Manual Installation of SAP Extractor

(i) Contents:
 Manual SAPEX Installation Local vs Remote Kiuwan Analysis SAPEX Installation Files Common Installation steps for Local and Remote scenarios 1.Create ZKW_SAPEX package 2.Install support classes
 ZKW_RMDIR Installation steps for Local scenario 1. Install Programs to execute Local Analysis 2. Create OS command to launch the analysis (ZKW_KLA_AGENT)
 Installation steps for Remote scenario Configure remote scripts Install RFC-enabled function modules Install SAP JCo Connector library Full details for installing SAP JCo library 3.Configure SAPEX scripts in Kiuwan Local Analyzer Test SAPEX installation
Related pages:

Manual SAPEX Installation

Local vs Remote Kiuwan Analysis

To analyze ABAP code with the Kiuwan Solutions, the source code and information from the SAP system need to be exported before they can be analyzed.



SAPEX Installation Files

SAPEX installation files are contained in sapex_abap_code.zip, located in the \$(AGENT_H OME)/resources/abap directory of your Kiuwan Local Analyzer installation.

Please visit Kiuwan Local Analyzer for further help on Kiuwan Local Analyzer.

The following table lists contents of sapex_abap_code.zip

File	Behaviour	Notes
Programs:		
ZKW_SAPEX_CO DE	Export source code	Exports to local or remote directory

ZKW_SAPEX_ME TADATA	Export SAP information	Exports to local or remote directory
ZKW_ANALYSIS	Analyzes source code (after optional previous export) in SAP system	
RFC-enabled Function modules:		
ZKW_SAPEX_CO DE_RPC	Export source code	Needed by sapexCode.xmlremote script
ZKW_SAPEX_ME TADATA_RPC	Export metadata	Needed by <pre>sapexMetadata.xmlremo te script</pre>
ZKW_SAPEX_LO ADFILE_RPC	For downloading an exported file	Needed by sapexCode.xmlremote script
ZKW_SAPEX_RM DIR_RPC	For removing directories where source code is exported	
ZKW_SAPEX_RM DIR_CHECK	Security check for RMDIR calls	
Classes:		
ZKW_CL_*, ZKW_CX_*	Support classes	Add them using class builder or Eclipse ADT
ZCL_IM_KW_BAD I_REQ_CHECK	Implementation BAdI for CTS_REQUEST_CHECK	Sample BAdI for automated audit before release of a transport request

Note 1: It is recommended to create a package named ZKW_SAPEX to hold all entities created for SAPEX.
Note 2: You may use ABAP Workbench / ABAP Editor or Eclipse-based ABAP Development Tool to create the SAPEX elements from the provided code.
Note 3: Remember to activate all ABAP elements installed, to enable the execution.

Common Installation steps for Local and Remote scenarios

1.Create ZKW_SAPEX package

()

It is recommended to create a package named **ZKW_SAPEX** to hold all entities created for SAPEX.

To create the **ZKW_SAPEX** package you can use the transaction **SE80** as follows:



0	• • • • • • • • •	194441220012210	1000 20
Object Navi	gator		
🗇 🔿 差 🖬	Edit Object		
MIME Repository			
Repository Brows	ser		14/alaamaa
Repository Inform	nation System		weicome
Package	V		to the
ZKW_SAPEX	▼ 6g		
	Create Package		≚ <mark>nch</mark>
Object Name	Package	ZKW_SAPEX	
CL_CL_ANAL	Short Description	Enities created for SAPEX	
Subclass	Application Component		
 Types 	Software Component	HOME	
	Transport Layer		
	Superpackage		
	Package Type	Development Package 💌	
	Package encapsulated		
			VXI

• • • •		0.
Object Navigator		
🗇 🔿 🚨 🚺 📌 Edit Object		
MIME Repository		
Repository Browser		Walcoma
Repository Information System		weicome
Backage		to the
Package	- 60	
		Mouldonab
		workbench
Object Name	Description Entities created for SAREY	
DKW_JAPEK	Endles desced for SAPEX	

After creating the ZKW_SAPEX package, you can follow the next steps.

