



REST in pieces

Real life ORDS

A saying used when someone you hate dies. Opposite of "Rest in Peace", where you would rather think of this person rotting/decaying into pieces than resting in peace.

I'm glad that bastard finally keeled over. May he Rest in Pieces.

-Urban Dictionary

IMDB 4.8



← **Roel Hartman** 😊
9,388 Tweets



Roel Hartman 😊
@RoelH

Director at APEX Consulting.
Oracle ACE Director.
Director at ODTUG.
[Translate bio](#)

📍 The Netherlands 🌐 roelhartman.blogspot.com 🎂 Born June 10, 1965
📅 Joined March 2007

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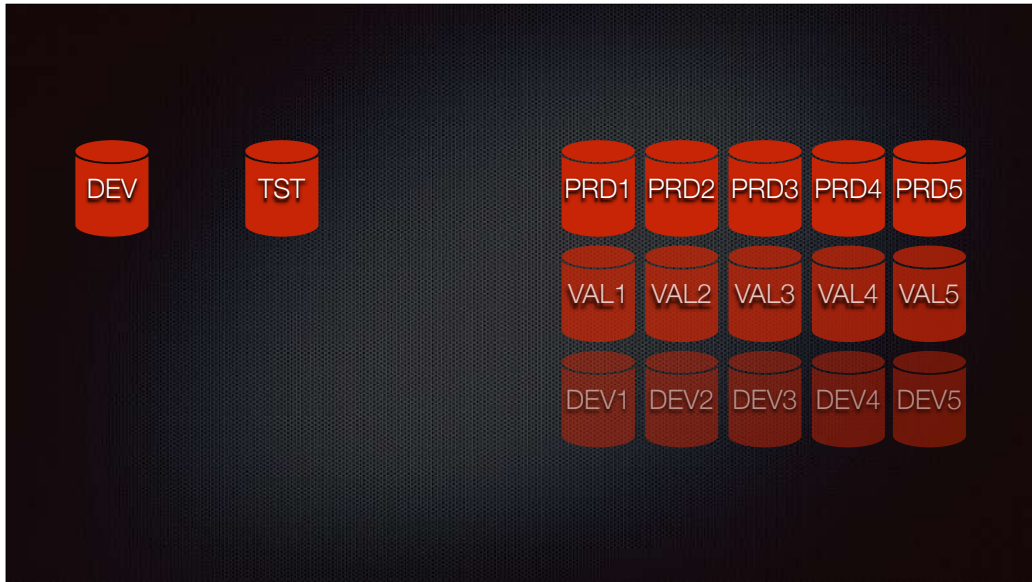
PHARMASOL
enabling excellence

Safety Document Distribution - Reinvented.

SUSAR distribution is still often done manually, using portals. This is time consuming for you and cumbersome for the recipients. With psXchange the recipients have no new system to learn and you have complete oversight of the process, with no manual efforts.




- Any document type
- Any distribution method
- Powerful data insights



Use case 1

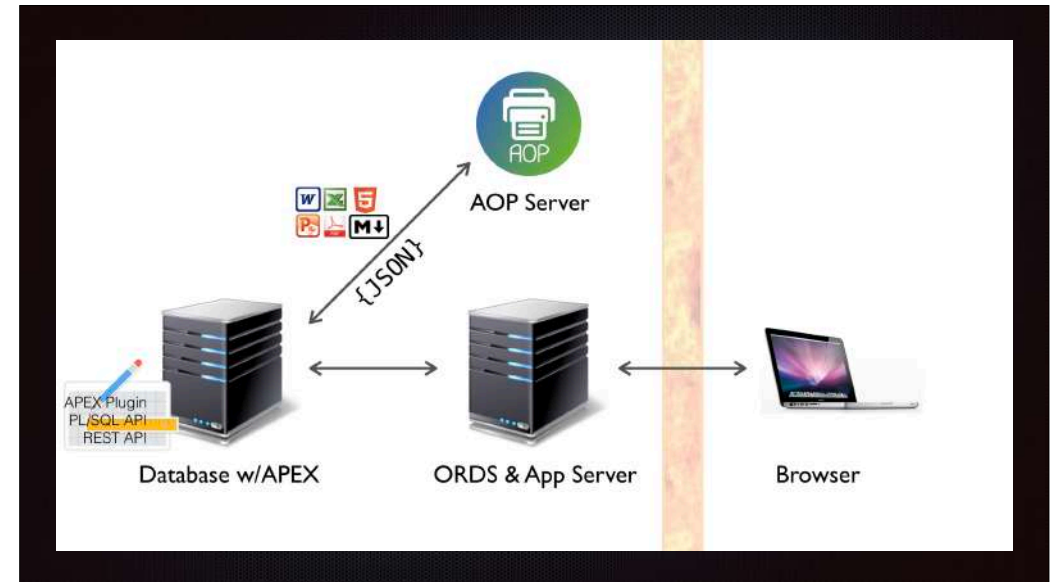
Create PDF's and e-mails
merging data with user
defined templates



