

November 13th, 2024



WELCOME

```
DATA(ls_structure) = get_structure( 'ZSADL_ATTRIBUTES' ).
ASSERT ls_structure IS NOT INITIAL.
get_sadl( IMPORTING ex_sadl = DATA(ex_sadl) ).
DELETE ls_sadl-attributes USING KEY structure.

LOOP AT it_property_binding ASSIGNING <ls_property_binding> WITH PROPERTY BOUNDARY <ls_key_time> :
  ls_attribute = VALUE #( (c
    name       = <ls_property_binding>-key_time
    binding    = <ls_property_binding>-property_binding
    structure_id = <ls_structure_id> ).
  IF <ls_property_binding>-is_key = space.
    ls_attribute-is_key = if_sadl_typecast( ls_key_time ).
  ENDIF.
  INSERT ls_attribute INTO TABLE ls_sadl-attributes.
ENDLOOP.
```

ABAPConf South Africa 2024

LIVE | Online | Free

Streams on YouTube!

```
DATA(ls_structure) = get_structure( 'Z_ATTRIBUTE' ).  
ASSERT ls_structure IS NOT INITIAL.  
get_sadl( IMPORTING ex_sadl = DATA(ex_sadl) ).  
DELETE ls_sadl-attributes USING KEY 'NAME'.  
  
LOOP AT it_property_binding ASSIGNING <ls_attribute>.  
  ls_attribute = VALUE #( ( 'NAME' ) ).  
  IF <ls_attribute>-binding = 'STRUCTURE' .  
    IF <ls_attribute>-structure = 'Z_ATTRIBUTE' .  
      IF <ls_attribute>-key = 'NAME' .  
        ls_attribute-key = 'NAME'.  
      ENDIF.  
    ENDIF.  
    INSERT ls_attribute INTO TABLE ls_sadl-attributes.  
  ENDIF.  
ENDLOOP.
```

ABAPConf South Africa 2024

Streaming

YouTube

Chat

YouTube

Problems

Chat, Twitter, E-Mail

```
DATA(ls_structure) = get_structured_data_get(1)
ASSERT ls_structure IS NOT INITIAL
get_sadl( IMPORTING ex_sadl = DATA(ex_sadl) )
DELETE ls_sadl USING KEY struct
LOOP AT it_property_binding ASSIGNING <ls_property_binding>
  ls_attribute = VALUE #(
    name = <ls_property_binding->name
    binding = <ls_property_binding->binding
    structure_id = <ls_structure->id
  )
  IF <ls_property_binding->is_key = space
    ls_attribute->is_key = <ls_sadl->is_key
  ENDIF
  INSERT ls_attribute
ENDLOOP.
```

November 13th, 2024



```
DATA(ls_structure) = get_structure( id_getting_get ).
ASSERT ls_structure IS NOT INITIAL.
get_sadl( IMPORTING ex_sadl = DATA(ls_sadl) ).
DELETE ls_sadl-attributes USING KEY structure IF ex_sadl-attributes IS NOT INITIAL.

LOOP AT it_property_binding ASSIGNING <ls_property_binding> WITH PROPERTY <ls_property_binding>
  ls_attribute = VALUE #(
    name      = <ls_property_binding>-name
    binding    = <ls_property_binding>-binding
    structure_id = <ls_structure_id>
  ).
  IF <ls_property_binding>-is_key = space.
    ls_attribute-is_key = if_sadl_type_is_key_then.
  ENDIF.
  INSERT ls_attribute INTO TABLE ls_sadl-attributes.
ENDLOOP.
```

Organizer

Promise Aphana



15 years SAP Development experience

Skills:

- ABAP
- Front-end (Webdynpro, Portal, Fiori and UI5)
- Workflow

Passion:

- Clean Code
- Knowledge sharing
- Cutting edge technology

3:00pm – 3:15pm SAST
Conference Introduction

ABAPConf

Manifesto

```
DATA(ls_structure) = get_structure( id_entity_get( ) )
ASSERT ls_structure IS NOT INITIAL
get_sadl( IMPORTING ex_sadl = DATA(ex_sadl) )
DELETE ls_sadl-attributes USING KEY structure IF ex_sadl-structure IS NOT INITIAL

LOOP AT it_property_binding ASSIGNING <ls_property_binding> WITH PROPERTY BOUNDING
  ls_attribute = VALUE #( ( )
    name = <ls_property_binding>-name
    binding = <ls_property_binding>-binding
    structure_id = <ls_structure>-id
  )

  IF <ls_property_binding>-is_key = space
    ls_attribute-is_key = if_sadl_typecast( ls_key_true )
  ENDIF.
  INSERT ls_attribute INTO TABLE ls_sadl-attributes
ENDLOOP.
```

<https://www.abapconf.org/#/manifesto>

```
21•CLASS zcl_abapconf_agenda IMPLEMENTATION. "Our Agenda in Coding Style
22•  METHOD if_oo_adt_classrun~main.
23      DATA(agenda) = get_agenda( ).
24      cl_demo_output=>display( agenda ).
25  ENDMETHOD.
26
27•  METHOD get_agenda.
28      results = VALUE #(
29          ( time = |3:00 PM - 3:15 PM|
30            topic = |Introduction to the Conference and Agenda| )
31          ( time = |3:15 PM - 4:00 PM|
32            topic = |Precise ABAP| )
33          ( time = |4:00 PM - 4:45 PM|
34            topic = |Designing Testable ABAP Classes and Packages| )
35          ( time = |4:45 PM - 5:00 PM|
36            topic = |Meet the Speakers| )
37          ( time = |5:00 PM - 5:45 PM|
38            topic = |abapGit & APM - Taking your development to the next level with open-source ABAP| )
39          ( time = |5:45 PM - 6:30 PM|
40            topic = |ADT - Tips & Tricks for effective use of Eclipse in ABAP Development| )
41          ( time = |6:30 PM - 7:15 PM|
42            topic = |Introduction to ABAP Cloud - Working towards a Clean Core| )
43          ( time = |7:15 PM - 7:30 PM|
44            topic = |Meet the Speakers and Wrap up| ) ).
45  ENDMETHOD.
46 ENDCLASS.
```

Global Class Class-relevant Local Types Local Types Test Classes Macros

Problems Properties Templates Bookmarks Feed Reader Transport Organizer Console x ABAP Unit ABAP Language Help ABAP Communication Log

ABAP Console

AGENDA:

TIME	TOPIC
3:00 PM - 3:15 PM	Introduction to the Conference and Agenda
3:15 PM - 4:00 PM	Precise ABAP
4:00 PM - 4:45 PM	Designing Testable ABAP Classes and Packages
4:45 PM - 5:00 PM	Meet the Speakers
5:00 PM - 5:45 PM	abapGit & APM - Taking your development to the next level with open-source ABAP
5:45 PM - 6:30 PM	ADT - Tips & Tricks for effective use of Eclipse in ABAP Development
6:30 PM - 7:15 PM	Introduction to ABAP Cloud - Working towards a Clean Core
7:15 PM - 7:30 PM	Meet the Speakers and Wrap up

November 13th, 2024



```
DATA(ls_structure) = get_structure( id_getting_get ).
ASSERT ls_structure IS NOT INITIAL.
get_sadl( IMPORTING ex_sadl = DATA(ls_sadl) ).
DELETE ls_sadl-attributes USING KEY structure_id WHERE structure_id = ls_structure_id.

LOOP AT it_property_binding ASSIGNING <ls_property_binding> WITH PROPERTY BOUNDARY ID
  ls_attribute = VALUE #( (c
    name       = <ls_property_binding>-name
    binding    = <ls_property_binding>-binding
    structure_id = ls_structure_id ).
  IF <ls_property_binding>-is_key = space.
    ls_attribute-is_key = if_sadl_typecast( ls_key_type ).
  ENDIF.
  INSERT ls_attribute INTO TABLE ls_sadl-attributes.
ENDLOOP.
```

