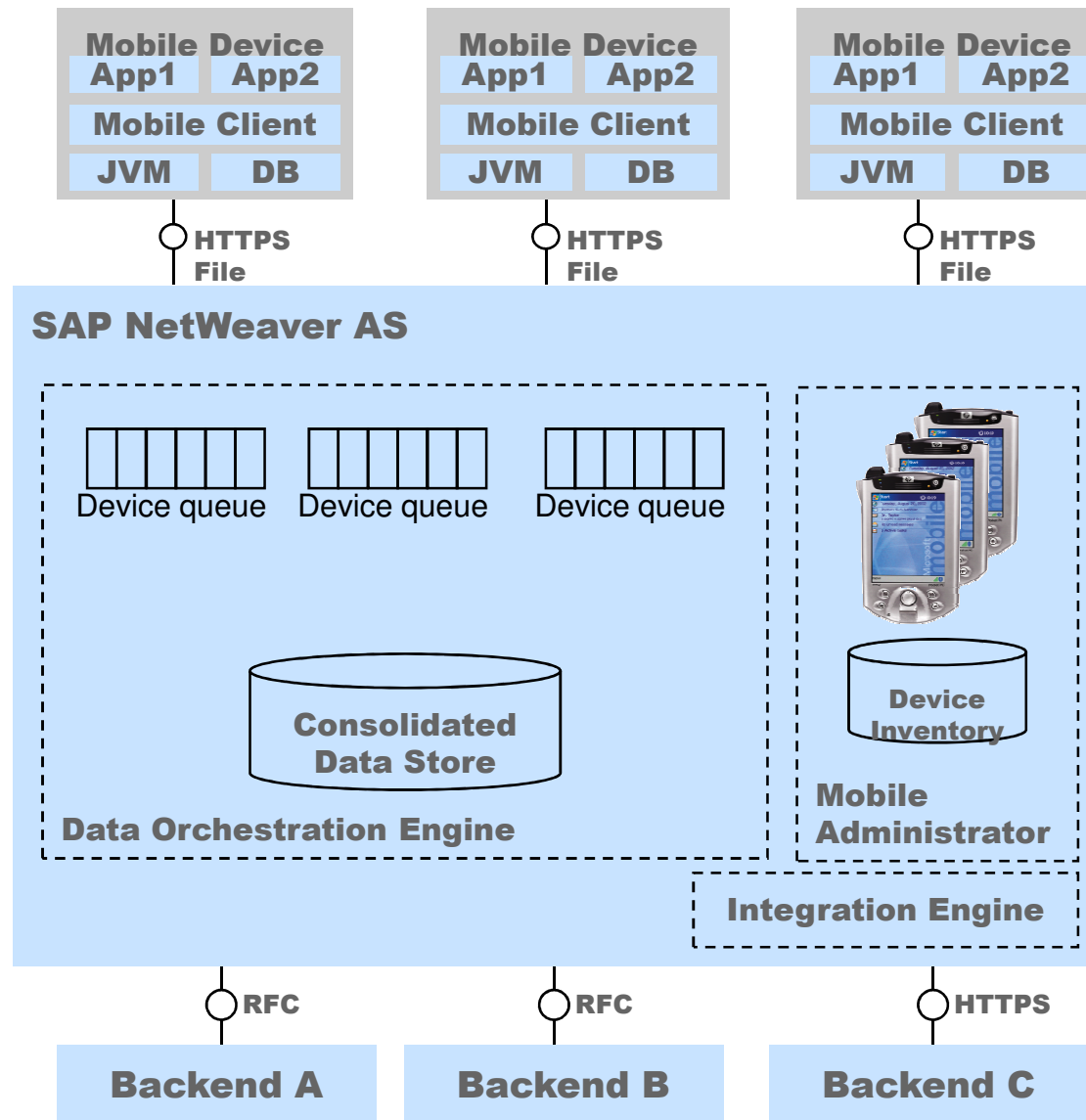
Mobile Direct Store Delivery