2.Install support classes

Using the Class Builder (transaction **SE24**) in source code mode, create and activate all the **zkw_ct_*** c lasses, and the **zkw_ct_*** exception classes.

EP Object type Edit Goto Utilities Engronment System Help
🖉 🔄 💌 😸 🔄 🖶 🛗 ଛିଏ ଥିଲି କଥିଲି 💭 🔽 🚱 💻
Class Builder: Initial Screen
🖆 🥕 🐺 🕂 👔 📅 🚺 除 🛛 Class Browser
Object Type
66° Display Change Create
SAP 4

🗗 Glass Edit Goto Utilitie	s Environment System Help
Class Builder: Displaj	y Class ZKW_CL_ANALYSIS X = 0 Image: Imag Image: Image: Imag
Class/Interface ZKW_CI Properties Interfaces	_ANALYSIS Implemented / Inactive Friends Attributes Methods Events Types Alases
Superclass Description Class f Instance Generation Public Final	197 Undo bhertance Oranje Interfance
General Data	Enward Derbrations
Program Status	Type Group/Object Type
Category	General Object Type V
Package	ZHW_SAPEX
Original Language	EN
Created	DEVELOPER 22.02.2017
Last Change	DEVELOPER 22.02.2017
Unicode Check Fixed Point Arithmetic Shared Memory Enabled	

Toogle to **Source Code - Based Class Builder** and paste the content of the source file (substituting any previous content).

Nicla.cplf.RunanLocalAnalyzer/securoe/.aba	d approvalegy, colid approvalegy, colid ZMICSAPOR descel /ZMICS, APACISCalappi - Notepadi	
AN SCALENDING		
X_ANALYSIG adap 🖾 🚉 2009_CL_CODE adap	Class Builder: Change Class ZOW_CL_ABALINES	C. FOLDER abop
INN CL ANALYSIS - Class for :	(a) > N 0 ∈ A ≠ 0 ∈ A ≤ 0 V (1) Starbeiter/Derretter Starbeiter/Derretter	
for running the shell script	Daughterface 2015_00022103 2004method / 24/254 Oradio de southoder (71) Properties Deterfaces / Austria Mathematica / Bedinals Devels Types (Saces Topile to South Code-Based Data Budies (2018-05140)	
deployed in the SNP system.	Reserver IN Sources IN Sources INF(A) FAIR (AD) A INC (AD) - Har	
Useful, for example, for reg	Method Level Yoldity M., Decoster	
for the change request, analy when the audit checkpoints d		
Program SHN SAPEX ANALISIS u		
lass 593 CL ANALYSIS definitio		
final schlig		
mblic metion		
* Command to execute, when		
constants: AMALYSIS_CMD ty		
" required args		
sources_dir	4.0 E1	
* optional args analysis_label		
create project		
wait_for_results	type anap_moos, " -wr. if true, wait for kiuwan to return results after running local analysis	
analysis_scope	erge type string. * -as baseline(completedelivery)partialDelivery type string. * -as there represent typically ## typescore is	
change_request_stat	to type string ors inprogressives/ved	
class-methods)		
allos constantes		
	-] < 🖶 🕲 🔇 🕲 🚔 🖞 👘 치 치 🎝 🏹 🔽 🎯 🐺	
Ø -		
Source Code-Based	d Class Builder Class ZKW_CL_ANALYSIS Change 가 북 국 L 출 그 표 역 및 Pattem Pretty Printer 왕 및 Local Definitions/Implementations	
Source Code-Base Source Code-Base Image: Source Code-Base <	d Class Builder Class ZKW_CL_ANALYSIS Change	
Source Code Bases	d Class Builder Class ZXW_CL_ANALYSIS Change	
Source Code-Base Source Code-Base	d Class Builder Class ZKW_CL_ANALYSIS Change	
Source Code=Base Source Code=Base	d Class Builder Class ZKW_CL_ANALYSIS Change	
Source Code-Bases Source Code-Bases \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	d Class Builder Class ZKW_CL_ANALYSIS Change	
Source Code:Base Source Code:Base	d Class Builder Class ZKW_CL_ANALYSIS Change	
Source Code-Bases Source Code-Bases 4 ⇔ ⇒ ⇒ 1 ≈ 10 ± 10 ± 10 ± 10 ± 10 ± 10 ± 10 ±	d Class Builder Class ZKW_CL_ANALYSIS Change	
Source Code:Base Source Code:Base	d Class Builder Class ZKW_CL_ANALYSIS Change	
Source Code-Bases Source Code-Bases 4 ⇔ ⇒ ⇒ 1 ≈ 10 ± 10 ± 10 ± 10 ± 10 ± 10 ± 10 ±	d Class Builder Class ZKW_CL_ANALYSIS Change	
Source Code:Base Source Code:Base	d Class Builder Class ZKW, CL_ANALYSIS Change	

