SAP Solution Manager Ready

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Big Picture and Benefits

THE BEST-RUN BUSINESSES RUN SAP™

SAP

SAP Solution Manager – Best-in-class Management of true SAP Solution Essentials

The SAP Solution Manager

- Provides tools, content and best practices during the complete life-cycle
- Is mandatory for all Business Suite 2005 and beyond customers

SAP recommends to use SAP Solution Manager release 4.0

SAP Partner

SAP Customer

SAP Active Global Support

3rd party Management Tools

SAP Solution Manager

„Deploying SAP Solution Manager is a best practice step every customer should take to prepare for the world of enterprise service-oriented architecture"
Derek Prior, AMR Research

SAP Solution Manager for all phases of the application management life cycle

SAP

Implementation of SAP solutions
- SAP methods & tools
- Global rollout
- Customizing sync.
- E-learning mgmt.
- Test management

Upgrade of SAP solutions
- SAP methods & tools
- E-learning mgmt.
- Test management

Change Request Management
- Follows ITIL standards
- Maintenance processes
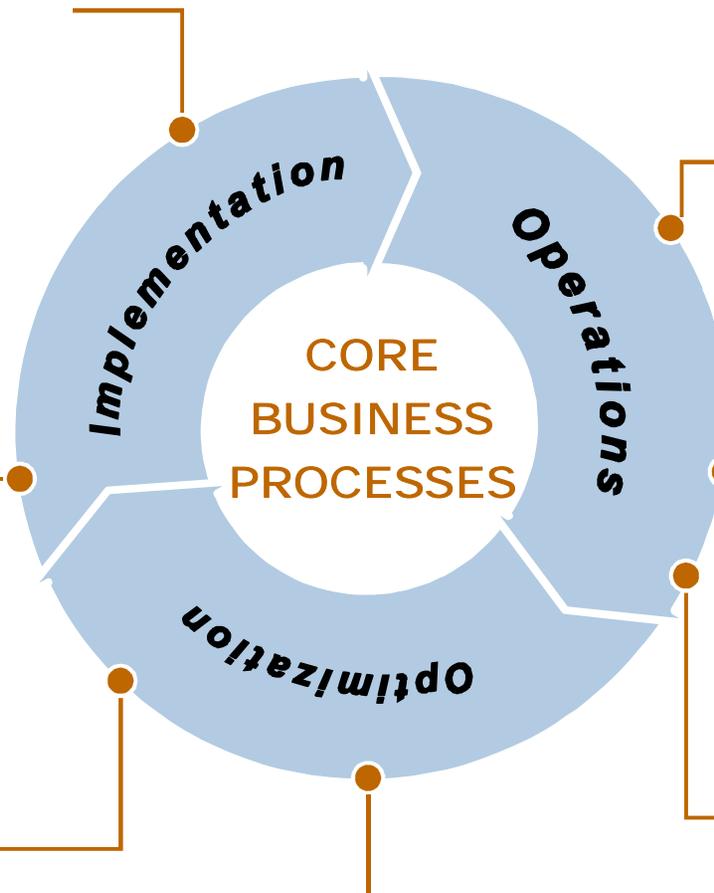
Delivery of SAP Services
- Onsite/remote delivery
- Issue Management

CORE BUSINESS PROCESSES

Implementation

Operations

Optimization

Solution Monitoring
- System monitoring
- Business process monitoring
- Central system administration
- Solution reporting
- Service Level reporting
- SAP EarlyWatch Alert

Service Desk
- Best Practices for messaging
- Integration of 3rd-party help desks

Root Cause Analysis
- Safe remote access
- Performance measurement
- Logs and Dumps
- Traces
- Technical configuration

SLD Registration and Solution Manager Integration

PPMS

Synchronize, XML

SLD Master Component Repository

Update

System Landscape Directory

Automatic Registration

Installed SAP Products

XML

SIdreg

3rd-Party / Software Component

Registration at Installation

Additional Field "Manufacturer"
Allows direct access to 3rd Party home-page

SAP Solution Manager

SAP Solution Manager / Diagnostic

SM Agent

3rd Party Logs

3rd Party Config

SAP

SAP Customer

Benefits of SAP Solution Manager Ready

SAP

... to CUSTOMERS

Enhance Return on Investment

- **Reduce integration costs with pre-certified solutions for SAP applications**
- **Decrease deployment risks for solutions running on SAP NetWeaver with SAP endorsed technologies**
- **Aim for minimal interruption during software upgrades**

