

**WORLD RECORD SOARING  
THROUGH THE CLOUDS  
LIVE DEMO OF  
19  
ORACLE PUBLIC CLOUD SERVICES**

**The Oracle ACE Soaring Clouds Team**

**Oracle OpenWorld 2017**

**2nd October 2017, San Francisco, US**



# SOARING THROUGH THE CLOUD



- Prepared by international team of Oracle ACEs
- Presented five times before today:
  - Valencia, Spain, March 2016
  - Katwijk, Netherlands, June 2016
  - San Francisco, USA, September 2016
  - Split, Croatia, March 2017
  - Amersfoort, Netherlands, June 2017
- Objective: demonstrate live a working end-to-end integrated flow using Oracle PaaS Cloud Services
  - and provide insight in how it is created and what the main challenges were



END-TO-END INTEGRATED FLOW USING **AS MANY**  
ORACLE PAAAS CLOUD SERVICES **AS POSSIBLE**



**OFFICIAL  
ATTEMPT**

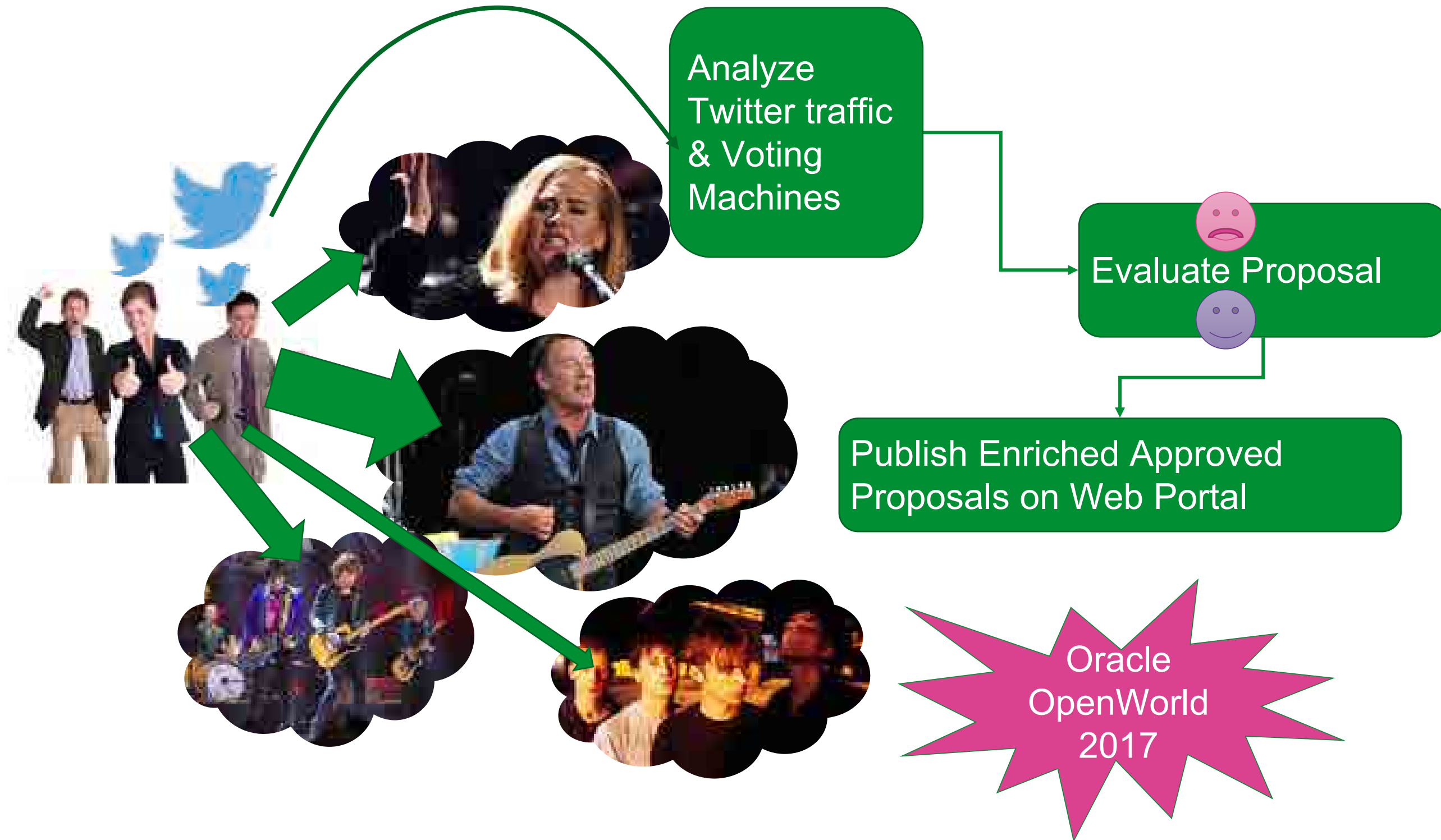


# THE TEAM

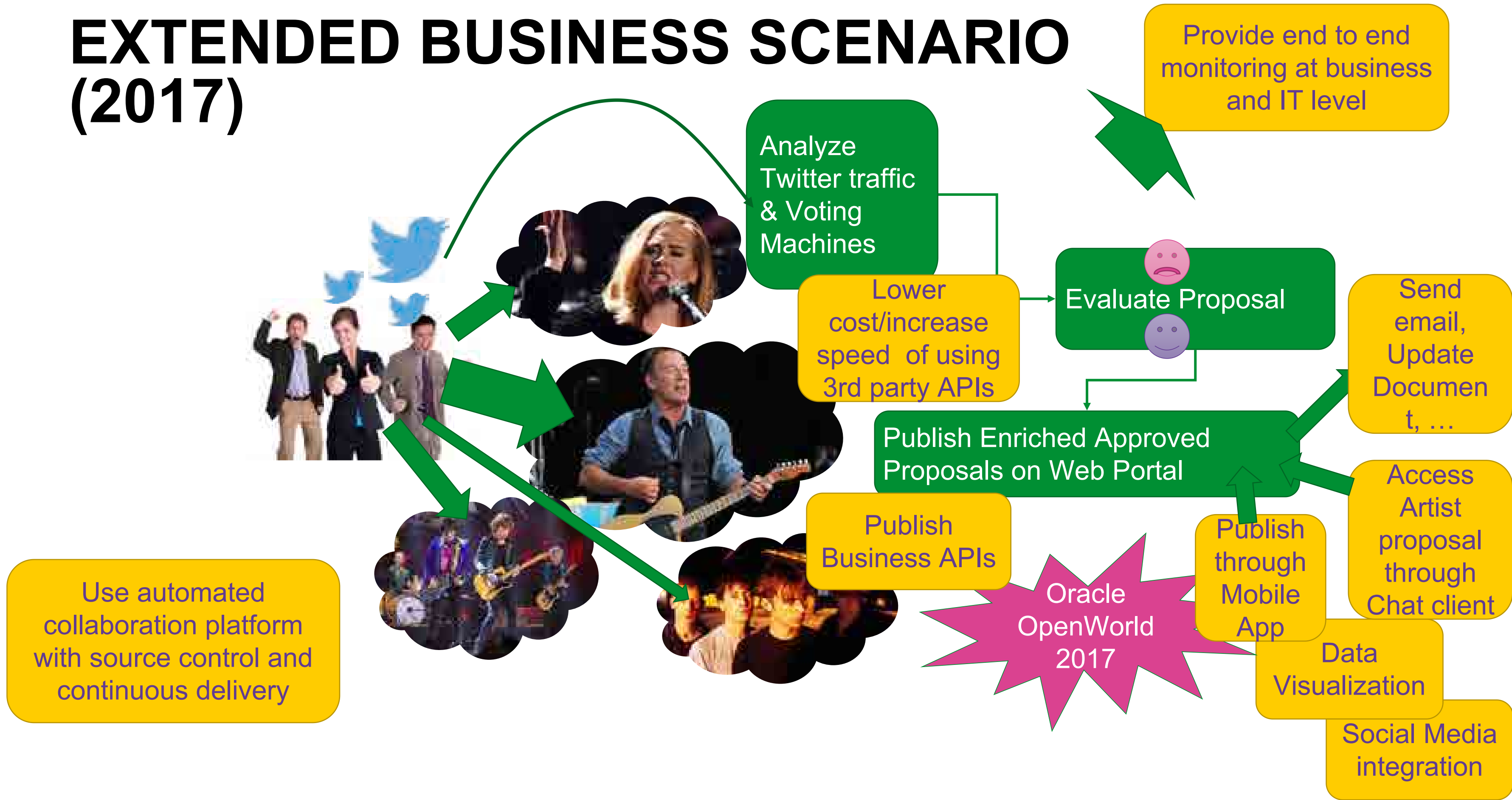
- Distributed
  - Three countries, Four partners, Five Locations
  - The Cloud is omnipresent
    - except when there is a form of outage