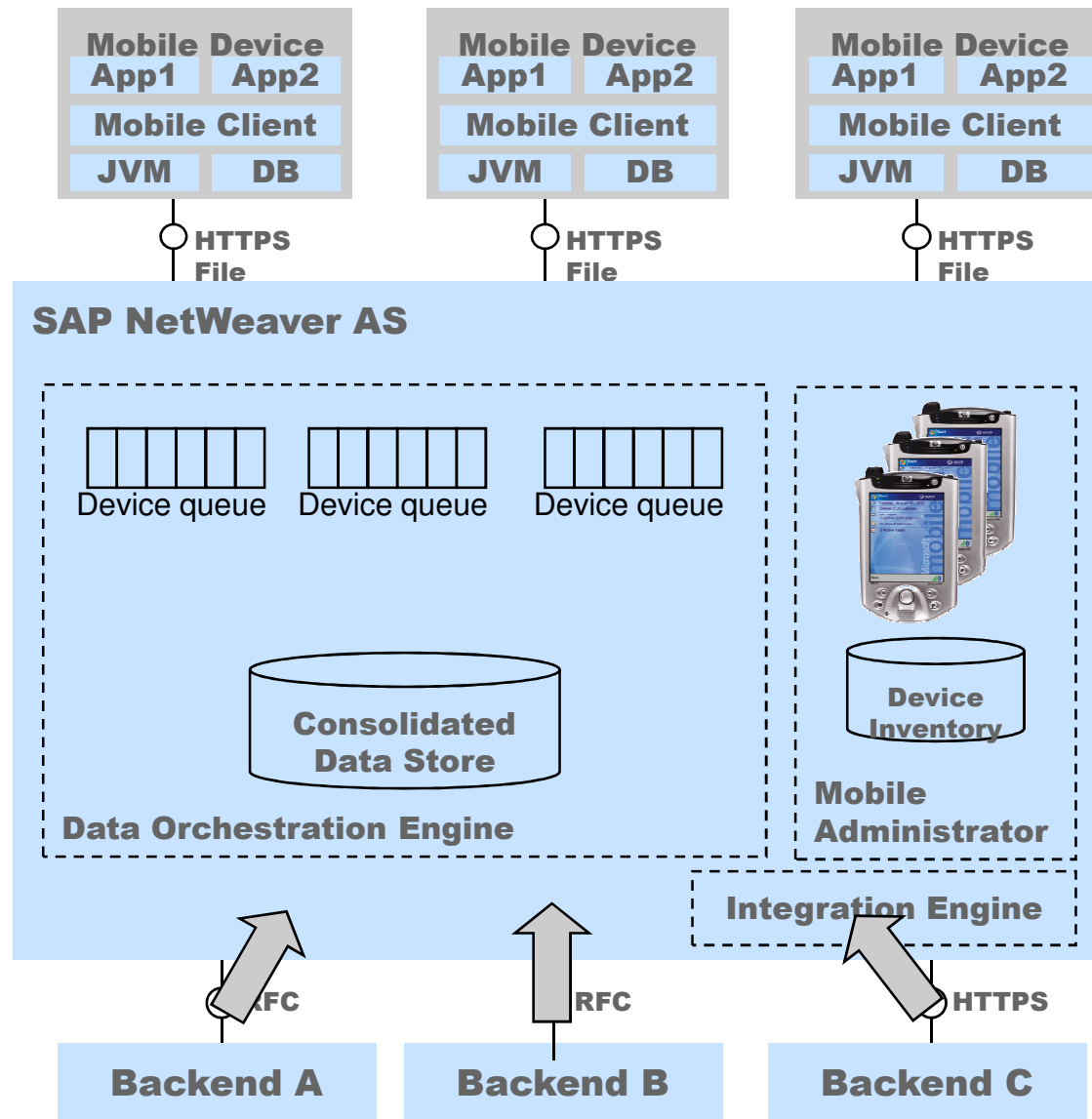
Mobile Warehouse Management



Technical Architecture - Introduction