Offer Choice

- **of 3rd party solutions which either extend SAP functionality and/or run on SAP NetWeaver**

Reduce Downtime

- **SAP Solution Manager Ready integration testing**
- **Regular re-certifications**

Provide Transparency

- **New logos clearly document technical integration area**

... to PARTNERS and ISVs

Opportunity for better Customer Landscape integration

- All Third Party Product-Version and Software Component-Version Data will be visible in the SLD Software Catalogue and the Solution Manager Product Definitions at Customer Site
- Better Integration and Faster Support

Marketing Benefits

- Logo and Endorsement Line "SAP Solution Manager Ready"
- Online listings

There are no additional fees within a new certification

Big Picture and Benefits

PPMS

SLD Registration

Requirements

How to get the Tools and Documentation?

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What is PPMS?

PPMS is the central knowledge repository for technical information on
SAP software components, products, processes, and scenarios.

We have extended this repository with Third Party Vendor Product and Software Component data information.
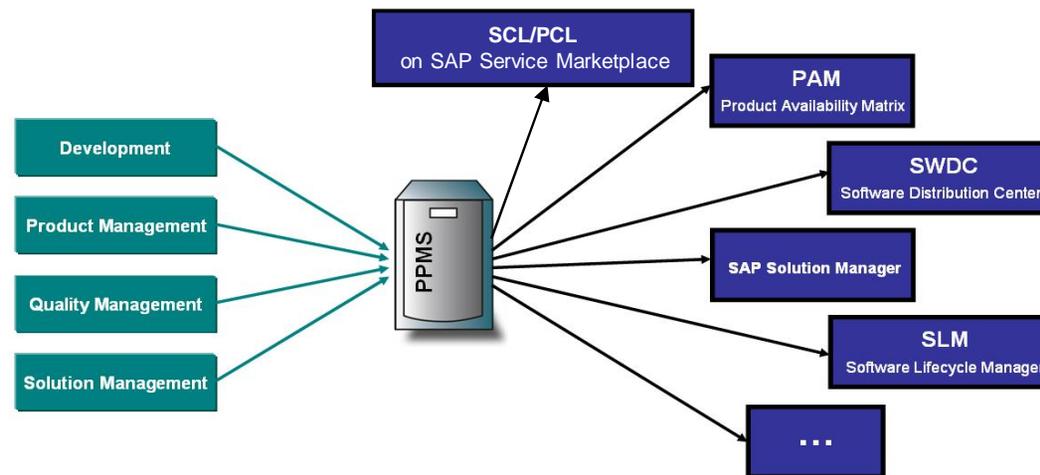
- PPMS is the foundation for many internal and external tools and services. → high PPMS data quality is important / crucial / essential
- Depending on the development status the appropriate development team, the product management, the quality management, or the solution management maintains the data in PPMS.

What is PPMS?
(Product and Production Management System)

(Core-)PPMS:

Central knowledge repository for (technical) information on SAP products and software components.

Since January 2008 also Third Party Vendor products.

We have currently

- ❑ *489 - 3rd Party Vendor Products in PPMS*

- ❑ *495 - 3rd Party Vendor Product-Version in PPMS*

- ❑ *514 - 3rd Party Vendor Software-Components in PPMS*

- ❑ *522 - 3rd Party Vendor Software-Component-Versions in PPMS*

PPMS Entry Maintenance after Certification for the 3rd Party Product

It is extremely important that we enter the most accurate data for each Product

Parts of the data will be extracted and transferred to the SLD and/or Solution Manager such as

> ➢ *Info URL*

> ➢*Manufacturer's Domain*

PPMS Entry Maintenance after Certification for the 3rd Party Product-Version I

Some of the generic data from the Product entry will be linked into the Product-Version

The Technical Information Data must be used for the SLD Registration (e.g. ThirdPartySystem.properties.example)

