



**Former Member**

March 12, 2014 4 minute read

## ADS Installation and Configuration in NW7.3 or higher

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Hi all,  
I hope this helps.

### ADS Installation and Configuration

**Introduction:** Adobe Document Services (ADS) enable form-based processing of business data triggered by both ABAP- and Java-based applications. It is an additional SAP NetWeaver solution extension included in the SAP NetWeaver usage type AS Java

#### Installation checks:

1. Check whether ADS is installed on PI Java Stack

<http://<AS Java hostname>:<port>/monitoring/ComponentInfo>

2. If it is installed, Configure the communication between PI and ECC

If it's not installed follow below steps to install it.

- Download support package ADSSAP07\_0-10009589.SCA (SP07for ADOBE DOCUMENT SERVICES 7.31) from SAP support portal.
- Upload SCA file to AS Java server (any temp location).
- Logon to AS Java server console via SSH with <sapsid>adm user.
- Execute *telnet localhost <telnet port>* and login with administrator of AS Java user (*Administrator* or similar).
- Execute */sc* (refer to SAP Note 1715441)
- Deploy SP07 for ADOBE DOCUMENT SERVICES 7.31  
(refer to [http://wiki.scn.sap.com/wiki/display/TechTSG/\(JSTSG\)\(Telnet\)DeployController+Commands?original\\_fqdn=wiki.sdn.sap.com](http://wiki.scn.sap.com/wiki/display/TechTSG/(JSTSG)(Telnet)DeployController+Commands?original_fqdn=wiki.sdn.sap.com))  
with command:  
*deploy /tmp/ADSSAP07\_0-10009589.SCA on\_deploy\_error=stop*  
*Note: during deployment of ADSSAP component AS Java server instance is restarted.*

- Execute
- *telnet localhost <telnet port>* and login with administrator of AS Java user to re-connect to Deploy ControllerTelnet.
- Execute *get\_result* to view results of deployment.
- Open <http://<AS Java hostname>:<port>/monitoring/ComponentInfo> and verify that ADSSAP is listed under System information: Components Info.

• **System Information: Components Info** Rest

Favorites Related Links Go To Support Details

System Information Components Info

**Software Components**

Export to Spreadsheet

Vendor	Name	Version
sap.com	ADSSAP	1000.7.31.7.0.20130320170100
sap.com	AJAX-RUNTIME	1000.7.31.7.1.20130414215700
sap.com	BASETABLES	1000.7.31.7.0.20130220204800
sap.com	BI-BASE-B	1000.7.31.7.0.20130221023800
sap.com	BI-BASE-E	1000.7.31.7.0.20130221023800
sap.com	BI-BASE-S	1000.7.31.7.0.20130221023800
sap.com	BI-WDALV	1000.7.31.7.0.20130220214100
sap.com	BI-WDEXT	1000.7.31.7.0.20130221040200
sap.com	BI_UDI	1000.7.31.7.0.20130221021000
sap.com	BPEM-BASE	1000.7.31.7.0.20130221040700

**Development Components of SCA ADSSAP**

Display: per selected Software Component Export to Spreadsheet

Vendor	Name	Version	Change Number	Apply Time	Location
sap.com	tc~fp~db	7.3107.20130320134523.0000	247766	3/11/2014 3:27 PM GMT	SAP AG
com.adobe	TrustManagerService	1040.20121017114537.881796		3/11/2014 3:27 PM GMT	Adobe Systems
com.adobe	AdobeDocumentServices	1040.20121017114537.881796		3/11/2014 3:28 PM GMT	Adobe Systems
com.adobe	DocumentServicesConfiguration	1040.20121017114537.881796		3/11/2014 3:27 PM GMT	Adobe Systems

### Configuration: As ADS

are running on an AS Java (PI) and form processing is performed in an ABAP (ECC) environment, we have to configure the communication between the Form Processing Framework running on AS ABAP and the ADS running on AS Java.