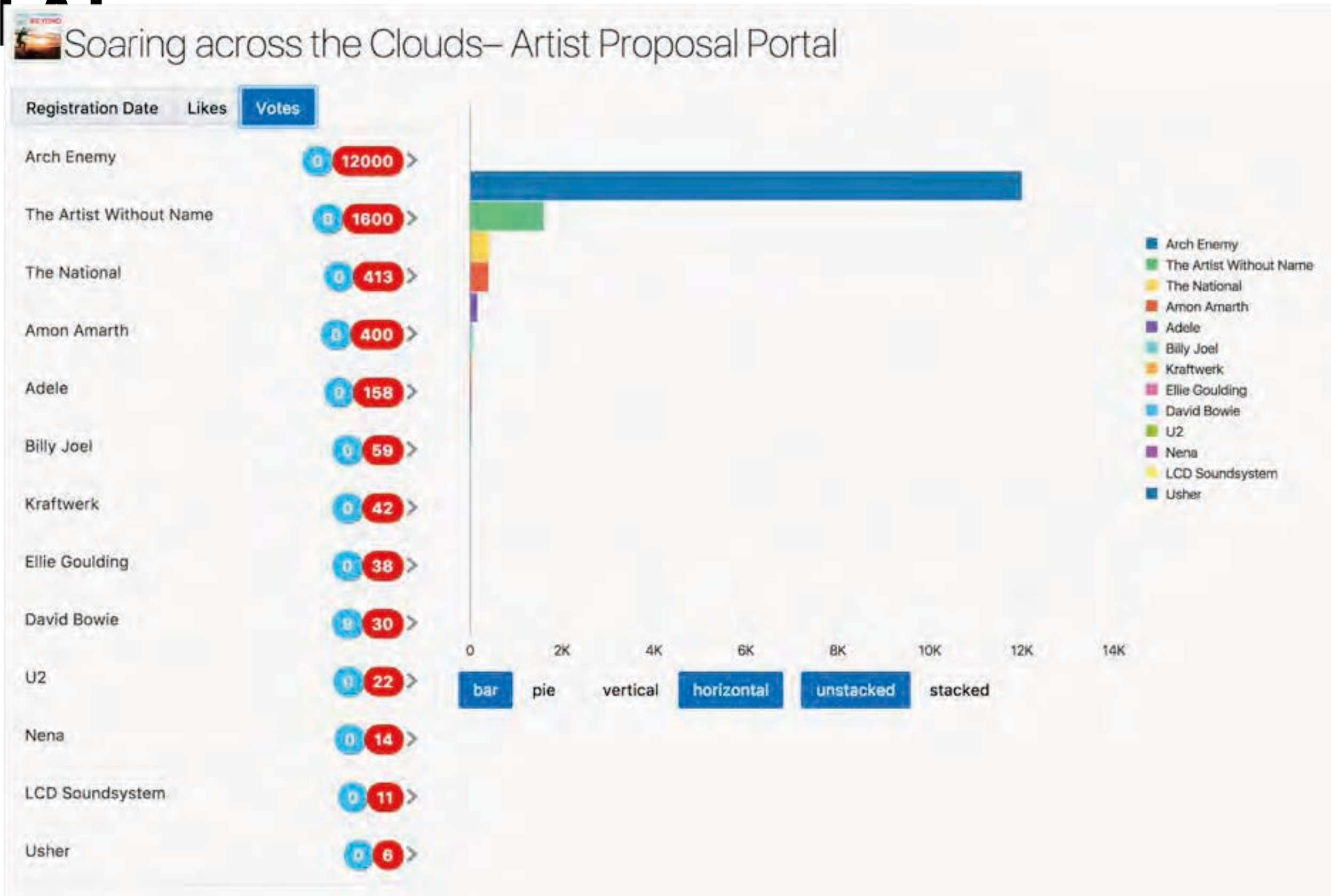
# BUSINESS SCENARIO (2016)



# EXTENDED BUSINESS SCENARIO (2017)



# THE CONFERENCE ARTIST PROPOSALS PORTAL



# DEVELOPER CLOUD SERVICE – PROJECT MANAGEMENT, SOURCE CONTROL, AUTOMATED BUILD & DEPLOY



The screenshot displays the Oracle Developer Cloud Service interface for a project named "SoaringDemo". The interface is divided into several sections:

- Navigation Menu (Left):** A dark sidebar with icons and labels for various project management tools: Project, Code, Maven, Releases, Snippets, Merge Requests, Issues, Agile, Build, Deploy, Docker Registry, Wiki, and Administration.
- Header:** The top bar shows the Oracle logo, the text "ORACLE Developer Cloud Service", the user email "richard@olrichs.nl", and a search bar labeled "Search Activities".
- Recent Activities - YESTERDAY:** A list of recent actions, including "Sven Bernhardt updated page Cloud Service Instances and Environment Details/SOACS" on "Yesterday at 3:27 PM +0700".
- 1 WEEK AGO:** A list of actions from the previous week, such as "Richard Olrichs created page BackOffice App in VBCS" on "September 22, 2017 4:15 AM +0700".
- TEAM:** A section on the right titled "TEAM" with a "+ New Member" button. It includes a "Filter Members" search bar and tabs for "All", "Owners", and "Members". The team list contains members with their names, roles (e.g., "Owner"), and email addresses, each with a small icon and a close button.