➢ **Object is the Product-Version**

➢ **Object Number is the Product-Version ID**

PPMS Entry Maintenance after Certification
for the 3rd Party Product-Version II

Availability: 1 entry

Exception	Text of Delivery Time	Int. Stat.	Int. Avail.Date	Ext. Stat.	Ext. Avail.Date	External Visibility
	Certified / Qualified by SAP	Available	07.02.2008	Available	07.02.2008	Customers (S Users) + External

Maintenance: 1 entry

Ex...	Name of Maintenance Date Type	Internal Date	External Date	External Visibility (Name)
	End of mainstream maintenance	07.02.2011	07.02.2011	Customers (S Users) + External

We are going to reflect the lifecycle data for the appropriate Product Version such as:

- ➢ **availability**

- ➢ **Maintenance stream**

Object Properties ...
- **Header Data**
- Availability
- Maintenance
- Activated Instances
- Comprised Component
- Prerequisite Product Ve
- Release Sequence
- Released for
- Support Package Stack
- Upgrade Paths
- ▷ Responsible
- ▷ Technical Information
- Object Settings
- Properties to Change ir

Quick Links ...
- ▽ PPMS Work Center
  - ▷ Search by ...
  - Analytics Browser
  - ▷ Tasks
  - Favorites
  - Maintenance Objects

Analyses for This Object

Description in Language	English
	TATIS Customs Management Solution TATISCMS 2.0

Info URL	http://www.tatis.com/solutions
Linked with	TATISCMS BY TATIS - Info URL
Responsible Organization	Integration & Cert. Center	From Z_Others
Linked with	TATISCMS BY TATIS - Responsible Organizational Unit
Vendor Classification	3rd Party: SAP-Certif. Integr.
Manufacturer's Domain	tatis.com
Linked with	TATISCMS BY TATIS - Vendor Classification
Product	TATISCMS BY TATIS
Release Type	3rd Party (Shipped by 3rd Par)
Type of Product Version	◉ Add-On Product Version
	○ Standalone Product Version

Product Version Components | Graphical Visualization

Fill from Predecessor

Components			Leading Component	Optional	Minimum Support Packag...
▽ TATIScms Java Application					
TATISCMS 2.0			☑	☐	

Prerequisite Product Versions | Graphical Visualization

Add-On Relationships	Required Instance
▽ TATISCMS 2.0 is an add-on to	
▽ SAP NETWEAVER 7.0 (2004S)	
TATIScms Java Application	Requires Application Server Java

- ➢ **Comprised components of the Product Version**

- ➢ **Required SAP Product Versions**

PPMS Entry Maintenance after Certification for the 3rd Party Software Component Version I

On the Software Component Level we have similar entries for the 3rd party solution. Some of the entries are devised meta-data from the product and/or product version.

PPMS Entry Maintenance after Certification for the 3rd Party Software Component Version II

Software Component Version TATISCMS 2.0: Display

It may be very important to know what Dependencies are apply with respect to the required SAP Software Components at installation time

Version of Object	5
Object	TATISCMS 2.0
Object Number	01200314690200007991
Object Type	Software Component Version
Created by	Juergen Becker 11.02.2008 12:58:42
Last Changed by	Juergen Becker 11.02.2008 14:00:51

The Technical Information Data must be used for the SLD Registration (e.g. ThirdPartySystem.properties.example)

➢ *Object is the Software Component-Version*

➢ *Object Number is the Software Component-Version ID*

How we collect the PPMS data

In the Solution Manager Ready upgrade package we have two documents available to collect the Data.