*Note: Refer to SAP Note 925741*

### AS ABAP configuration:

1. Log on to the ABAP system, call transaction SM59, and select 'ADS' from 'HTTP connection to ext. server'.
2. Specify the server name and http port number of the additional stand-alone AS Java.
3. You also need to update the corresponding user and password information on the 'Logon/Security' tab.

The screenshot displays the SAP SM59 transaction configuration for an RFC Destination named 'ADS'. The 'Connection Type' is set to 'G' (HTTP Connection to External Serv). The 'Description' section contains three fields: 'Description 1' with the value 'Adobe Document Services Basic Authentication', and 'Description 2' and 'Description 3' are empty. Below this, there are four tabs: 'Administration', 'Technical Settings', 'Logon & Security', and 'Special Options'. The 'Technical Settings' tab is active, showing 'Target System Settings'. In this section, the 'Target Host' field is empty, with a red annotation 'Java Host name' pointing to it. The 'Service No.' field contains the value '520...', with a red annotation 'Http Port' pointing to it. The 'Path Prefix' field contains the value '/AdobeDocumentServices/Config?style=rpc'.

RFC Destination	ADS		
Connection Type	G	HTTP Connection to External Serv	Description
Description			
Description 1	Adobe Document Services Basic Authentication		
Description 2			
Description 3			
Administration Technical Settings Logon & Security Special Options			
Target System Settings			
Target Host		Service No.	520...
Path Prefix		/AdobeDocumentServices/Config?style=rpc	

RFC Destination	ADS		
Connection Type	G	HTTP Connection to External Serv	Description
Description			
Description 1	Adobe Document Services Basic Authentication		
Description 2			
Description 3			
<div> Administration Technical Settings Logon &amp; Secur... Special Options </div>			
Logon Procedure			
Logon with User			
<input type="radio"/> Do Not Use a User <input checked="" type="radio"/> Basic Authentication			
User	ADSuser		
PW Status	saved		

4. Make sure that create the user ADS\_AGENT with the corresponding role SAP\_BC\_FP\_ICF and SAP\_BC\_FPADS\_ICF exist in AS ABAP. If this user does not exist, create it according to the steps in ADS Configuration Guide.

*Note:*

*When you do connection test for ADS destination in SM59 the result can be "HTTP response: (405) Method not allowed". This is normal.*

5. Open transaction SICF.

6. Choose default\_host → sap → bc → **fp** in the tree.

7. Choose Service/Virt.Host → Activate

8. If AS ABAP and AS Java (with ADS) are installed in different systems, and you want to bundle your forms to improve performance, you also have to activate the **fpads** ICFservice.

### AS Java configuration:

1. Log on to the NetWeaver Administrator of your additional standalone AS Java.
2. Select Server -> Service -> destination -> HTTP.
3. Create an entry 'FP\_ICF\_DATA\_<SID>', where <SID> is the ABAP backend System ID.
4. Enter the ABAP HTTP port (<http://<servername>:<port>>) in the 'URL' field.
5. Enter the user 'ADS\_AGENT' in the User name field, and the corresponding password of ABAP backend system.
6. Save your entries.

The image shows two side-by-side screenshots of the NetWeaver Administrator configuration interface for an HTTP destination named 'FP\_ICF\_DATA\_R6Q'. The left screenshot shows the 'Connection and Transport' tab with the 'URL' field set to 'http://sap01.fhnw.ch:8000'. Below this, the 'Additional Settings for SAP Systems' section is expanded, showing 'System ID' as 'R6Q', 'Client' as '010', and 'Language' as 'EN'. At the bottom, the 'SSL Server Certificates' section is visible with the checkbox 'Ignore SSL Server Certificates' checked. The right screenshot shows the 'Logon Data' tab, where 'Authentication' is set to 'Basic (User ID and Password)'. The 'Basic Authentication' section is expanded, showing 'User Name' as 'ADS\_AGENT' and 'Password' as a masked field (represented by dots).