# NOW YOU TWEET YOUR ARTIST PROPOSAL FOR OOW 2017



Use the hashtag **#paasaces** to get noticed and add your favorite artist using another hashtag

**Note: use underscore for space**



# A PROPOSAL COMES IN

The screenshot displays the Microsoft Outlook application interface. The top ribbon shows various tabs like Home, Send, and People. The left sidebar contains navigation options such as Mail, Sent Items, and Deleted Items. The main pane shows an email from 'Lucie Dimens' with the subject 'Task Review Act Ellie Goulding #bgmv4081'. The email content includes a task notification from 'Cloud' with the following details:

**Cloud**

Hi! Lucie Dimens,

Task Review Act Ellie Goulding #bgmv4081 requires your attention. [View Onfile](#)

**Task Information**

From:	Lucie Dimens
Summary:	Please review suitability of Act, add description and range
Priority:	Medium
Created On:	2017-05-26 at 12:11 (A)

Copyright 2017. Cloud.com is a registered trademark of Cloud.com. All rights reserved. Cloud.com is a registered trademark of Cloud.com. All rights reserved. Cloud.com is a registered trademark of Cloud.com. All rights reserved.

APPROVE REJECT Save More

## Review Act Elle Goulding #bpmn:4081

Please review suitability of Act, add description and image

Comments History More information

### Form

pmf

Artist Name:

Elle Goulding

Please Enter Description for Artist

Albums Chart and has sold over 850,000 copies in the UK. Her cover of Elton John's "Your Song" reached number two in the UK in December 2010 and on 29 April 2011 she performed the song at the wedding reception of Prince William and Catherine Middleton at Buckingham Palace. The album's title track, "Lights", was released in the US in March 2011, and peaked at number two on the US Billboard Hot 100.

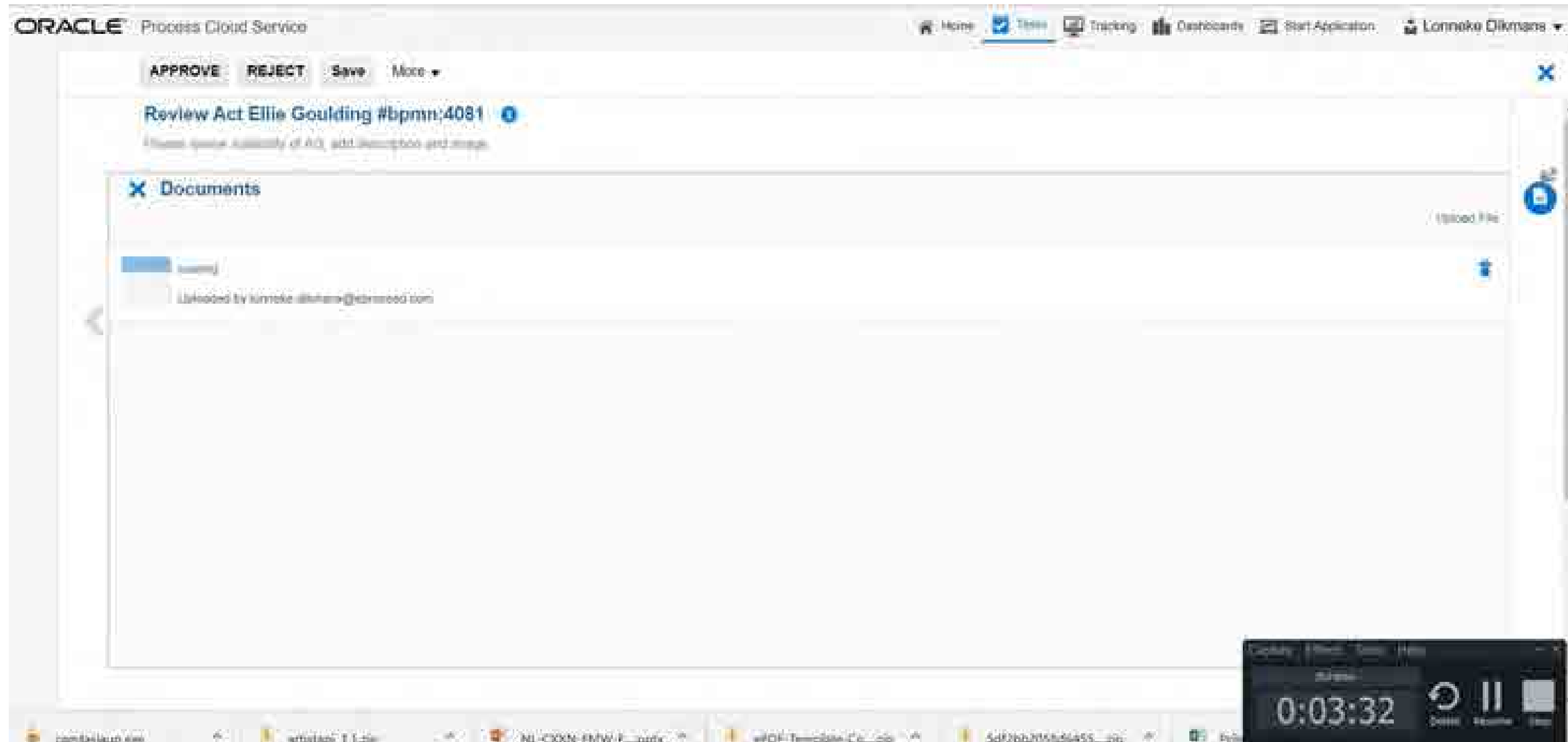
Please Add Image URL:

[https://en.wikipedia.org/wiki/File:Elle\\_Goulding\\_March\\_18\\_2014\\_\(cropped\).jpg](https://en.wikipedia.org/wiki/File:Elle_Goulding_March_18_2014_(cropped).jpg)

Your Feedback on Artist Proposed

I don't know her, but she seems popular so I suggest we hire her!

# SHOW DOCUMENT



APPROVE REJECT Save More

### Review Act Elle Goulding #bpmn:4081

Please review suitability of Act, add description and image

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Please Add Image URL:

[https://en.wikipedia.org/wiki/File:Elle\\_Goulding\\_March\\_18\\_2014\\_\(cropped\).jpg](https://en.wikipedia.org/wiki/File:Elle_Goulding_March_18_2014_(cropped).jpg)

Your Feedback on Artist Proposed

I don't know her, but she seems popular so I suggest we hire her!



# APPROVE TASK

The screenshot displays an email client interface. On the left, a sidebar shows a list of emails, with the top one selected: "lonneke.dikmans@ep... Approved: Review Act Elie Gou... 1:55 AM". The main content area shows the email header from "lonneke.dikmans@eproseed.com" with the subject "Approved: Review Act Elie Gouling #bpmn-4061". Below the header, a "Cloud" notification box is visible, containing the following information:

**Cloud**

Hello Lonneke Dikmans,

Task Review Act Elie Gouling #bpmn-4061 requires your attention. [View Online](#)

**Task Information**

From:	Lonneke Dikmans
Summary:	Please review suitability of Act, add description and image
Priority:	Medium
Created On:	2017-09-28 at 23:31:03

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This is a system-generated message. Do not reply to this message. This is not the email you are expecting. This is a result of your current relationship with Oracle Cloud. Several settings and our preferences have been reviewed to ensure that you receive this email.