Use case 1

Create PDF's
merging data
defining templates

APEX Office Print



AOP server

DEV

TST

AOP server

PRD1

PRD2

PRD3

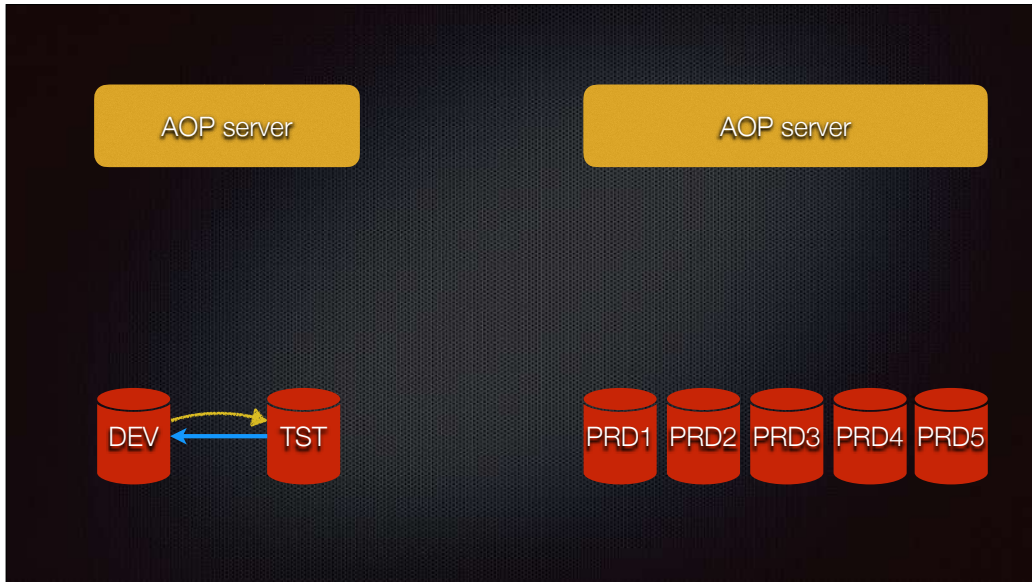
PRD4

PRD5

Use case 2

Reduce DEV > TEST
lifecycles - easier
management of Text
Messages






```

declare
  l_result clob;
begin
  apex_lang.update_message
  ( p_id      => :TRANSLATION_ENTRY_ID
    , p_message_text => :MESSAGE_TEXT
  );
  l_result := apex_web_service.make_rest_request
  ( p_url      => 'http://<REST URL>/application_messages/' || :TRANSLATION_ENTRY_ID
    , p_http_method => 'PUT'
    , p_body     => :MESSAGE_TEXT
  );
end;


```



```


begin
  apex_session.create_session
  ( p_app_id => 300
    , p_page_id => 100
    , p_user_name => 'From Test'
  );
  apex_lang.update_message
  ( p_id => :id
    , p_message_text => utl_raw.cast_to_varchar2( dbms_lob.substr( :body, 4000, 1 ) )
  );
  :status := 200;
end;