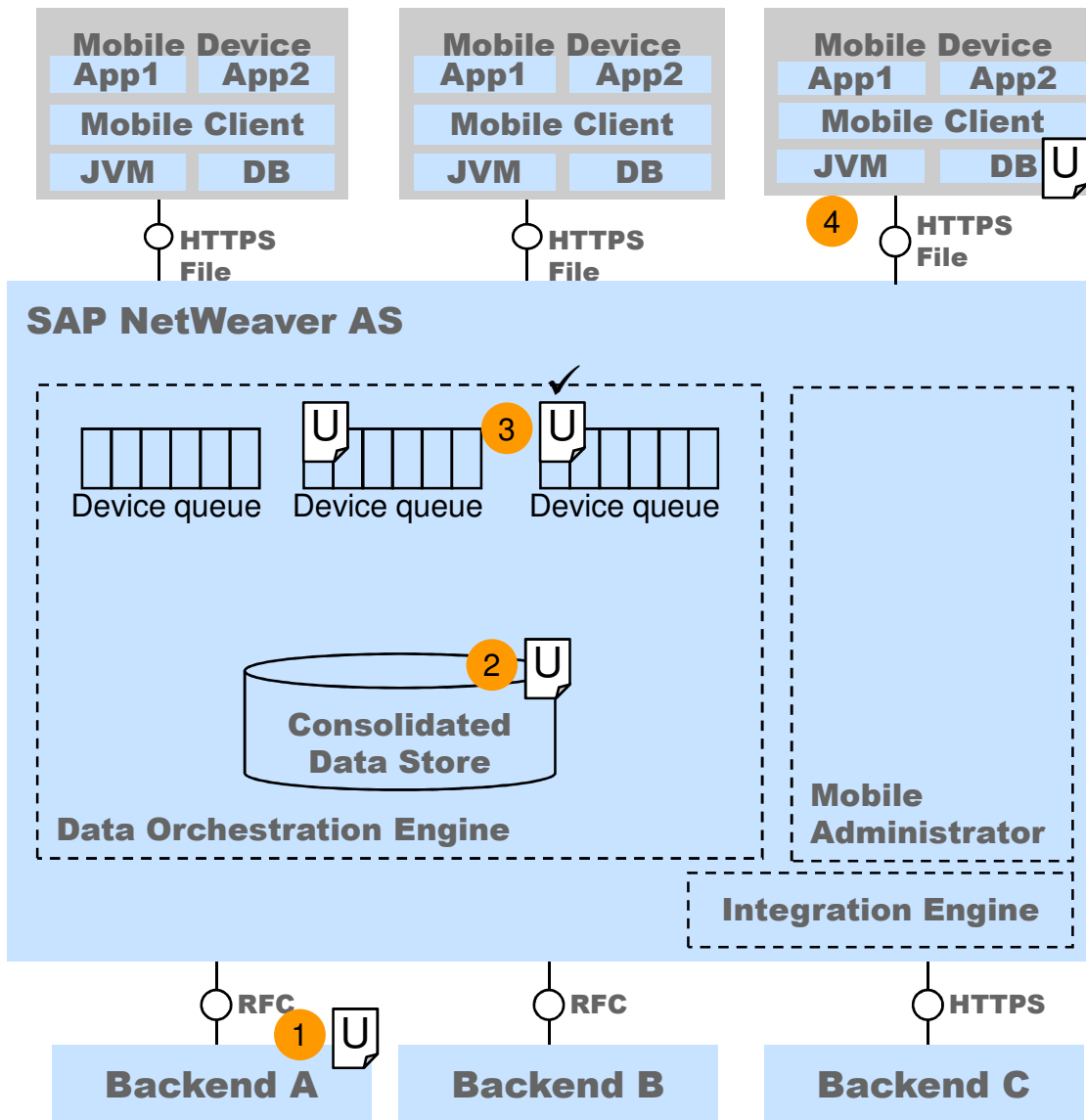
Data Object instances in CDS



Three options:

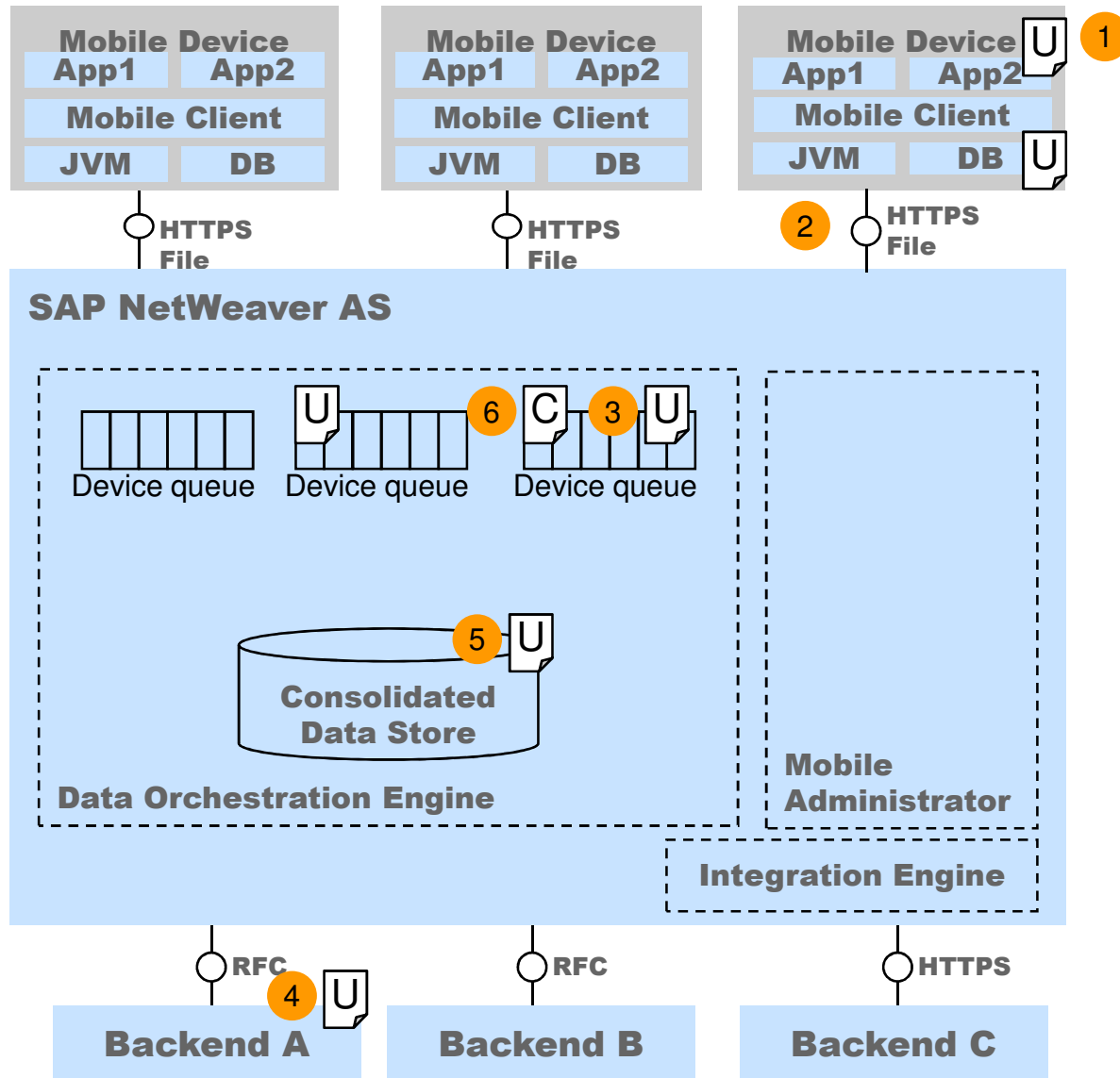
- ❑ Triggered by DOE:
periodic pull of data
- ❑ Triggered by back-end system: back-end system provides keys of changed object instances to DOE
- ❑ Back-end pushes instance or update to DOE
- ❑ Create/Update/Delete from Mobile device.