*Note: When you do ping test for the destination the result can be "Error 404: Not found". This is normal.*

### As Java configuration for WebDynpro Application:

1. Log on to the NetWeaver Administrator of your additional standalone AS Java.

2. Select SOA Management -> Technical Configuration -> Destination Template
3. Management
4. Select 'Create Destination' and Enter following entry:
5. Destination Type: WSIL
6. Destination Name: ConfigPort\_Document
7. URL: <http://<standalone AS Java server name>:<http port>/inspection.wsil>
8. SecurityTab
9. Select Authentication 'HTTP Authentication' and 'User ID/Password (Basic)'
10. Select 'Details' and enter the user ADSUser and the corresponding password.
11. Select 'Save

General		Security	Messaging
Destination Type:	<input type="text" value="WSIL"/>		
URL:	<input type="text" value="http://es.ssp00.three.local:52000/inspection.wsil"/>		
Socket Timeout (in Milliseconds):	<input type="text" value="60,000"/>		
System:	<input checked="" type="radio"/> Java <input type="radio"/> ABAP		
System Name:	<input type="text"/>		
Host Name:	<input type="text"/>		

### Testing ADS Configuration:

- Checking ADS Configuration in an ABAP Environment

1. Log on to the AS ABAP system.
2. Start the transaction SA38.
3. Enter the program name FP\_TEST\_00.
4. Choose Program Execute (F8)
5. Make sure, that the following default values are entered in the respective fields:

- Form:FP\_TEST\_00

- ADS Connection:

ADS or the RFC Destination name specified in your system (if it does not correspond to the default entry)

6. Choose Program Execute (F8)

7. Enter the Output Device.

8. Choose Print Preview.

9. If the system displays a form containing several lines on two pages, the ADS configuration is correct. Otherwise, perform the tests described below.

- [Checking the ABAP Connection to ADS](#)

1. Log on to your SAP system.
2. Start the transaction SA38.

3. Enter the name of the test report FP\_PDF\_TEST\_00.
4. Enter the name of the connection. Enter the default name ADS, or, if you have specified another name, the one you are using in your system.
5. Choose Execute (F8).
6. If the configuration is correct, the system displays the version number of the Adobe Document Services.

- Checking the Destination Service and the ICF Service

1. Log on to your SAP NetWeaver AS ABAP system.
2. Call transaction SA38.
3. Enter the name of the test report  
FP\_CHECK\_DESTINATION\_SERVICE.
4. Execute the test without choosing the option With  
Destination Service.
5. The system renders a test form in the background  
without using the destination service and displays the size of the created PDF.
6. Execute the test again. Now select the option With  
Destination Service.
7. If the settings of the destination service are  
correct, the system displays the same message as before (see step 5).

*Note: Please refer to SAP Note 944221 for Adobe Document Services troubleshooting.*



## Assigned tags

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NW AS Java Administrator (NWA) |

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By **Tobias Hofmann** , Feb 10, 2014

[Screenshots : BusinessObjects BI 4.0 SP 2 Installation part-2](#)

By **Ishteyaque Ahmad** , Jun 12, 2012

[Solving ADS related issues](#)

By **Tobias Hofmann** , Feb 10, 2014

## Related Questions

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[ADS configuration on NW7.3](#)

By **Former Member** , Jan 25, 2012

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[Adobe Document Services installation](#)

By **Former Member** , Jul 03, 2012

## 17 Comments

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March 12, 2014 at 8:34 pm

Excellent post!

Thanks very much!

Like (0)



Former Member | Post author

March 13, 2014 at 11:43 am

Hi Osvaldo,

I am glad you liked it.

Like (0)



Andy Silvey

March 13, 2014 at 7:22 am

Hi,

the process is nicely described, next time, for such an instruction please use a Document as the container and not a Blog.

Question, what is the architectural reason for choosing to host a centralised ADS on PI, instead of an alternative Java stack like CE or Portal (or ADS's own Java stack) ?