# ACTIVATE SOCIAL MEDIA TWITTER, EMAIL, GOOGLE DOCS

- @Danilo: screenshot of Tweet, Email and OSSI outcome
- Demo:
  - Show the tweet that is published to announce the newly registered artist proposal.
  - Show the email on Gmail with the newly accepted proposal
  - Show the result of whatever we can make OSSI do in response to the new artist proposal

# CONFERENCE ARTIST PROPOSALS PORTAL WITH THE NEW PROPOSAL AND ARTIST ENRICHMENT

## Soaring across the Clouds— Artist Proposal Portal

← Back



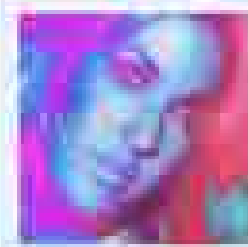
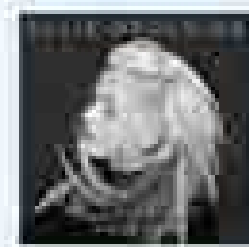
### Ellie Goulding

0 likes 200 votes

"Elena Jane "Ellie" Goulding (/ˈɡoʊldɪŋ/ GOHL-ding; born 30 December 1986) is an English singer and

songwriter. Her career began when she met record producers Starsmith and Frankmusik, and she was later spotted by Jamie Lillywhite, who later became her manager and A&R. After signing to Polydor Records in July 2009, Goulding released her debut extended play, *An Introduction to Ellie Goulding*, later that year.[4] In 2010, she became the second artist to top the BBC's annual Sound of... poll and win the Critics' Choice Award at the Brit Awards in the same year. She released her debut studio album, *Lights*, in 2010; it debuted at number one on the UK Albums Chart and has sold over 850,000 copies in the UK. Her cover of Elton John's "Your Song" reached number two in the UK in December 2010 and on 29 April 2011 she performed the song at the wedding reception of Prince William and Catherine Middleton at Buckingham Palace. The album's title track, "Lights", was released in the US in March 2011, and peaked at number two on

the US Billboard Hot 100.[5][6] Goulding's second studio album, *Halcyon*, was released in October 2012. "Anything Could Happen" preceded the album as the lead single. *Halcyon* debuted at number two on the UK Albums Chart and after 65 weeks reached number one. *Halcyon* debuted at number nine on the US Billboard 200. *Halcyon Days*, a repackaged edition of *Halcyon*, was released on 23 August 2013, it included new singles including "Burn", which became her first UK number-one single. At the 2014 Brit Awards, she received the award for British Female Solo Artist.[7] Goulding released her third studio album, titled *Delirium*, on 6 November 2015, with "On My Mind" as the album's lead single.[8] In December 2015, she received her first Grammy Award nomination for Best Pop Solo Performance for her single "Love Me like You Do".[9]"





# LIVE ENDPOINTS & RESOURCES FOR YOU TO ACCESS

<http://tinyurl.com/soaringpa>



**BEYOND UIs**

Public End User Artist Proposal Portal (JET on ACCS)  
Backoffice Proposal Manager (ADF on ACS)  
Twitter Account @SoaringClouds (Note: hashtag used to publish artist proposal #passards)

**APIs**

- [API Design on Apiary](#)
- [Fetch Likes document from Cache \(NodeJS against Application Cache – Coherence\)](#)
- [API for ArtistProposals \(REST API on API.GS\)](#)
- [Endpoint for ArtistEnrichmentAPI \(NodeJS on ACCS\)](#)

**Supporting Resources**

- [Source Code on GitHub](#)
- [Download Slides for our session](#)
- [Soaring Across the Clouds – II part article series on OTN](#)

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Share this on ... 

# EVENT ORGANIZER'S BACKOFFICE APPLICATION – VISUAL BUILDER CLOUD SERVICE

The screenshot displays a web application interface for editing agents. At the top left, there is a logo for 'BEHIND THE SCENES' and a title 'Backoffice App.'. The main heading is 'Edit Agents', with 'Save', 'Save and Close', and 'Cancel' buttons on the right. The form contains the following fields:

- Name: Concerts For America
- Phone: (845) 879-7805
- Email: [Empty]
- Site: http://concertsforamerica.com
- Contact name: James

Below the form is a section titled 'Acts' with a 'Create' button. A table lists three acts:

Adele	[Delete icon]
Ellie Goulding	[Delete icon]
Usher	[Delete icon]