Precise ABAP

Thomas Ergin

3:15pm – 4:00pm SAST



November 13th, 2024



```
DATA(ls_structure) = get_structure( id_getting_get ).  
ASSERT ls_structure IS NOT INITIAL.  
get_sadl( IMPORTING ex_sadl = DATA(ls_sadl) ).  
DELETE ls_sadl-attributes USING KEY structure.  
  
LOOP AT it_property_binding ASSIGNING <ls_property_binding> WITH PROPERTY <ls_property_binding>.  
  ls_attribute = VALUE #( ( <ls_property_binding> ) ).  
  name = <ls_property_binding>-name.  
  binding = <ls_property_binding>-binding.  
  structure_id = <ls_property_binding>-structure_id.  
  
IF <ls_property_binding>-is_key = space.  
  ls_attribute-is_key = if_sadl_typecast_is_key_then.  
ENDIF.  
INSERT ls_attribute INTO TABLE ls_sadl-attributes.  
ENDLOOP.
```

Designing Testable ABAP Classes and Packages

Winfried Schwarzmann

4:00pm – 4:45pm SAST



November 13th, 2024



```
DATA(ls_structure) = get_structure( id_getting_get ).
ASSERT ls_structure IS NOT INITIAL.
get_sadl( IMPORTING ex_sadl = DATA(ls_sadl) ).
DELETE ls_sadl-attributes USING KEY structure.
LOOP AT it_property_binding ASSIGNING <ls_property_binding> WITH PROPERTY BOUNDARY 0.
  ls_attribute = VALUE #( (c
    name       = <ls_property_binding>-key_text.
    binding    = <ls_property_binding>-property_text.
    structure_id = <ls_structure_id> ).
  IF <ls_property_binding>-is_key = space.
    ls_attribute-is_key = if_sadl_typecast( is_key_text ).
  ENDIF.
  INSERT ls_attribute INTO TABLE ls_sadl-attributes.
ENDLOOP.
```

abapGit & apm

Taking your development to
the next level with
opensource

Marc Bernard

5:00pm – 5:45pm SAST



November 13th, 2024

abap
conf 2024

SOUTH AFRICA

```
DATA(ls_structure) = get_structure( id_getting_get ).
ASSERT ls_structure IS NOT INITIAL.
get_sadl( IMPORTING ex_sadl = DATA(ls_sadl) ).
DELETE ls_sadl-attributes USING KEY structure_id WHERE structure_id = ls_structure_id.

LOOP AT it_property_binding ASSIGNING <ls_property_binding> WITH PROPERTY BOUNDARY 1.
  ls_attribute = VALUE #( (c
    name       = <ls_property_binding>-name
    binding    = <ls_property_binding>-binding
    structure_id = ls_structure_id ).
  IF <ls_property_binding>-is_key = space.
    ls_attribute-is_key = if_sadl_typecast( is_key_true ).
  ENDIF.
  INSERT ls_attribute INTO TABLE ls_sadl-attributes.
ENDLOOP.
```

ADT(ABAP Development Tools)

Tips & Tricks for effective use of Eclipse in ABAP Development

Thomas Fielder

5:45pm – 6:30pm SAST



November 13th, 2024

abap
conf 2024

SOUTH AFRICA

```
DATA(ls_structure) = get_structure( id_getting_get ).
ASSERT ls_structure IS NOT INITIAL.
get_sadl( IMPORTING ex_sadl = DATA(ex_sadl) ).
DELETE ls_sadl-attributes USING KEY structure_id WHERE structure_id = ls_structure_id.

LOOP AT lt_property_binding ASSIGNING <ls_property_binding> WITH PROPERTY <ls_key>
  ls_attribute = VALUE #(
    name       = <ls_property_binding->name
    binding    = <ls_property_binding->binding
    structure_id = ls_structure_id
  ).

IF <ls_property_binding>-is_key = space THEN
  ls_attribute-is_key = if_sadl_typecast_is_key THEN.
ENDIF.
INSERT ls_attribute INTO TABLE ls_sadl-attributes.
ENDLOOP.
```

Introduction to ABAP Cloud

Working towards a Clean Core

Thabiso Ramarou

6:30pm – 7:15pm SAST