Update from Backend



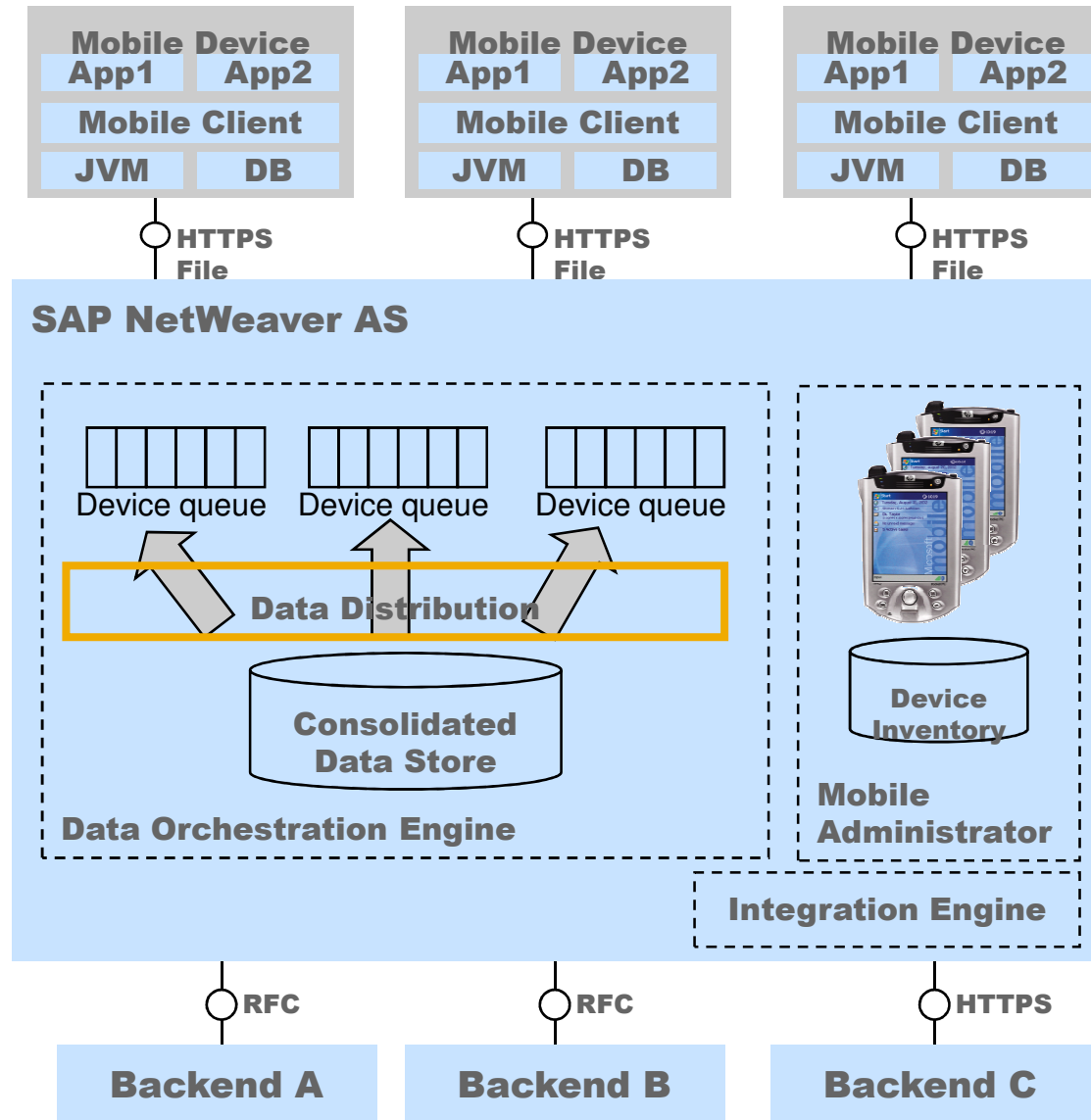
Object instance is updated in back-end system

Update from Mobile device



Object instance is updated on mobile device

Device Queues & Data Distribution



CDS changes are tracked

- ❑ Extract service fills outbound queues with updates

Three options for triggering extract service:

- ❑ CDS update trigger extract
- ❑ Job (periodical)
- ❑ Next device sync

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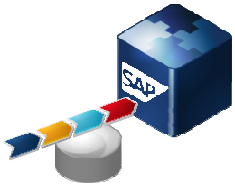
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NetWeaver Mobile Interface Certification (NW-MOB-DCCI 7.1)