Andy.

Like (0)



Former Member | Post author

March 13, 2014 at 11:47 am

Hi Andy,

Thank you very much for your Comment / Suggestion. I will better document it from next time.

In general, There is no specific reason. You Can use other java stacks too. But in my Organisation we have Java Stack on PI, Solution Mnagaer.

And instead building an additional ADS's own Java stack we have used PI in our case.

Like (0)



Andy Silvey

March 13, 2014 at 2:00 pm

Hi Basis Lady,

then that is fair enough and that is the beauty of architecture, every customer situation is different and requires different architecture decisions.

Best regards,

Andy.

Like (0)



Former Member

February 27, 2015 at 10:15 am

Hi Andy,

As you say it's horses for courses in terms of architecture. We went with a dedicated stack for ADS due to CPU+Mem consumption (big/complex Interactive forms can consume up to 1.2GB heap during rendering and burn one CPU) and to mitigate cross component patching requirement conflicts.

Kindest Regards,

Amerjit

Like (0)



Matt Fraser

March 28, 2015 at 4:45 pm

Historically ADS used to be supported only on 32-bit architecture (a limitation of the Adobe component), even while everything else on the Java stack worked in 64-bit, so this was one reason why ADS might have been installed on a dedicated host. Fortunately, this is no longer the case and hasn't been for some time, so this limitation is gone.

Nevertheless, I still prefer to keep this separate, especially as it's not a big deal to spin up a VMware instance to run it. This way, with no additional functions, there are no limitations on NetWeaver versions, and thus you can freely run ADS on the latest and greatest NW 7.4 stack without worrying about interoperability with the rest of your landscape.

Like Amerjit, we're also running custom interactive forms through ADS, although I wouldn't call our usage very heavy. However, that's one additional piece that could be written about for ADS configuration: the installation of the Adobe Reader Rights Credential for interactive forms. I don't think I've seen that mentioned in any of the various ADS blogs or documents I've come across.

Regards,

Matt

Like (0)



Former Member

[July 13, 2014 at 2:28 pm](#)

Thank you for posting such a nice document on ADS . come up with more docs it wud be helpful

Regards,

Jwala.

ESS MSS.

Like (0)

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Former Member

July 14, 2014 at 7:11 am

Hi,

Very nice and helpfull doc.

Looking more helpful docs from your end.

Thanks

Ramesh

Like (0)

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Saurabh Sharma

February 16, 2015 at 12:13 pm

Hello Lady,

Very Nice and informative information about ADS.

Thanks

Saurabh

Like (0)



Former Member

February 27, 2015 at 2:26 pm

Hi Basis Lady,

Thanks for this document And appreciate your help in this area.

Regards,

Ram

Like (0)



Former Member

April 28, 2015 at 4:24 pm

Very useful and neat step by step illustrated

Like (0)



Dieter Lorenz

October 28, 2015 at 9:30 am

Is there is any SSL Config available without Certificates ? In my case I have an problem with the service endpoint. Get an 404 error from the RFC HTTP Connection to the Java 7.4 System.

Like (0)



Matt Fraser

October 28, 2015 at 7:21 pm

Hi Dieter,

No, certificates are part-and-parcel of the SSL protocol. However, if this is just for testing or internal-only use for a small number of people, you don't necessarily have to get the certificates signed. Just add them as trusted exceptions to the browsers of all your users.

Cheers,

Matt

Like (0)



JEGANRAJ R

July 21, 2016 at 6:21 am

Hi,

It is a nice blog.



Regards,

Jegan Raj

Like (0)

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Priyanga G

January 27, 2017 at 4:03 am

Nice bolg !!!.

But It's not showing as a usagetype.

Can you please let me know how to make this avaliable in utl url?

Like (0)

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Jorge Gomez

July 7, 2017 at 4:44 pm

Excelent post, very helpfull

Like (0)

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