Switch back to Form-Based Class Builder to see the complete class.

⊘ « 🔒	0 6 0 i 🖨 M	(6 I E) 1	0 P	1 🗊 🖻 1 🖉 🕊	
Class Builder: Change Clas	SZKW_CL_AN	ALYSIS			
🄄 🗠 1 🎌 😫 🔁 🎯 1 💤 🗡 🖷	🔶 🗛 🕿 🗆 1	F 🔝 🛛 🜆	Local	Definitions/Implementations 🛛 💭 Local Test Classes 📄 Constructo	e "
lass/Interface ZNW_CL_ANALYS	IS	Implement	ed / 1	nactive	
Properties Interfaces Friends	Attributes Me	thods 👔	Event	Types Alases	
Parameters Fyrentions Fill 9	ourrerode 🗐 🕅				
Method	Level	Vsbity	M	Description	
CLASS_CONSTRUCTOR	Static Method	Public	*		-
HAS_AGENT	Static Method	Public			Ψ.
RUN	Instance Method	Public			
BUILD_CMD_PARAMS	Instance Method	Private			
RUN_KLA	Instance Method	Private			
					4

(i) Do not forget to Activate every class after creation.

After importing all the classes you will see them under the **ZKW_SAPEX** package:



3.Install source code extraction programs

Using the ABAP Editor (transaction **SE38**), create the **zkw_sapex_code** and **zkw_sapex_metadata** programs



° 🥕 🤇	👂 🏟 🔝 I 📅 🗈	🚯 🖗 Debugging 🔹 With Variant 🕐 Variants
ogram	ZKW SAPEX CODE	Create
- grown		
ubobject	🔄 ABAP: Program Attribu	tes ZKW_SAPEX_CODE Change
) Source	Title	Extractor of ABAP code from a R/3 SAP System - version 1.0
) Variant	Original language	EN
) Attrbu		
) Docum	Created	DEVELOPER 23.02.2017
JText e	Last Changed	
e r	Status	
_	Attributes	
	Tune	Executable program
	Status	Customer Production Program
	Authorization Group	
	Application	· · · · · · · · · · · · · · · · · · ·
	LDB name	
	Select'n screen	
	Editor lock	Unicode Check
	Start using variant	Fixed point arithmetic