Aim

- ❑ To certify interfaces that communicate with SAP NetWeaver Mobile 7.1



Scope

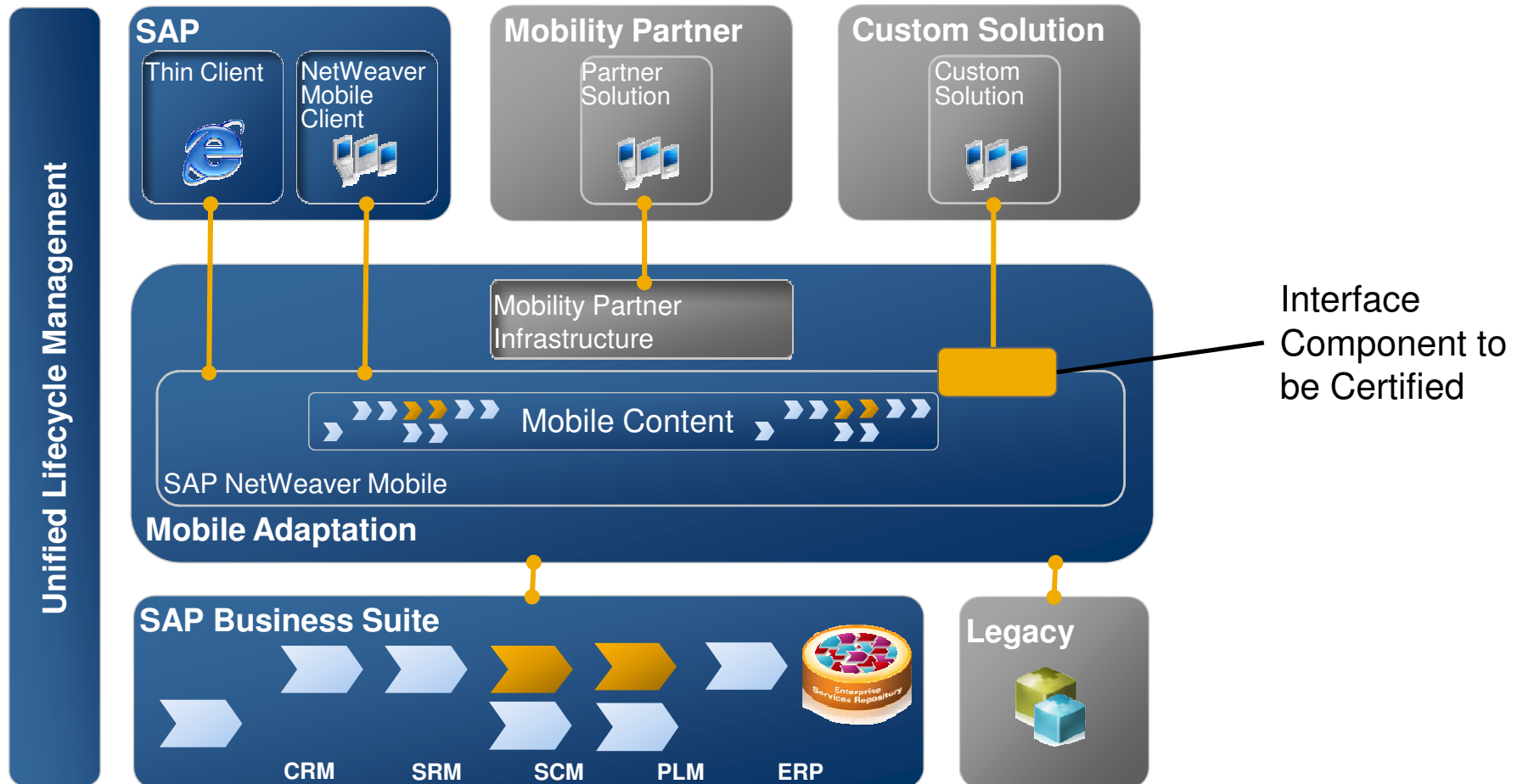
- ❑ Mandatory APIs (Register, Login, Logout, Post, Get, Confirmation)
- ❑ Optional APIs (Meta-data related APIs, Deployment, monitoring, ...)
- ❑ Product version: SAP NetWeaver Mobile 7.1



Not in Scope

- ❑ Mobile application or framework that uses the interface

NetWeaver Mobile Interface Certification-Overview





- ☐ Interface should be able to manage complete commands issued by the Data Orchestrated Engine(DOE).

☐ **Functions to be verified:**

- ☐ Registration
- ☐ Synchronization
- ☐ Login
- ☐ Get Messages(Create/Update/Delete)
- ☐ Post Messages(Create/Update/Delete)
- ☐ Confirmation/Rejection detection
- ☐ Conflict detection
- ☐ Logout
- ☐ Reinitialization of Device



About the Certification

- ❑ SAP Integration and Certification Center (SAP ICC) certifies interfaces that are developed by partners/ISVs to integrate custom mobile applications.
- ❑ SAP NetWeaver Mobile 7.1 allows custom mobile clients to integrate with the Data Orchestration Engine. DOE exposes a certain set of APIs to enable this integration. Partners can create a interface that uses these APIs, and enable their mobile applications to communicate with the DOE.
- ❑ All interfaces that are successfully certified will be provided the SAP Certification logo, Certificate, Test report and will be listed on SAP Partner Information Center (PIC).