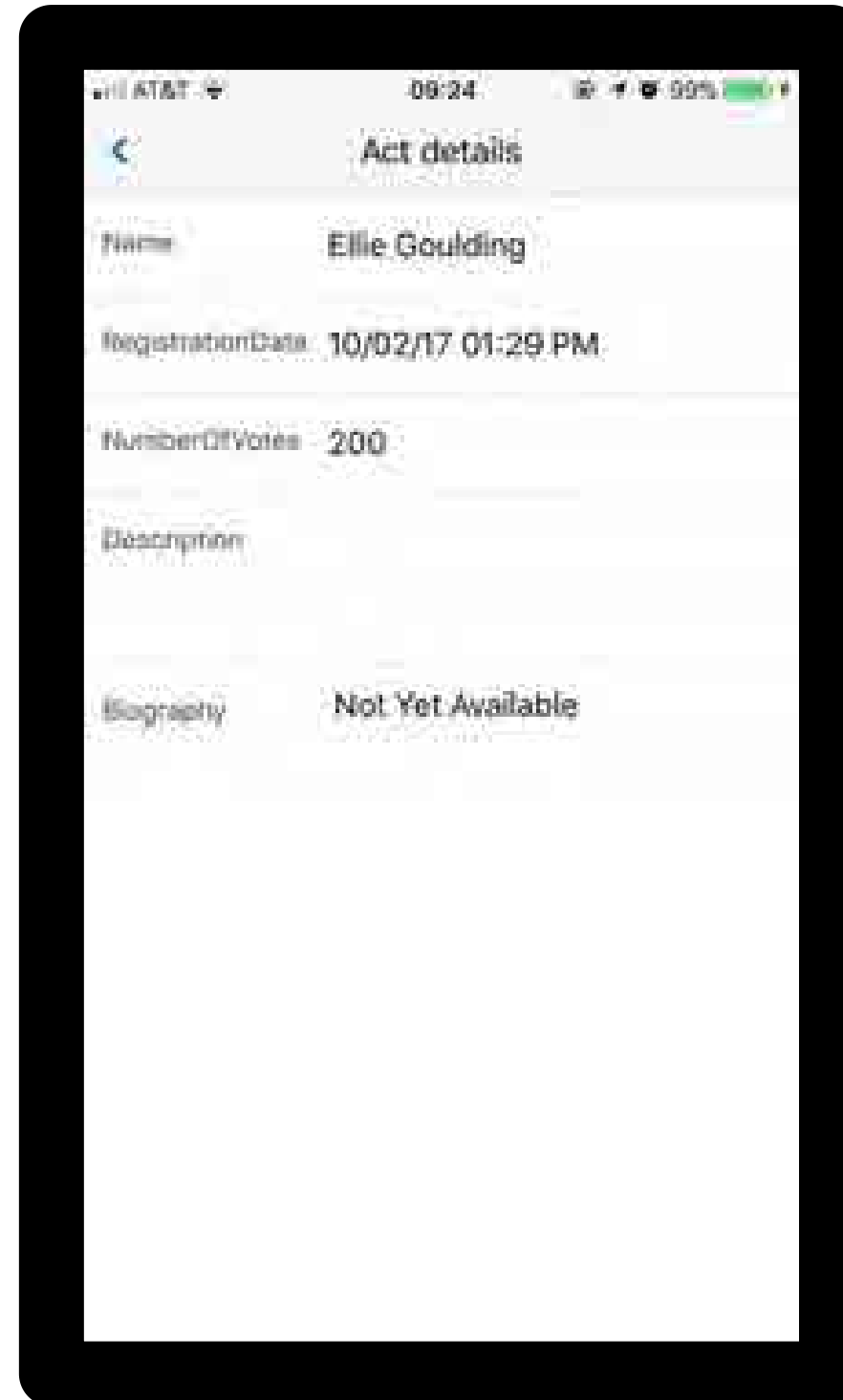
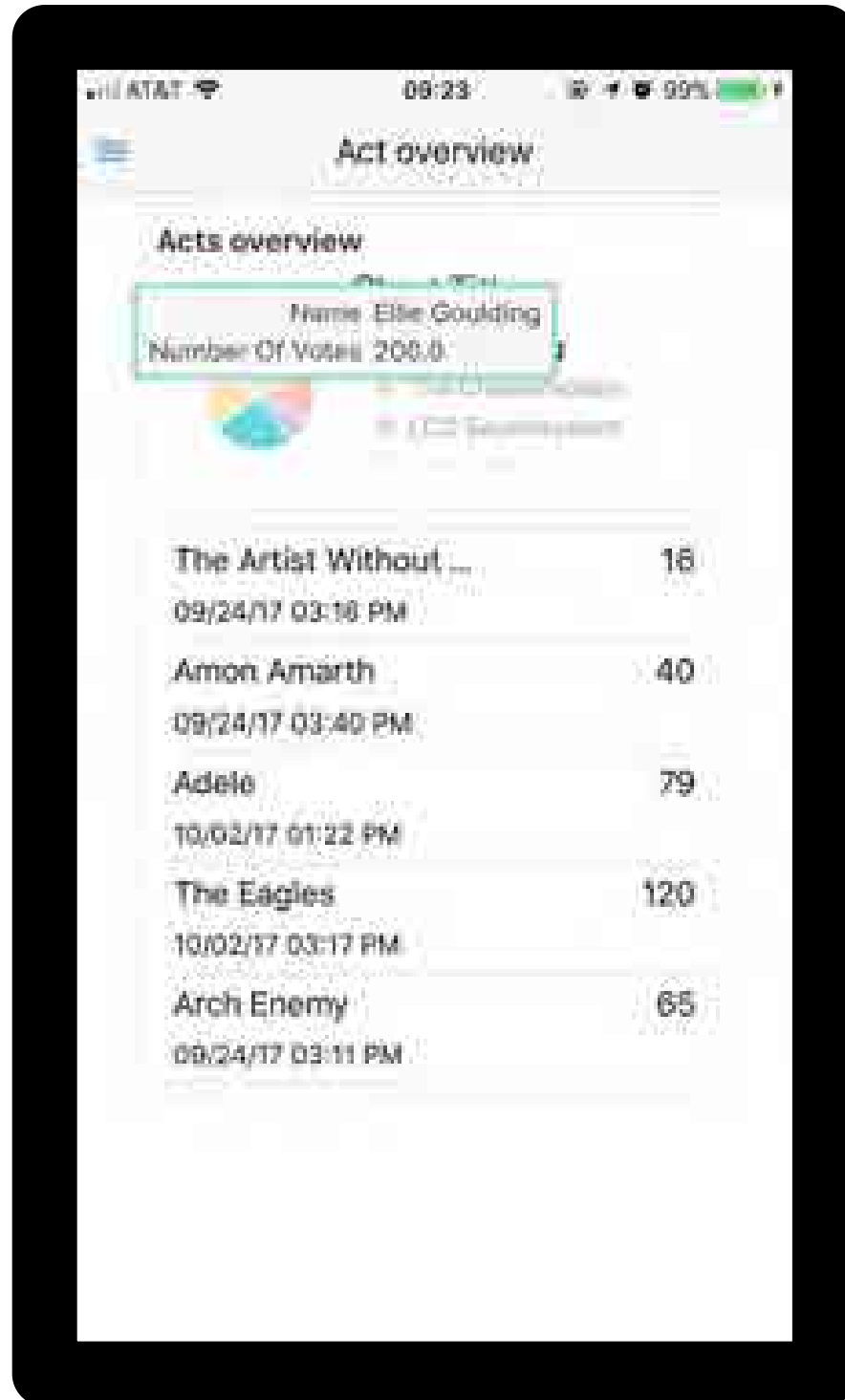
At the bottom right, there is a pagination control showing 'Page 1 of 1 (1-3 of 3 items)' and a page number '1' in a box.

# DO IT YOURSELF

- Download the MAX Application from the Apple Store or Google Play
- Read the QR code
- Login with Mobileuser / soaringOC



# ARTIST OVERVIEW AND DETAILS



# ARTIST PROPOSAL BACK OFFICE RAW DATA MANAGEMENT APPLICATION

Soaring through the Clouds - Artist Proposals Manager


Index

View - [Details]

Name	ProposalTimestamp	NumberOfVotes
Ellie Simmonds	Sep 26, 2017 11:52	0
Kuffenik	Sep 6, 2017 8:10:28	42
The National	Sep 7, 2017 8:11:38	413
LCD Soundsystem	Sep 6, 2017 8:12:46	11
Amarante	Sep 23, 2017 12:54	123
Sam	Sep 6, 2017 8:15:24	14
Billie Joe	Sep 6, 2017 8:16:06	59
Ellie Goulding	Sep 26, 2017 1:11:11	1200
David Bowie	Sep 6, 2017 10:20:00	33
oz	Sep 6, 2017 2:00:01	22
Herb	Sep 6, 2017 8:19:04	8

View - [Details]

Title	ReleaseDate	CoverImageURL
Outside (The EP)	Apr 10, 2013	<a href="http://m2.mondat.com">http://m2.mondat.com</a>
I Need Your Love	Apr 11, 2013	<a href="http://m3.mondat.com">http://m3.mondat.com</a>
Heavy Kismet (Dem)	Jan 1, 2013	<a href="http://m3.mondat.com">http://m3.mondat.com</a>
Halcyon	Jan 1, 2013	<a href="http://m1.mondat.com">http://m1.mondat.com</a>
Goodness Graces	Jan 1, 2014	<a href="http://m4.mondat.com">http://m4.mondat.com</a>
iTunes Session	Jan 1, 2013	<a href="http://m2.mondat.com">http://m2.mondat.com</a>
Anything Could Be	Jan 1, 2013	<a href="http://m1.mondat.com">http://m1.mondat.com</a>
Lights (The Rom	Jan 1, 2013	<a href="http://m4.mondat.com">http://m4.mondat.com</a>
Delirium (Deluxe)	Nov 11, 2013	<a href="http://m2.mondat.com">http://m2.mondat.com</a>
iTunes Festival 1	Jan 1, 2012	<a href="http://m5.mondat.com">http://m5.mondat.com</a>
iTunes Festival 1	Jan 1, 2010	<a href="http://m2.mondat.com">http://m2.mondat.com</a>
iTunes Festival 1	Jan 1, 2012	<a href="http://m2.mondat.com">http://m2.mondat.com</a>