B Program	n <u>E</u> dit <u>G</u> oto Ut	lties Environment System Help	_
ABAP	Editor: Initial S	creen	
6 × G) 🔶 🗽 🗓 i 💼 🛙	🗅 🕪 🗘 Debugging 🖓 With Variant 🕐 Variants	
Program	ZHU SADEY COD	Crasta	
rivgiain		Te Create Object Directory Entry	
Subobject	🖙 ABAP: Program Att		
 Source 	Tale	UDJECT NJIN PRUG ZEN_SAPEA_CUDE	
OVariant	Trie Original Income	Attributes	
OAttribu	Onginal language	Parkage ZKW SEDEX	
ODocum	Created	Person Responsible DEVELOPER	
O Text e	Last Changed		
	Status	Original System NPL	
Gr [Original language EN English	
	Attributes	Created On	
	Туре		
	Status		
	Authorization Group		
	Application	· · · · · · · · · · · · · · · · · · ·	
	LDB name		
	Select'n screen		
	Leditor lock	Unicode Check	
	E scare using variant	Milecen bour auchmepc	
		🖌 Save 🎲 🕄 🔂 🗶	
L.			
🗹 Assign a	package	SAP	2

Open the Source view.



and paste the source code provided by SAPEX.



After saving, you will see all the SAPEX objects.

Do not forget to activate all the created objects.



4.Create OS commands (ZKW_MKDIR and ZKW_RMDIR)

Using transaction SM69, create the following OS commands:

- ZKW_MKDIR
- ZKW_RMDIR

9							
		1		😥 🔽 I 💽 🕢 🔝			
3 Type	Command na Create	Op.system	External program	Parameters of external program	Additional Trace	Created By	
SAP	ARCAUTO	ANYOS	arcauto		x	SAP	^
SAP	BACKUP_HIS1-	ANYOS	sddb6his		x	SAP	*
SAP	BRARCHIVE	ANYOS	brarchive		x	SAP	
SAP	BRBACKUP	ANYOS	brbackup		x	SAP	
SAP	BRCONNECT	ANYOS	brconnect		x	SAP	
SAP	BRTOOLS	ANYOS	brtools		x	SAP	
SAP	BTC_CHECK_STATE	ANYOS	sapchkst		x	SAP	
SAP	CAT	UNIX	cat		X	SAP	
SAP	CHECK_DSPMSGQ	OS/400	DSPMSG	MSGQ(QSYS/QCFGMSGQ)	x	SAP	
SAP	CHECK_PRTERRLOG	AS/400	PRTERRLOG			SAP	
SAP	CHECK_QXDAEDRSQL	OS/400	WRKACTJOB	SBS(QSYSWRK) JOB(QXDAEDRSQL)		SAP	
SAP	CHECK_R3RMTDB	AS/400	WRKACTJOB	SBS(QSYSWRK) JOB(R3RMTDB)		SAP	
SAP	DB24DD	ANYOS	dd		X	SAP	
SAP	DB2RADM_MDM	ANYOS	db2radm	-m mdmi	x	SAP	
SAP	DB2_CONNECT_CHECK	ANYOS	db2radm	-m db2CCMSC	x	SAP	
SAP	DB2_SAPCL_GRANT	ANYOS	db2radm	-m db2i -G only	x	SAP	
SAP	DB6CLP	ANYOS	db6clp		x	SAP	
SAP	DB6_DATA_COLLECTOR	ANYOS	dmdb6rdi		X	SAP	
SAP	DB6_DBBACKUP	ANYOS	dmdb6bkp		x	SAP	
SAP	DBHOSTCHECK	ANYOS	IsLocalHost		x	SAP	
SAP	DBMCLI	ANYOS	dbmcli		x	SAP	
SAP	DBMGETF	ANYOS	dbmgetf		x	SAP	
SAP	DBMRFC	ANYOS	sapdbmrfc	-adbmrfc@sapdb	x	SAP	
SAP	DISPLAY_DIAGLOG	Windows NT	cmd /c type		X	SAP	
SAP	DISPLAY_DIAGLOG	UNIX	tai	-1500 ?	x	SAP	
SAP	DSPOBJD_SQLPKG	OS/400	DSPOBJD	OBJ(?/*ALL) OBJTYPE(*SQLPKG)	x	SAP	
SAP	ENV	UNIX	env			SAP	Ê
SAP	ENV	Windows NT	cmd	/C.set		SAP	

ZKW_MKDIR

Used for creating directories in the SAP system:

- mkdir -p ? for Unix
- cmd /C mkdir ? for Windows

Note: The command configured must create all intermediate directories.