How the Certification will be carried out

- ❑ SAP ICC will certify this interface, by testing all the functionalities of the interface.
- ❑ The interface will be required to comply with the minimum and mandatory functionalities as listed in the Interface Certification Guide.

Not in Scope of Certification

- ❑ Partners use the mobile interface to integrate with their custom applications. Currently, the functionality of the mobile applications that use the interface is not considered for certification.
- ❑ The decision for certifying mobile applications shall be taken at a later point in time. Then for such a certification, the interface certification will be a mandatory requirement.

Program Definition



SAP NetWeaver Mobile 7.1 allows custom mobile clients to integrate with DOE via exposed API's to enable this integration. Partners can create a interface using these API's and enable there mobile applications to communicate with DOE.

**NW-MOB-
DCCI 7.1**

- Certification contract will be for the interface to be certified
- **Certification Validity**
 - 3 yrs. from the Date of Certification
- There is no certification renewal concept, it will need to be re-certified.
- Logo: **SAP Certified – Certified for SAP NetWeaver**
- Partner Directory: Yes
- **Pricing:** Certification fee - EUR 7000



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NetWeaver Mobile Device Certification (NW-MOB-DEV 7.0 & 7.1)



Aim

- ❑ To certify mobile devices that are capable of running the SAP NetWeaver Mobile client.



Scope

- ❑ Mobile devices (incl. peripheral)
- ❑ Performance of the mobile client on devices (in terms of minimum memory requirements)
- ❑ Version: SAP NetWeaver Mobile 7.0(MI 7.0) & SAP NetWeaver Mobile 7.1