The Document reflects the major entries for the:

> *Product-Version*

> *Software Component Version*

> *Release dependent entries*

> *Required SAP Product/SW-Component dependencies*

- *a step by step guide on how to use the PPMS Data Collection Document*

- *The PPMS Data Collection Document itself*

SolMan_TestReport and PPMS Data Collection.doc

Step by Step Guide SOLUTIONMANAGERREADY.pdf

Microsoft Office
rd 97 - 2003 Docum

Adobe Acrobat
Document

Big Picture and Benefits

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Registration of Third Party Software Components

Certification Step: SLD Registration

SAP

Master Component

Repository update

frequently

SAP Software Components,

ABPA/Java and XI

Components are registered

automatically

Customer
SLD

Customer

Solution Manager

SolMan Diagnostic

Other Third Party Software

Components using

"sldreg-form"
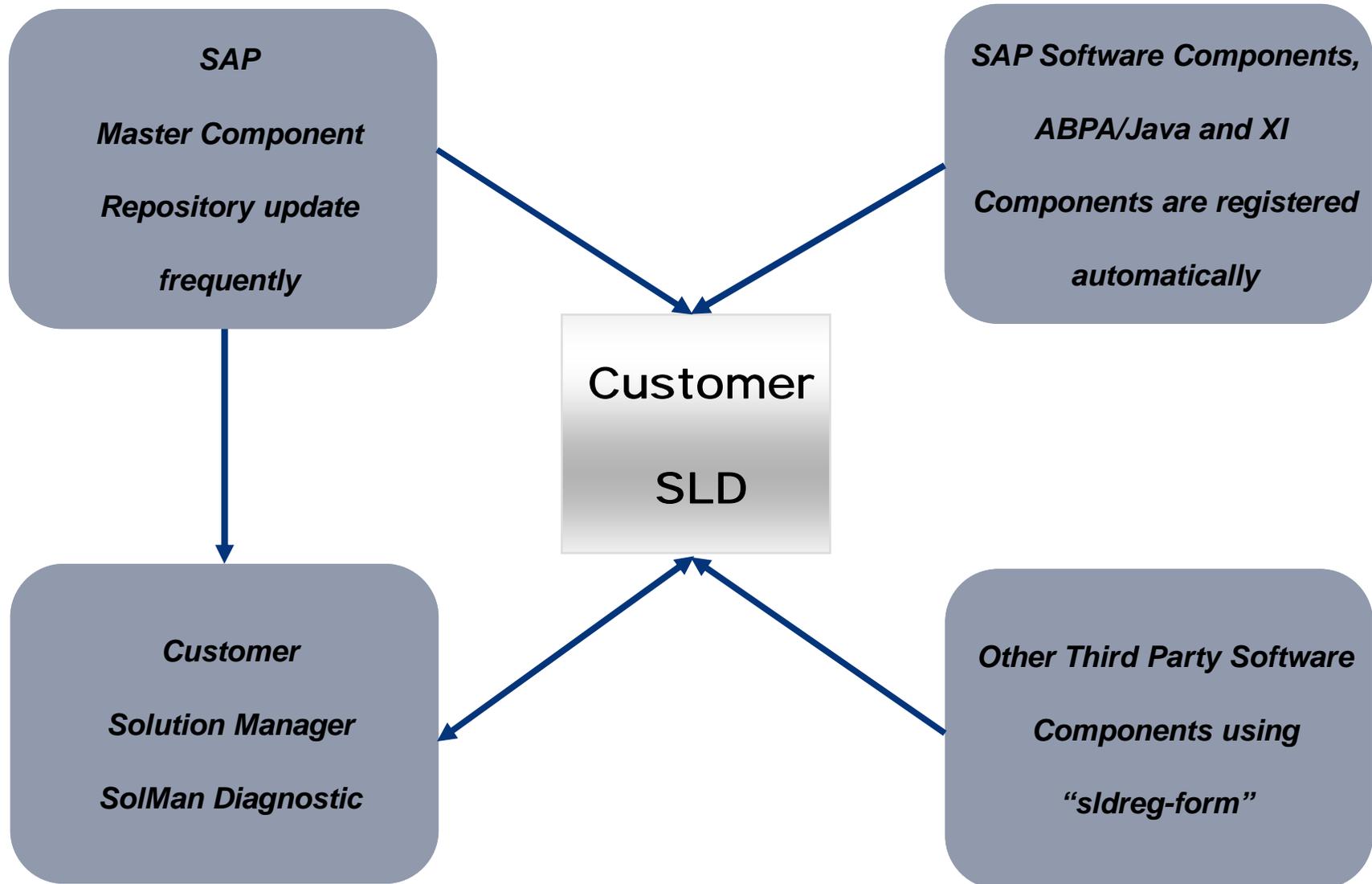
Register your Product on the SLD