Create an External Con Corman Name Corman Name Corman Name Corrate System Create and Last Change Created By Last Changed By Last Changed By Last Changed By Definition Operating System Cormand mixin Parameters for Operating System (- 9-3)	mmand	
Command Hume 2 Command Hume 2 Operating System 2 Type Context and Last Change Created By Last Changed By Last Changed By Definition Operating System Command mixed Parameters for Operating System (System Command		
Command Imme T Command Imme T Command Imme T The Command Imme T Created and Last Changes Created By Last Changed By Last Changed By Last Changed By Definition Operating System Command Imdef Parameters for Operating System (p. 3)		
Comrand Huma 2 Operating System 1 Type Create and Last Change Created By Last Changed By Last Changed By Definition Operating System Command micit Parameters for Operating System (-9.3)		
Operating System I Type I Type Operating System Create and Last Change Operating System Created By Operating System Command Mich Parameters for Operating System (operating System for Operating System for Oper		
Type Create and Lab: Change Created By Last: Changed By Definition Operating System Command midir Parameters for Operating System (00100100	
Create and Last Change Created By Last Changed By Definition Operating System Command mixin Parameters for Operating System 6 [-p:3]		
Created By Last Changed By Definition Operating System Command ImAdr Parameters for Operating System (-p. 7)		
Last Changed By Definition Operating System Command Imkdir Parameters for Operating System (p 3	000000	
Definition Operating System Command Inkdir Parameters for Operating System (- p 키		
Operating System Command mkdir Parameters for Operating System (-p ?)		
Parameters for Operating System (-p 기		
-p ?	Command	
18.0	command	
Additional Parameters Allowed		
Check Module		

ZKW_RMDIR

Used for deleting a directory and all its contents in the SAP system:

- rm -rf ? for Unix
- cmd /C rmdir /s /q ? for Windows.

🖻 <u>C</u> ommand System !	Help	
Ø	💌 « 🗟 I 🕲 🚱 I 🚔 III III III III III III III III II	
Create an Externa	l Command	
8		
Command		
Command Name	2HW_RMDIR	
Operating System	Linux	
Туре		
Create and Last Change		
Created By		
Last Changed By	00:00:00	
Definition		
Operating System Comman	nd	
rm Demosters for Occuption 1	Current Comment	
Parameters for Operating :	system Command	
Additional Parameters Al	lowed	
Check Module	ZKW_SAPEX_RMDIR_CHEDK	
	SAD	



The result of creating the commands should be similar to the following:

1	External Operating System Commands							
	ð q@ l/lþt 🔈 🗈 17007. 5.e i							
R	Туре	Command name	Operating system	Name of external program	Parameters	Check module	Adc	
	Custom	ZKW_RMDIR	Linux	rm	-if ?	ZKW_SAPEX_RMDIR_CHECK	х	
	Custom		WINDOWS NT	cmd	/C rmdir /s /q ?	ZKW_SAPEX_RMDIR_CHECK	х	Ŧ
	Custom	ZKW_MKDIR	Linux	mkdir	-p ?		Х	
	Custom		WINDOWS NT	cmd	/C mkdir ?		Х	

Installation steps for Local scenario

1. Install Programs to execute Local Analysis

If you decide to use the local approach:

- Install Kiuwan Local Analyzer in the SAP system, and
- Using the ABAP Editor (transaction SE38), create and activate zkw_ANALYSIS program

It is recommended to use a <DIR_HOME>/sape4k/kla directory for the Kiuwan Local Analyzer.

2. Create OS command to launch the analysis (ZKW_KLA_AGENT)

Used for launching the Kiuwan Local Analyzer script.