Not in Scope

- ❑ Functionality of mobile applications

Mobile Market Role Segmentation



GENERAL MOBILE USERS



FUNCTION

*Voice
Interface*

BUSINESS MANAGERS



FUNCTION

*Real Time Information
&
Huge Data Source*

FIELD FORCE



FUNCTION

*Connectivity Issues
&
Pre-Selective Information*

WAREHOUSE EMPLOYEES



FUNCTION

*Real Time
Information*

FIELD FORCE EXPERTS



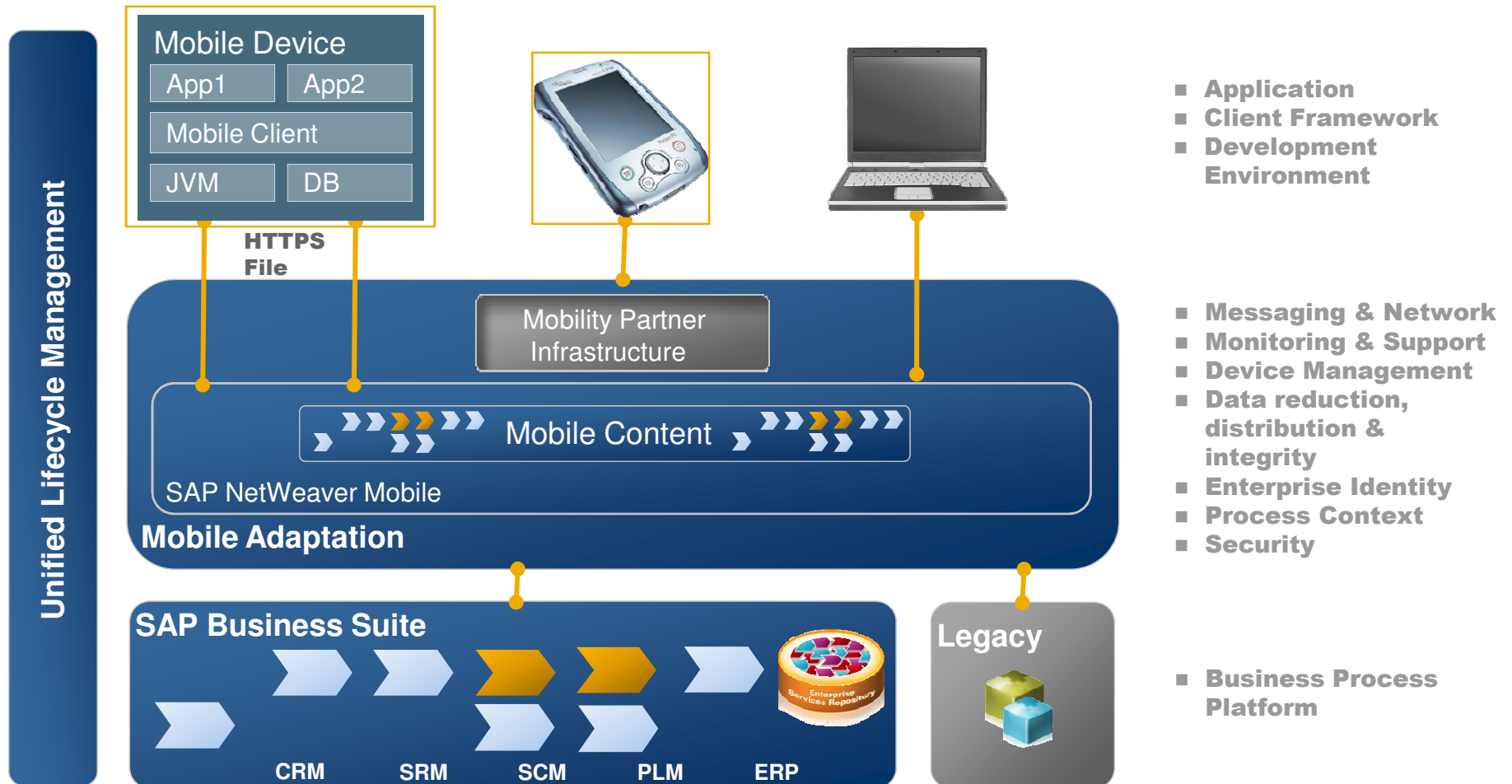
FUNCTION

*Connectivity Issues
&
Rich Feature
Requirements*

SAP NetWeaver Mobile Client Architecture Overview



Device to be certified



Certification Process



About the Certification

- SAP Integration and Certification Center (SAP ICC) shall henceforth certify mobile devices that are capable of running SAP NetWeaver Mobile Clients.
- SAP NetWeaver Mobile 7.1 and SAP NetWeaver Mobile 7.0 (MI 7.0) are versions considered for this certification. The devices will be certified separately for each of the mentioned versions.
- All interfaces that are successfully certified will be provided the SAP Certification logo, Certificate, Test report and will be listed on SAP Partner Information Center (PIC).

How the Certification will be carried out

- SAP ICC will perform the standard test cases for the SAP Mobile Clients on the device against the applications(.JSP, .AWT & .OCA) & for different database(SAP MINdb & IBM DB2e).
- All the test cases must run on the Mobile devices successfully, with a minimum acceptable performance, to receive certification.
- If the device has a peripheral component, then the drivers for the peripheral component must also be provided. SAP ICC shall verify whether the peripheral component can be accessed from the SAP Mobile clients.

Program Definition



We certify a mobile device if a sample application developed using SAP NetWeaver Mobile functions successfully as per the criteria, when deployed on that device.

NW-MOB-DEV 7.0 & 7.1

- ☐ Certification contracts will be as per the number of devices to be certified
- ☐ **Certification Validity**
 - 3 yrs.
 - Certified device is manufactured and sold, AND
 - SAP NW release
- ☐ There is no certification renewal concept, it will need to be re-certified.
- ☐ Logo: **SAP Certified – Certified for SAP NetWeaver**
- ☐ Partner Directory: Yes
- ☐ PAM: Certified devices will be listed in PAM by Product Management.
- ☐ **Pricing:** Certification fee - EUR 2000 per device (individually for 7.0 & 7.1)
 - Discounts for bulk contracts:** 5 devices - EUR 8,000
 - 10 devices - EUR 15,000



Where to find more information?



Links

Integration and Certification Center(ICC):	http://www.sdn.sap.com/irj/sdn/icc
Partnership:	https://www.sdn.sap.com/irj/sdn/partnership
Certification related queries:	icc@sap.com
SAP Community Network:	https://www.sdn.sap.com/irj/scn
SAP Help Documentation:	http://help.sap.com
SAP Remote Access Connectivity:	https://www.sdn.sap.com/irj/sdn/saprac
ICC SAP Remote Access:	rac-support@sap.com
SAP Guidelines for Best-Built Applications:	http://www.sdn.sap.com/irj/sdn/bestbuiltapps

Questions?



Thank you!

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