```



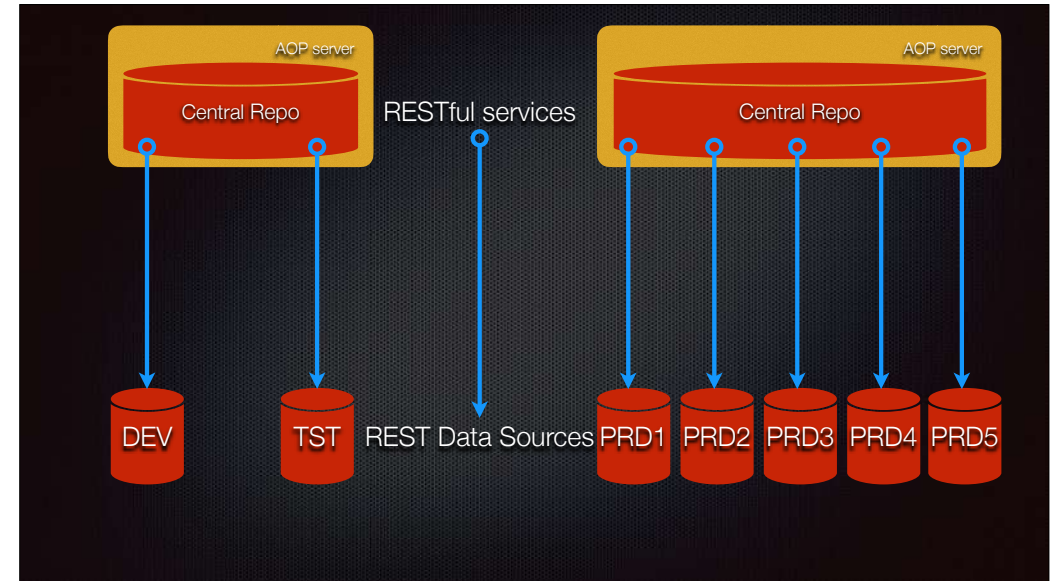
Use case 3

Master Data Management



Master Data Management

- All in one DB using VPD
- All in one instance using PDB (and one as an Application Container)
- Sync local data with a Central Repository