This OS command will be used by <code>ZKW_ANALYSIS</code> program and <code>CTS_REQUEST_CHECK</code> BAdl implementation.

Use :

- <PATH_TO_KLA>/bin/agent.sh (Unix), or
- <PATH_TO_KLA>\bin\agent.cmd (Windows)

as the name of the Operating System Command parameter in transaction SM69.

Change Command "ZKW_KLA_AGENT" for "Linux"		
🔲 🕸 😥		
Command		
Command Name	ZKW_KLA_AGENT	
Operating System	Linux	
Туре	Customer	
Create and Last Change		
Created By	DEVELOPER	
	22.02.2017	
Last Changed By	DEVELOPER	
	22.02.2017	
	16:22:12	
Definition		
Operating System Command		
/usr/sap/NPL/D00/work/sape4k/	kla/KiuwanLocalAnalyzer/bin/agent.sh	
Parameters for Operating System Command		
Additional Parameters Allowed		
Trace		
Check Module		

Installation steps for Remote scenario

Configure remote scripts

1. Install RFC-enabled function modules

To run the SAPEX scripts from a remote host (where KLA is deployed), the **ZKW_SAPEX_*_RPC** function modules should be created using Function Builder (transaction **SE37**).

To create the <code>ZKW_SAPEX_FG</code> function group you can use transaction **SE80** as follows: Before creating the function modules, it is recommended to create the <code>ZKW_SAPEX_FG</code> function group.

		_
🔄 Workbench Edit Goto Utilities Environmen	nt System Help	
🖉 💭 😓 🚽 🔻 🕞	🖴 🖞 🖄 🖆 🖧 🎝 💭 🗮 🗑 🖳	
Object Navigator		
Object Navigator		
🗇 🔿 🚬 🔝 🎦 Edit Object		
MIME Repository		
Repository Browser		
Fig Repository Information System		
Function Group		
ZKW_SAPEX_FG		
Object Name	Description	
Class Library	Encloses created for SAPEX	
Programs		
	SAP	٩

After creating the ZKW_SAPEX_FG function group, **create a Function Module for** every ZKW_SAPEX_*_RPC function modules included in **\$(AGENT_HOME)/resources/abap/...** /ZKW_SAPEX_FG/functions

Use Function Builder (transaction SE37) as follows:

Er Eunction Module Edit Goto Utilities Environment System Help
S
Function Builder: Initial Screen
🖆 🥕 🖳 📅 🗈 🚯 Reassign
Function Module ZKW_SAPEX_CODE_RPC Q
😚 Display 🖉 Change 🗋 Create
SAP (

🖙 System Help				
0				
SAP				
JAF				
	Et Croate Euroction M	adula		
	Les creace Pulicion M	Julie	<u> </u>	
	Function Module	ZHW_SAPEX_CODE_RPC		
	Function group	ZKW_SAPEX_FG		
	Short text	Export source code		
		SAP		

After created, go to the Source Code tab and paste the content of the associated file.



Make sure that all functions terminated with _RPC are marked as RFC-enabled, as they will be called remotely from the SAPEX scripts.

E Eunction Module Ed	it <u>G</u> oto Utilitie <u>s</u> En <u>v</u> ironment S	iystem <u>H</u> elp	
0	💌 « 🔚 I 🕲 😢 🔛 🛍 🛍	1222217221	
Function Builde	r: Change ZKW_SAPEX_CO	DE_RPC	
🗢 🔿 I 🦻 😘 📫 🌀) 🚑 🥕 🖷 🔶 🗛 🌆 🗉 🚹	😳 💁 Pattern 🛛 Pretty Printe	Function Module Documentation
Sunction module	ZKW SAPEX CODE BPC	tve	
Attributes Import	Export Changing Tables	Exceptions Source code	
Classification			
Function Group	ZHW_SAPEX_FG SAP	PEX Function Group	
Short Text	Export source code		
Processing Type		General Data	
Regular Function Mod	lule	Person Responsible	DEVELOPER
Remote-Enabled Mod	ule BasXML suppo	rted Last Changed By	DEVELOPER
OUpdate Module		Changed on	23.02.2017
 Start immed. 		Package	ZKW_SAPEX
O Immediate start (n	ot updateable)	Program Name	SAPL2KW_SAPEX_FG
○ Start Delayed		Include Name	LZKW_SAPEX_FGU01
Coll.run		Original Language	EN
		Not released	
		Edit Lock	
		Global	
< >			< >
		SAP	

Click Save.