# DATA VISUALIZATION AND DATA ANALYSIS – CITIZEN DATA SCIENCE

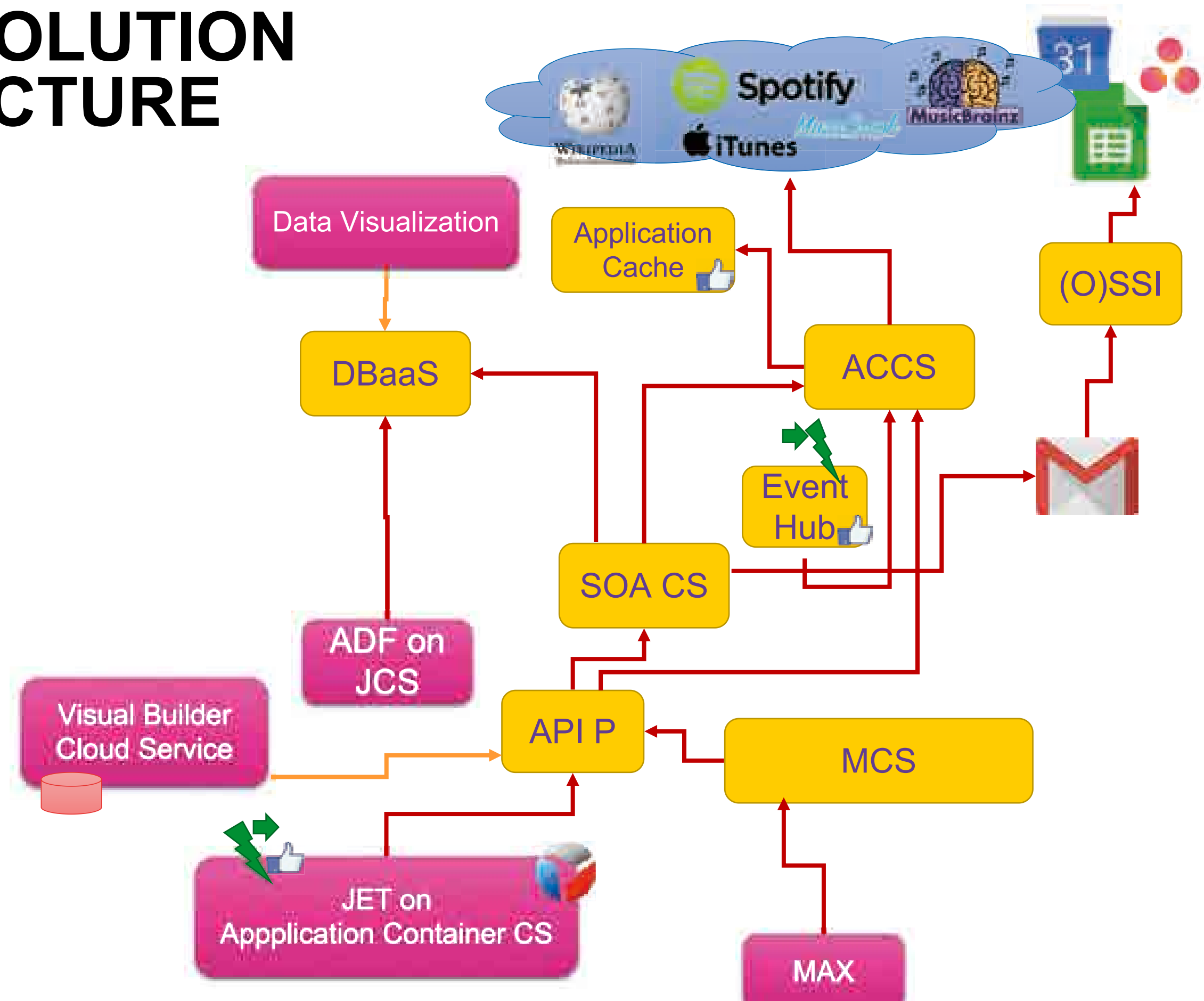








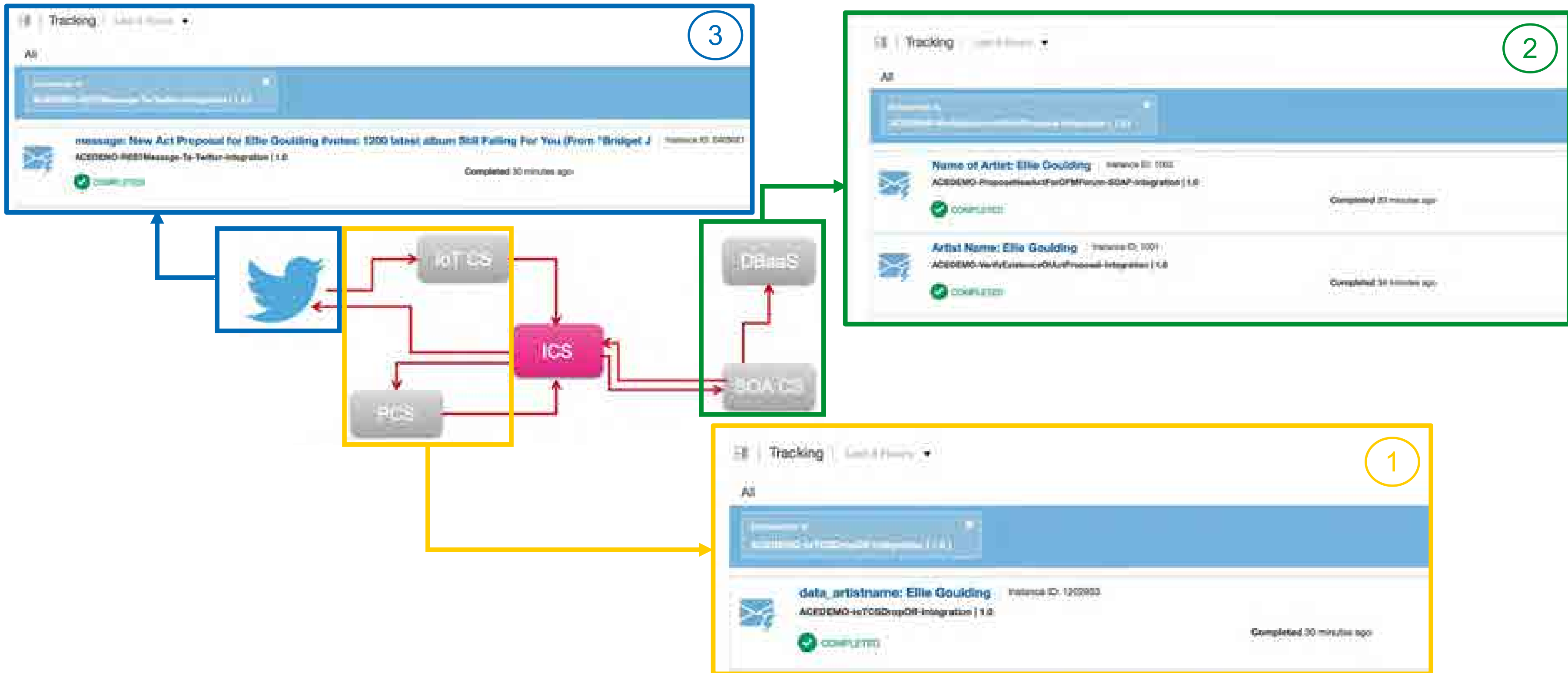
# CLOUD SOLUTION ARCHITECTURE



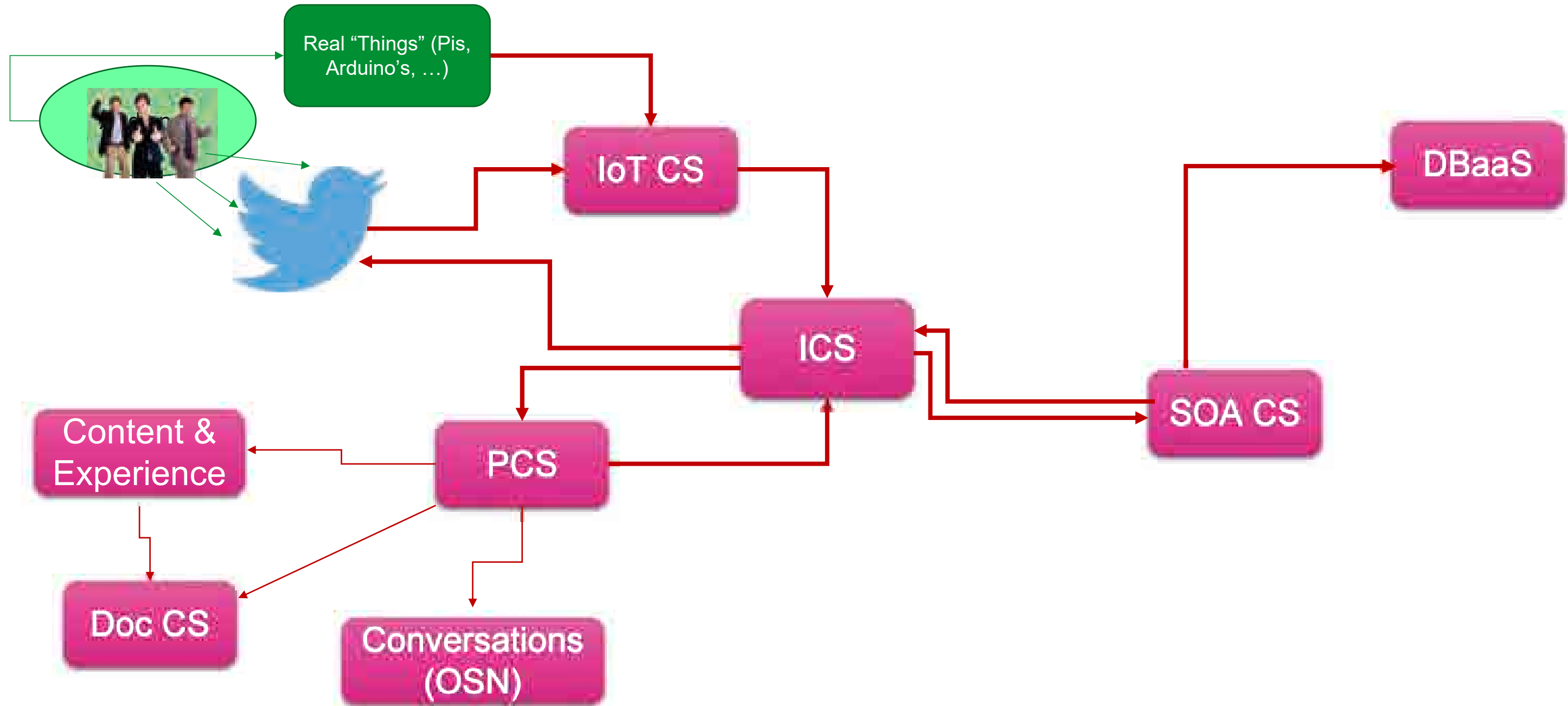
# TRIGGERING ARTIST PROPOSAL APPROVAL FROM PHYSICAL THINGS OR SOCIAL MEDIA

- @Danilo