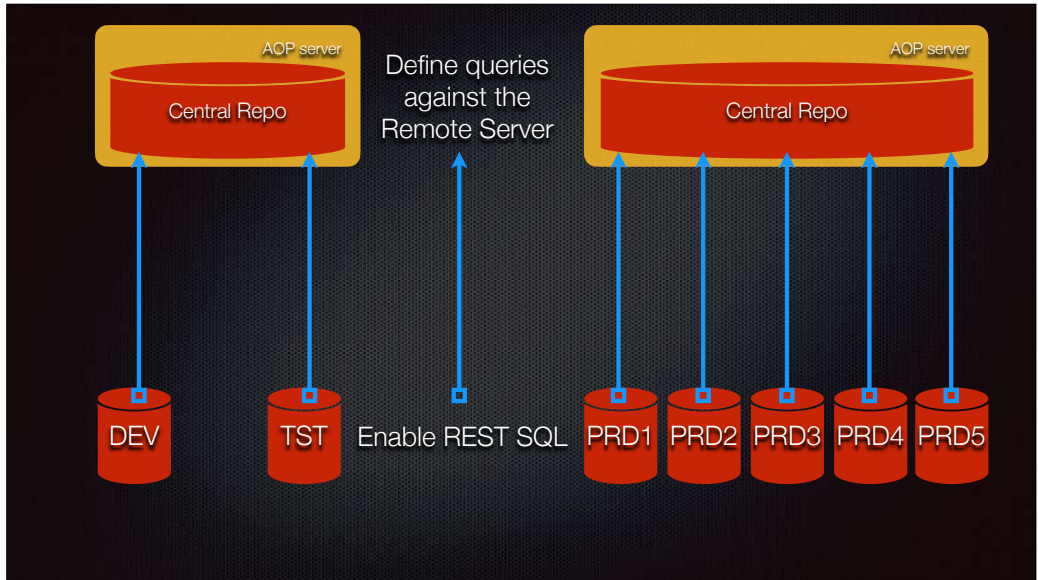
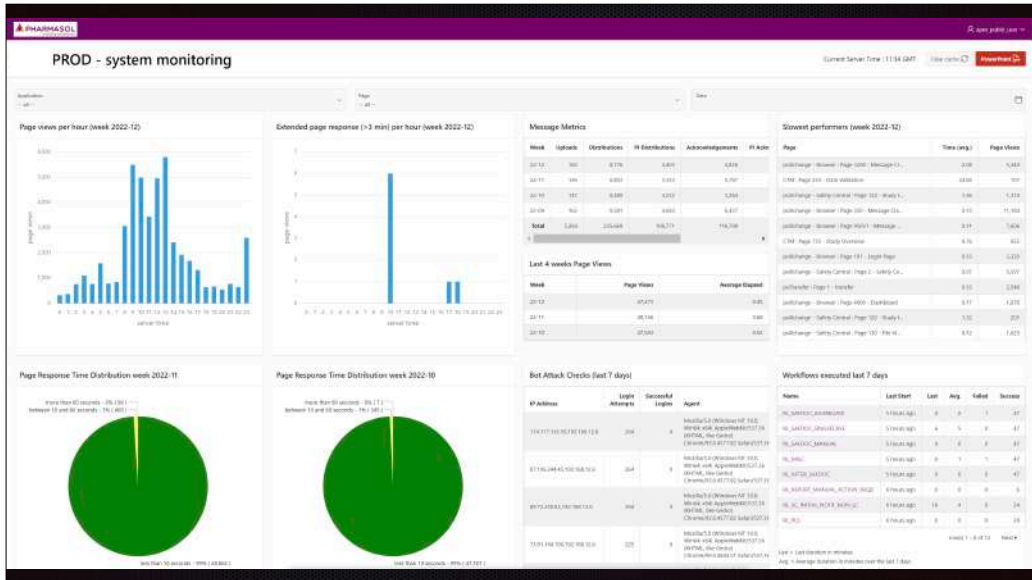
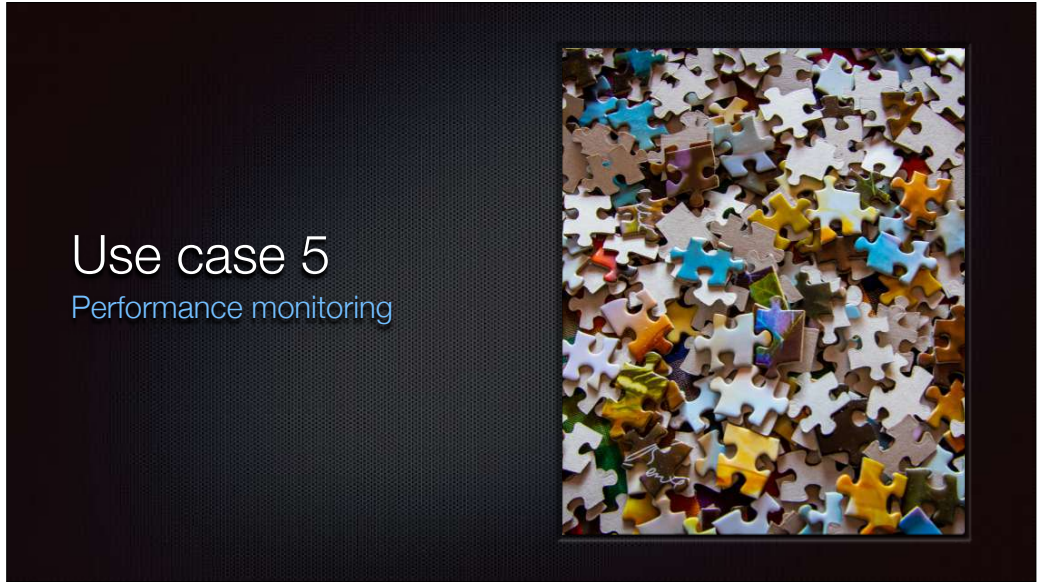
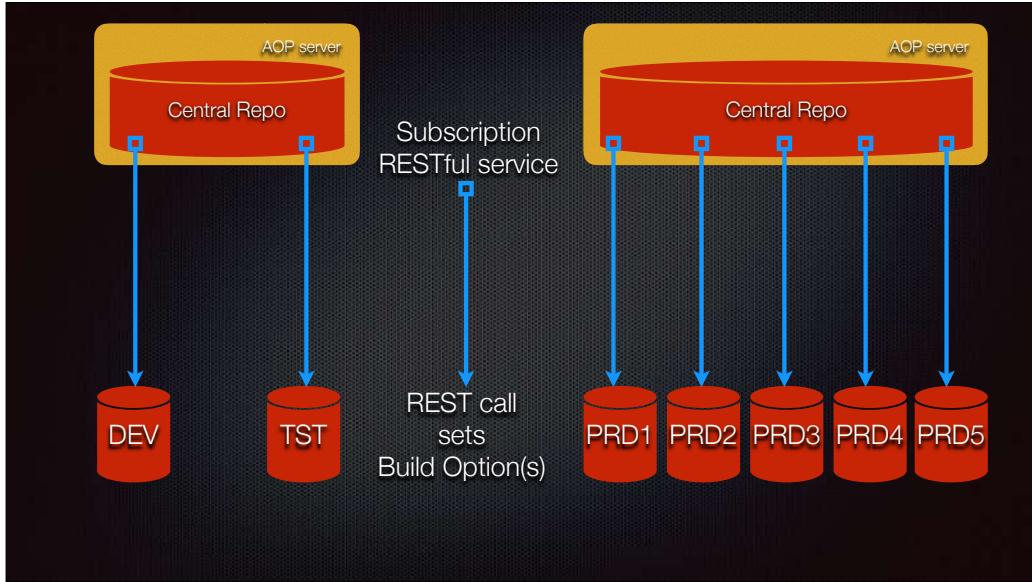
APEX Automation

```
procedure sync_with_central_repo
is
  l_session_created number;
begin
  l_session_created := apex_session.create_session(...);

  apex_rest_source_sync.synchronize_data
  ( p_module_static_id => 'Countries' );
  --
  apex_rest_source_sync.synchronize_data
  ( p_module_static_id => 'Languages' );
  --
  ....
  ....
  --
  apex_session.detach;
  --
end sync_with_central_repo;
```