What we want to achieve with the 3rd Party Product Registration in SLD

1. *All Landscape Components are visible from a single point of access – Solution Manager*

2. *Have common "Content Information" available for all Landscape Components*

3. *Apply a mandatory mechanism (Data Supplier) for all Components to transfer this content to the single point of access.*

4. *Describe the SLD-Registration in an Installation Guide or appropriate*

5. *Make sure that this step will be executed at least once at installation time*

The registration itself contains only three steps

- Enter the Product-Version and SW-Component Version specific data in a sample text file
- Compile this text file in XML file
- Send this XML file to the SLD

Register your Product on the SLD I

```
# ***********************************************
#
# Change the following parameters with respect to your software.
# ***********************************************
# Enter the prefix of your system name in SLD (CIM_System.Name).
# The parameter value should reflect the software features.
# Version information should not be contained.
#
LocalSystemName = TATISCMS_20
#
# Enter the key properties of your Product Version.
# 1. Your product is entered in the SAP software catalog (PPMS).
#    The four key values listed below can be retrieved from
#    the SLD software catalog or your SAP contact person. The
#    ProductID is called the PPMS number. The ProductVendor has
#    to be "sap.com".
# 2. You provide the product meta-data yourself.
#    Use the same format as products delivered by SAP (vendor = "sap.com"),
#    but avoid name conflicts with SAP products.
#
ProductID = 0
ProductName = TATISCMS
ProductVendor = sap.com
ProductVersion = 2.0
```

If the PPMS entry is life we must enter the real Object Number for this Product Version 01200314690900000986 instead of zero

```
# Enter the key properties of your Software Component Version.
# 1. Your product is entered in the SAP software catalog (PPMS).
#    The four key values listed below can be retrieved from
#    the SLD software catalog or your SAP contact person. The
#    SoftwareComponentID is called the PPMS number. The SoftwareComponentVendor
#    has to be "sap.com".
# 2. You provide the software component meta-data yourself.
#    Use the same format as software components delivered by SAP (vendor =
#    "sap.com"), but avoid name conflicts with SAP software components.
#
SoftwareComponentID = 0
SoftwareComponentVendor = icc.com
SoftwareComponentName = TATISCMS
SoftwareComponentVersion = 2.0
#
# Enter the name of the host where your system is installed.
# The name specified here needs to be substituted at run time.
# The value must be entered in lower case without any network domain.
ComputerName = WDFN00157849A|
#
```

If the PPMS entry is life we must enter the real Object Number for this Software Component Version 01200314690200007991 instead of zero

SAP ICC provides

In the Solution Manager Ready package

A sample Java program to convert the

Text file in a XML file

Example:

java com.sap.lcr.tools.xmlTools.ThirdPartySystemXMLGenerator . ThirdPartySystem.properties ThirdPartySystem.template . ThirdPartySystem.xml.

■ **in the current directory a XML file _ThirdPartySystem.xml_ will be created**

■ **please do not remove the file _ThirdPartySystem.template_**

Register your Product on the SLD II

Customer SLD

Other Third Party Software Components using "sldreg-form"
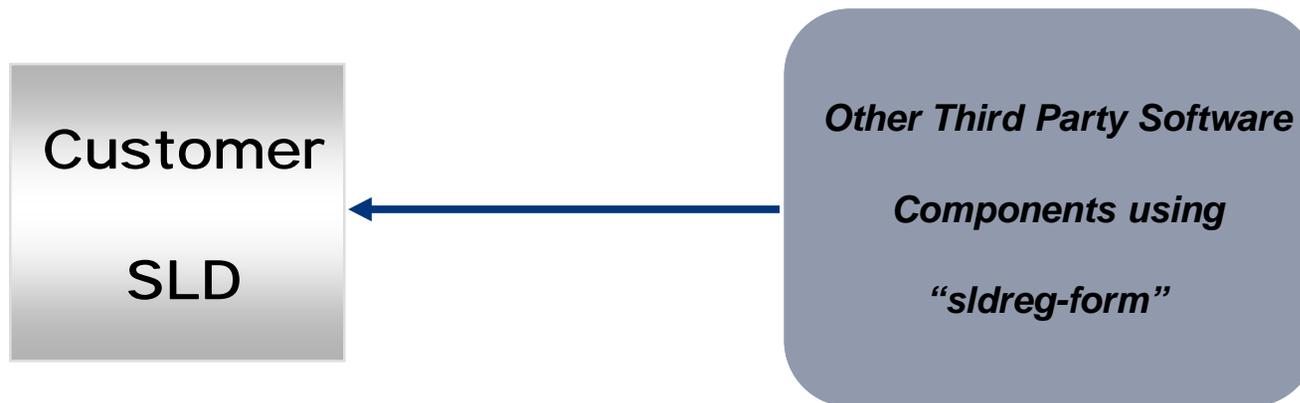
SAP ICC provides