- Screenshot IoT
  - messages/stream analysis on IoT = specifically for new artist
- Demo:
  - Show messages/stream analysis on IoT = specifically for new artist

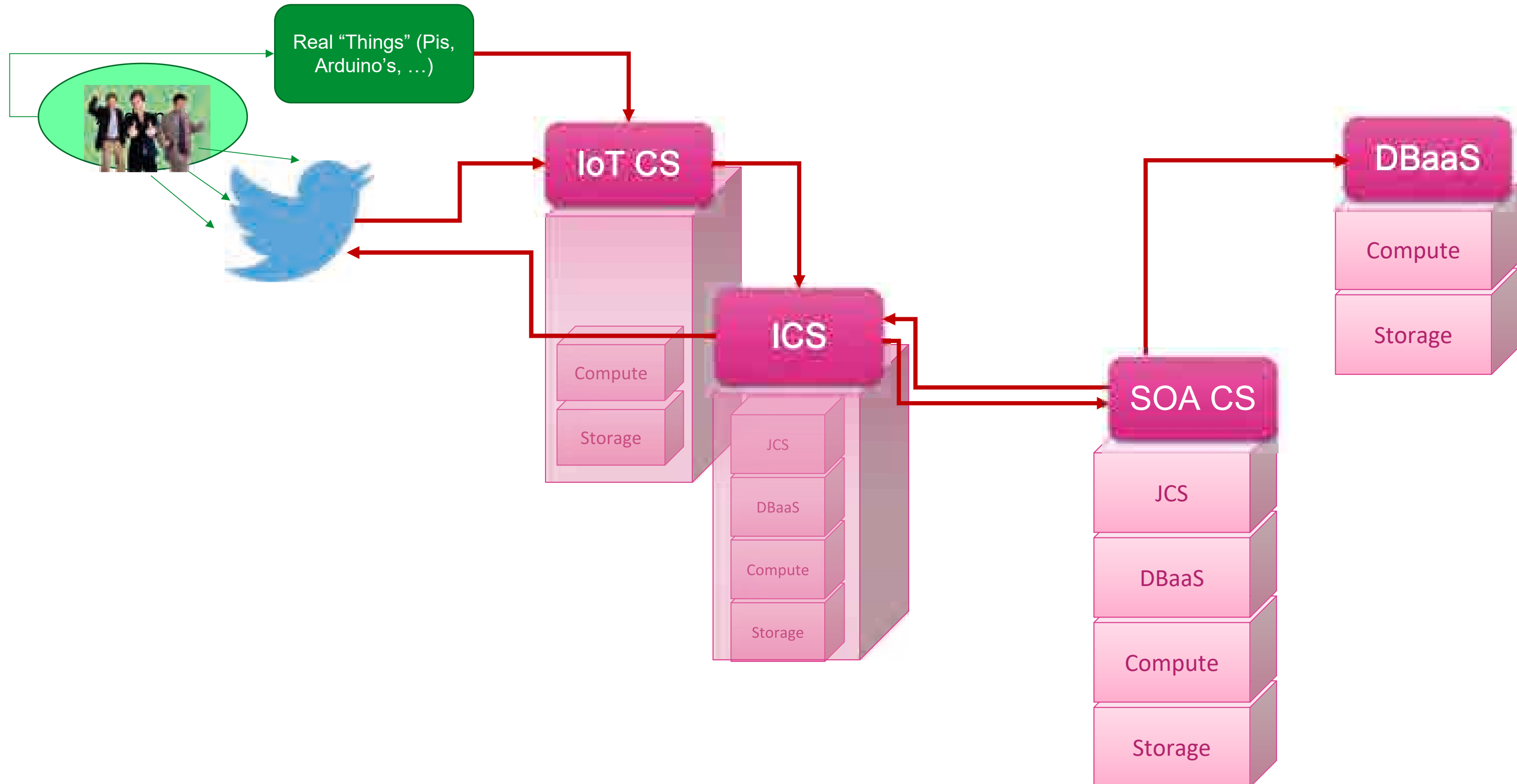
# THE MAN IN THE MIDDLE - HOOKING UP IOT, PROCESS CLOUD AND BACK OFFICE DATABASE