Use case 4
Subscription management

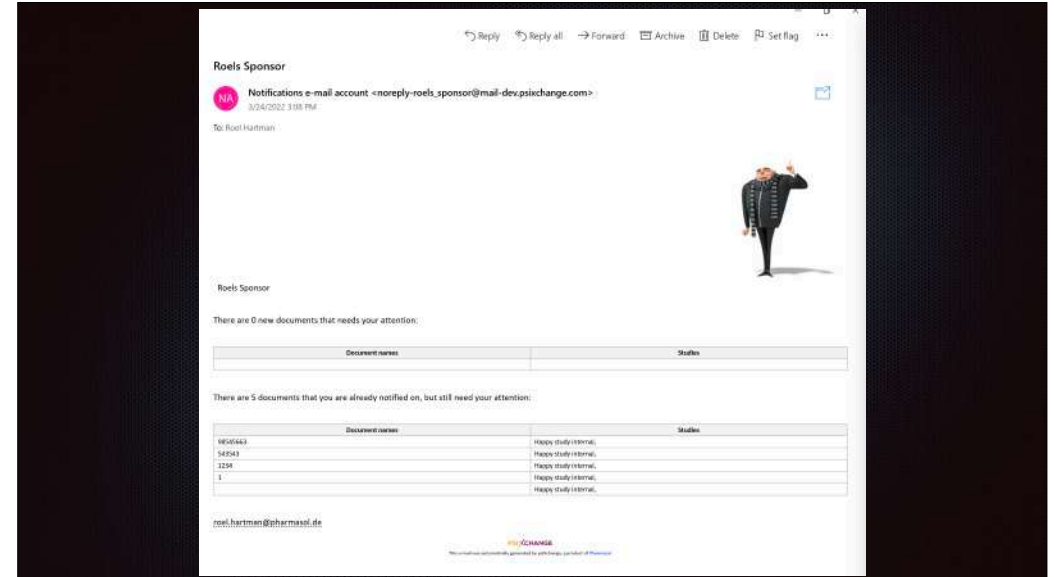




Use case 6


Enhance traceability

Read confirmation



```

```

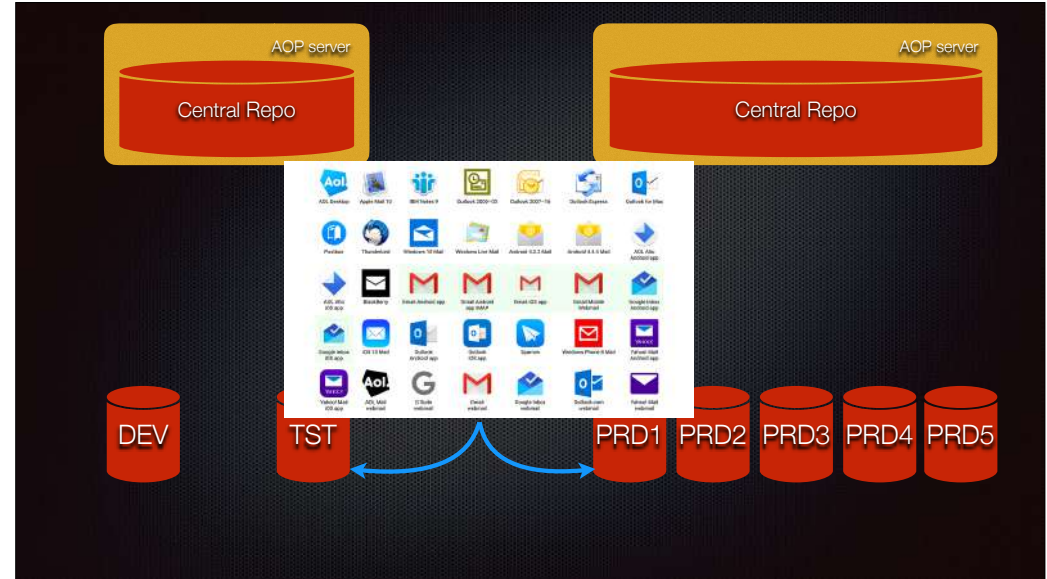


```
begin  
  email_accounts.htp_print_rest_footer_image(p_userid => :email  
                                             ,p_message_id => :messageid);  
end;
```

Parameters

Name	Bind Variable	Access Method	Source Type	Data Type
email	email	IN	URI	STRING
messageid	messageid	IN	URI	STRING

Field	Value
ID	1012279
NOTIFICATION_TYPE	SUMMARY_NOTIFICATION
SENT_ON	24-MAR-22 15:08:30
RECIPIENT_EMAIL	roel.bartman@pharmaso1.de
DELIVERY_COMMENT	Success (via footer image)
CREATED_BY	APEX_PUBLIC_USER
CREATION_TS	24-MAR-22 15:08:30
UPDATED_BY	PS1091A
UPDATE_TS	24-MAR-22 15:09:05
MESSAGE_ID	00220324150830587565000.2AF8616D9F99C19F053180FA0C09FDF@mail-dev.ps1exchange.com
SUBJECT	Roela Sponsor
TRY_COUNT	1
TRY_NEXT_ON	
STATUS	DISPLACED
SPONSOR_ID	176093
CONTENT	<div class="ck-content"><figure class="table" style="width:100%;"><table><tbody><tr><td sty
SENDER_EMAIL	"Notifications e-mail account" <noreply-roela_sponsor@mail-dev.ps1exchange.com>



Use case 7

Email reply classification



Email replies

Enable automatic response during these dates (inclusive)
 Fri 2/12/2016 7:46 AM
 [Profile Icon] <noreply@...>
Mailbox No Longer Exists
 To: Exchange Server Pro
 MessageHeaderAnalyzer
 We're sorry, the email box that you attempted to email at [redacted] is no longer in use. Please call [redacted] or email info@... for assistance.
 We apologize for the inconvenience.
 back to you with a response as quickly as possible. During business hours (9am-5pm ET, Monday-Friday) we do our best to reply within a few hours. Evenings and weekends may take us a little bit longer.