2. Install SAP JCo Connector library

Remote scripts use SAP JCo Connector to remotely connect to the SAP server.

SAP JCO Connector must be installed in the remote containing the SAPEX remote scripts that will execute the Kiuwan Local Analyzer.

Full details for installing SAP JCo library

Download SAP JCo from SAP Service Marketplace Connectors - you need service-marketplace access for it.

Once you have downloaded the corresponding package for your operating system, install it.

 Windows: There are different distribution packages for various JRE versions and hardware processors available:

file	platform
sapjco3-ntintel- 3.0.8.zip	for a 32-bit JRE running on a 32- or 64-bit AMD or INTEL x86 or a 64-bit INTEL Itanium processor
sapjco3-ntia64- 3.0.8.zip	for a 64-bit JRE running on a 64-bit INTEL Itanium processor
sapjco3-ntamd64- 3.0.8.zip	for a 64-bit JRE running on a 64-bit AMD or INTEL x86 processor

Before installing JCo, please install the latest Microsoft Visual Studio 2005 C/C++ runtime libraries, as described in note 684106.

To install JCo for Windows unzip the appropriate distribution package into an arbitrary directory sapjco3 -install-path.

Do not copy the sapjco3.dll in the WINDIR\system32 nor into the WINDIR\SysWOW64 directory. This will break the operability of other JCo versions that are already installed on the same system. Furthermore, you would risk that the current installation also would not work anymore if the sapjco3.dll gets replaced in the respective Windows system directory in the future.

• Linux: There are different distribution packages for various JRE versions and hardware processors available:

file	platform
------	----------

sapjco3-linuxintel-3.0.8.tgz	for a 32-bit JRE running on a 32- or 64-bit AMD or INTEL x86 processor
sapjco3-linuxia64-3.0.8.tgz	for a 64-bit JRE running on a 64-bit INTEL Itanium processor
sapjco3-linuxx86_64-3.0.8. tgz	for a 64-bit JRE running on a 64-bit AMD or INTEL x86 processor
sapjco3-linuxppc64-3.0.8. tgz	for a 64-bit JRE running on a 64-bit PowerPC processor
sapjco3-linuxs390x-3.0.8. tgz	for a 64-bit JRE running on a 64-bit IBM eServer zSeries processor

To install JCo for Linux, copy the appropriate distribution package into an arbitrary directory sapjco3-install-path. Next, change to the installation directory:

cd sapjco3-install-path

and extract the archive:

tar zxvf sapjco3-linux*3.0.8.tgz

3. Configure SAPEX scripts in Kiuwan Local Analyzer

The last step is to configure the scripts used for the scripts in KLA for remote extraction.



As an alternative, you may use the extractor programs provided in the SAP system, and then either transfer the results to the system where the KLA is deployed, or directly run the KLA in the target SAP system (in particular, when an automated audit should be performed before releasing a transport request /task).

Please note that the extraction programs for code / metadata allows you to specify a local directory (in the user host) where exported contents will be saved.

If the extract operations will be performed manually, remote extraction scripts are not needed.

Please visit SAP Extractor- Remote use - Appendix Configuration Files for further information.

Test SAPEX installation

Once completed, you may test the installation:

- You may run the run the extraction programs in SAP to check if programs and their dependencies are active.
- If the remote sapex was configured, run command line scripts to ensure that the connection properties and extraction filters work.