In the Solution Manager Ready package

A sample Java program to actually send the

XML file to the SLD host

Example:

Java –cp . Example/Test host port passw ThirdPartySystem.xml

You can run the program with the following HTTP connection information in the command line, or you integrate this example in your installation routine.

■ **Server Host – the host on which the SLD server is running (e.g. for testing you can use iccsolman40.sap.com)**

■ **Port – the HTTP port on which the SLD server is running (e.g. for testing you can use 80)**

■ **User Name (e.g. you can use our "3rd-party" account)**

■ **Password (e.g. you can use the password "isvconnect08" for this account)**

■ **the XML properties file – (e.g. ThirdPartySystem.xml)**

Register your Product on the SLD III

The data is registered in the SLD server. In the technical systems views in the SLD, you can see the details about the third-party systems you have registered.

If the registered data is correct and equal to the data found in the SLD product and component repository the correct link will be shown immediately under Installed Products, in case of an error this linked data information is missing.

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Third Party Product – Test Requirements

SAP

Requirements for 3rd party applications

- Entry in PPMS system will be delivered monthly in the SLD Content and transferred to any SAP Customer

- Automatic registration at customer's SLD

- For JAVA applications
  - As of SAP NW 7.00 (2004s) all J2EE-DEP and J2EE-STD certification candidates (SSPs) need to build their product in SAP compliant deployment format (SCA files) SDM? The Application must use the Logging Framework of the J2EE-engine

- For ABAP add-on applications
  - As of SAP NW 7.00 (2004s) all ABAP add-on certification candidates (SSPs) need to build their product in SAP compliant format (import via SAINT). The Application normally use the System Log of the ABAP Stack.

- For XI products
  - As of SAP NW 7.00 (2004s) all XI-Content or XI-Adapter products are automatically registered since the SLD is an essential part of XI. The Application must use the Logging Framework of the XI-Framework (J2EE-engine).

- For Adaptive Computing products (AC-CCI)
  - As of SAP NW 7.00 (2004s) all Adaptive Computer controller command interface products are automatically registered since the SLD is an essential part of AC

- For Non ABAP/J2EE applications
  - As of SAP NW 7.00 (2004s) all certification candidates (SSPs) need to integrate the sldreg (SLD registration form) in their products to register in the SLD at customer side. And deliver the Log (Trace) and Configuration files in a human readable format to start a simple Root Cause Analysis from Solution Manager Diagnostic.

Big Picture and Benefits

PPMS

SLD Registration

Requirements

How to get the Tools and Documentation?

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Download Tools & Dokumentation from SDN

- The complete Tools-set and Documentation is available on the ICC-SDN Web site
- Alternatively you can request the latest and current versions from juergen.becker@sap.com
  - https://www.sdn.sap.com/irj/sdn/go/portal/prtroot/docs/webcontent/uuid/50545502-22ef-2910-3f90-f3983720d0a1