"Will the email (eventually) reach the recipient?"

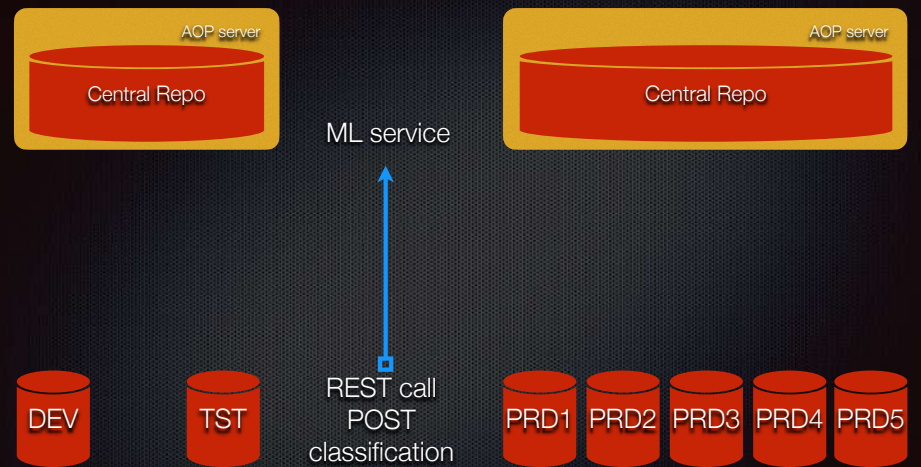
... in any language ..

email received

reply to what email

what does it say

what does it say



email received

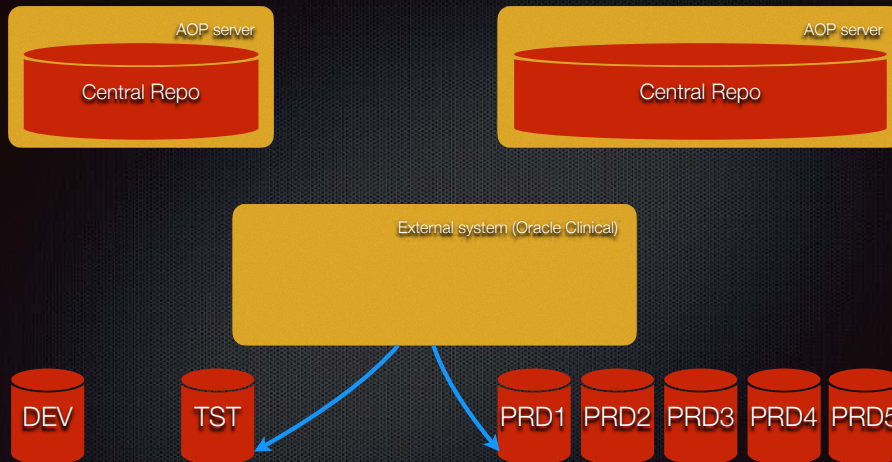
reply to what email

what does it say

take action

Use case 8

Document & data upload



```
begin
  dataload.RESTupload
  ( p_file      => :body
  , p_file_name => :title
  , p_client_id => :current_user
  , p_status    => :status
  );
end;
```

Parameters

Name	Bind Variable	Access Method	Source Type	Data Type
title	title	IN	HTTP HEADER	STRING
X-ORDS-STATUS-CODE	status	OUT	HTTP HEADER	INTEGER

Webservices & ORDS

are the glue that connects all
parts of our solution.



Q & A

@RoelH
roel@apexconsulting.nl