Extract the Tools in private Folder
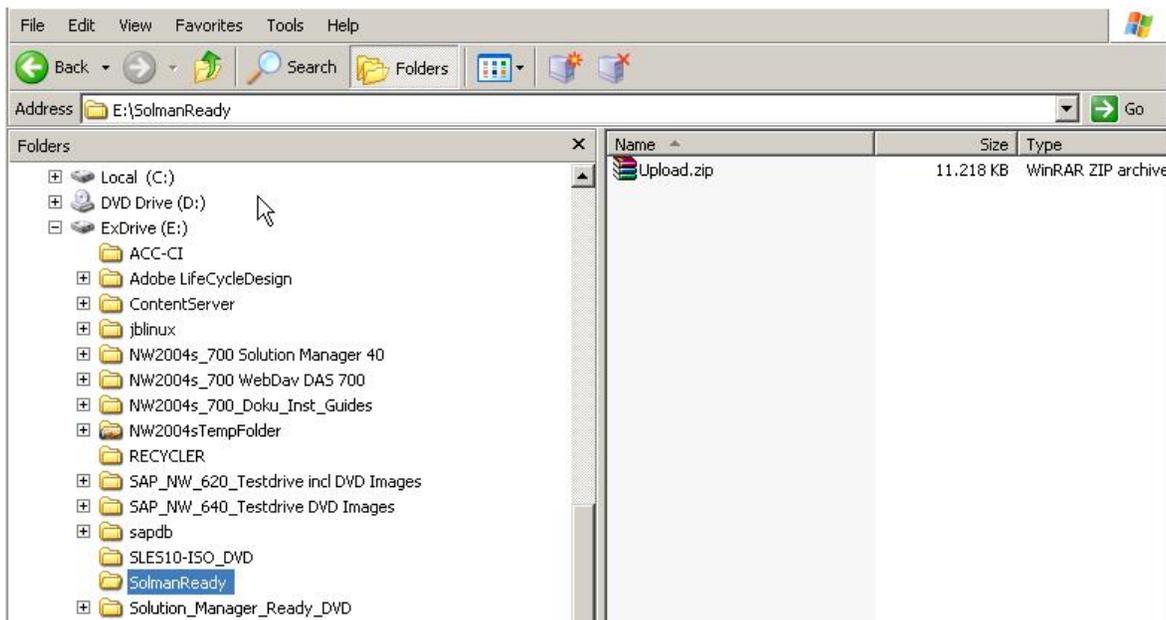

Please use an appropriate Tool (e.g. WinZip) to unzip this package
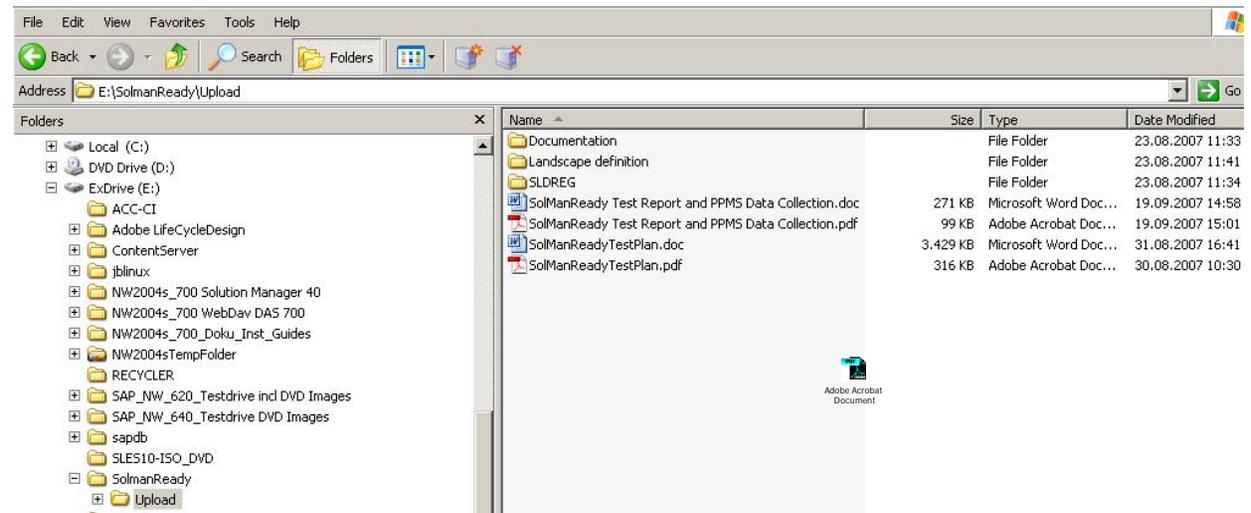
Content in the Folders
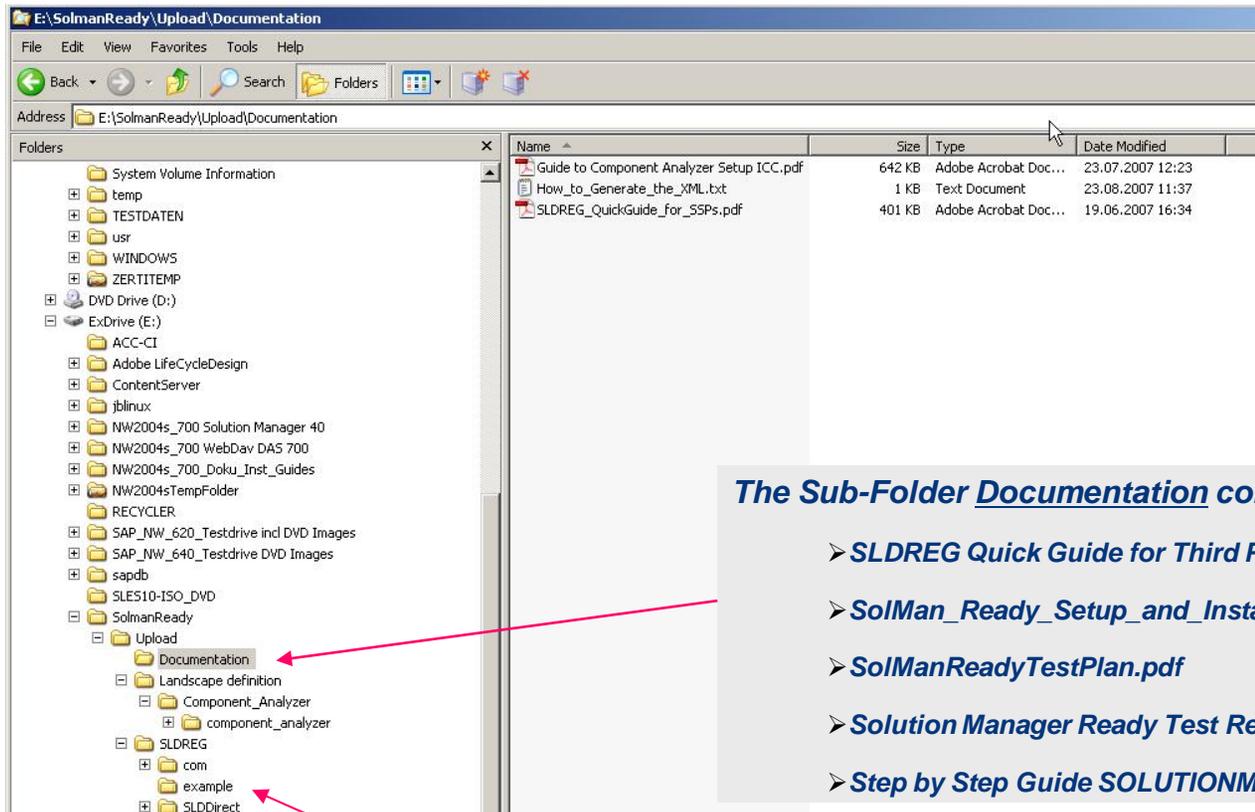
The Sub-Folder <u>Documentation</u> contains the following documents:

- ➢ *SLDREG Quick Guide for Third Party Vendor*
- ➢ *SolMan_Ready_Setup_and_Installation.ppt*
- ➢ *SolManReadyTestPlan.pdf*
- ➢ *Solution Manager Ready Test Report and PPMS_Data_Collection.pdf*
- ➢ *Step by Step Guide SOLUTIONMANAGERREADY.pdf*

The Sub-Folder <u>SLDREG</u> contains the templates and sources for the registration on the SLD:

- ➢ *..\com\sap\cr\tools\xmlTools\ThirdPartySystemXMLGenerator.java*
- ➢ *..\example\Test.java*

Short Demo

Thank You