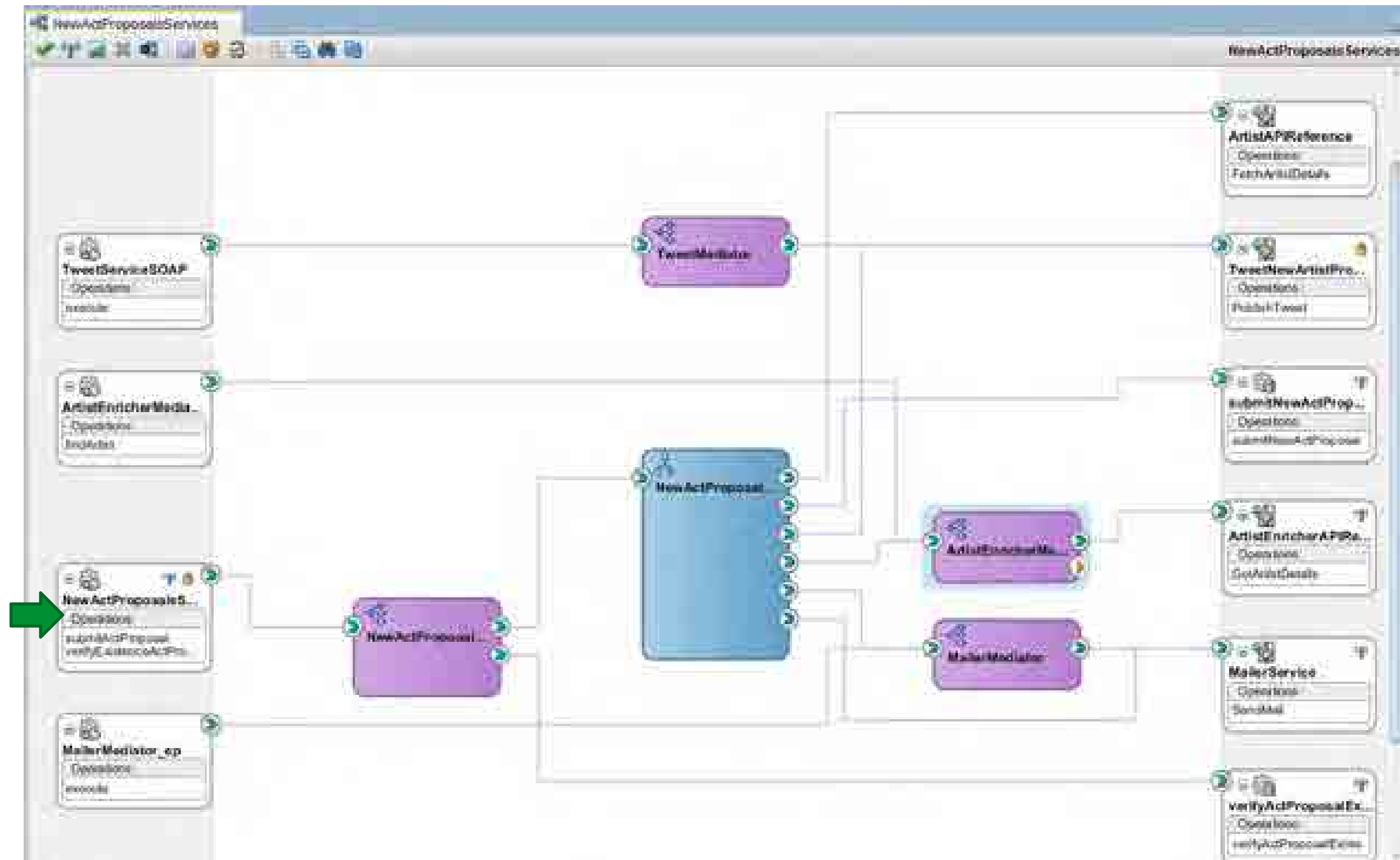
# AND SOME MORE CLOUD SOLUTION ARCHITECTURE



# SOME OF THE UNDERLYING FOUNDATIONAL INFRASTRUCTURE CLOUD SERVICES



# SOA CS



NewActProposalsServices [1.0] (SOA Composite Application) Active **Retire** **Shut Down** **Test**

Dashboard Composite Definition **Five Instances** View Tests Policies

Search Results - Instances Created (24 Days)

Actions View

Flow ID	Initiating Composite	Flow State	Created	Last Updated
40021	NewActProposalsServices [1.0]	Completed	Oct 2, 2017 1:51:43 PM	Oct 2, 2017 1:52:23 PM
38328	NewActProposalsServices [1.0]	Completed	Sep 26, 2017 1:38:03 AM	Sep 26, 2017 1:42:05 AM
38327	NewActProposalsServices [1.0]	Completed	Sep 26, 2017 1:38:24 AM	Sep 26, 2017 1:38:24 AM
38326	NewActProposalsServices [1.0]	Completed	Sep 26, 2017 1:39:07 AM	Sep 26, 2017 1:39:09 AM
38186	NewActProposalsServices [1.0]	Failed	Sep 26, 2017 12:14:53 AM	Sep 26, 2017 12:21:55 AM
38187	NewActProposalsServices [1.0]	Failed	Sep 26, 2017 12:06:57 AM	Sep 26, 2017 12:12:58 AM
37447	NewActProposalsServices [1.0]	Failed	Sep 26, 2017 11:37:05 PM	Sep 26, 2017 11:46:16 AM

Data Refreshed Oct 2, 2017 1:53:58 PM

ent instances

Flow ID: 40021  
Started: Oct 2, 2017 1:51:43 PM

Flow Instance: 40021

**Fault Time Recovery**

salProcessor

Oct 2, 2017 1:52:23 PM **Recovered**

### Trace

View Show Instance IDs

Show XML

Instance	Type	Usage	State	Time	Composite
NewActProposalsService	Web Service	Service	Completed	Oct 2, 2017 1:51:43 PM	NewActProposalsServices [1.0]
NewActProposalsMediator	Mediator		Completed	Oct 2, 2017 1:51:44 PM	NewActProposalsServices [1.0]
NewActProposalProcessor	BPEL		Recovered	Oct 2, 2017 1:51:44 PM	NewActProposalsServices [1.0]
ArtistEnricherMediator	Mediator		Completed	Oct 2, 2017 1:51:44 PM	NewActProposalsServices [1.0]
ArtistEnricher	REST Binding	Reference	Completed	Oct 2, 2017 1:51:44 PM	NewActProposalsServices [1.0]
submitNewActProposal	JCA Adapter	Reference	Completed	Oct 2, 2017 1:52:06 PM	NewActProposalsServices [1.0]
TestNewArtistProposal	REST Binding	Reference	Completed	Oct 2, 2017 1:52:08 PM	NewActProposalsServices [1.0]
MailerMediator	Mediator		Failed	Oct 2, 2017 1:52:10 PM	NewActProposalsServices [1.0]
MailerService	REST Binding	Reference	Failed	Oct 2, 2017 1:52:10 PM	NewActProposalsServices [1.0]

# REMEMBER THAT NEW FEATURE?

- Incident created in Dev CS
- Feature implemented in JET
- New release was built and deployed from DevCS to ACCS
- Refresh the Portal application in your browser
  - Et voila

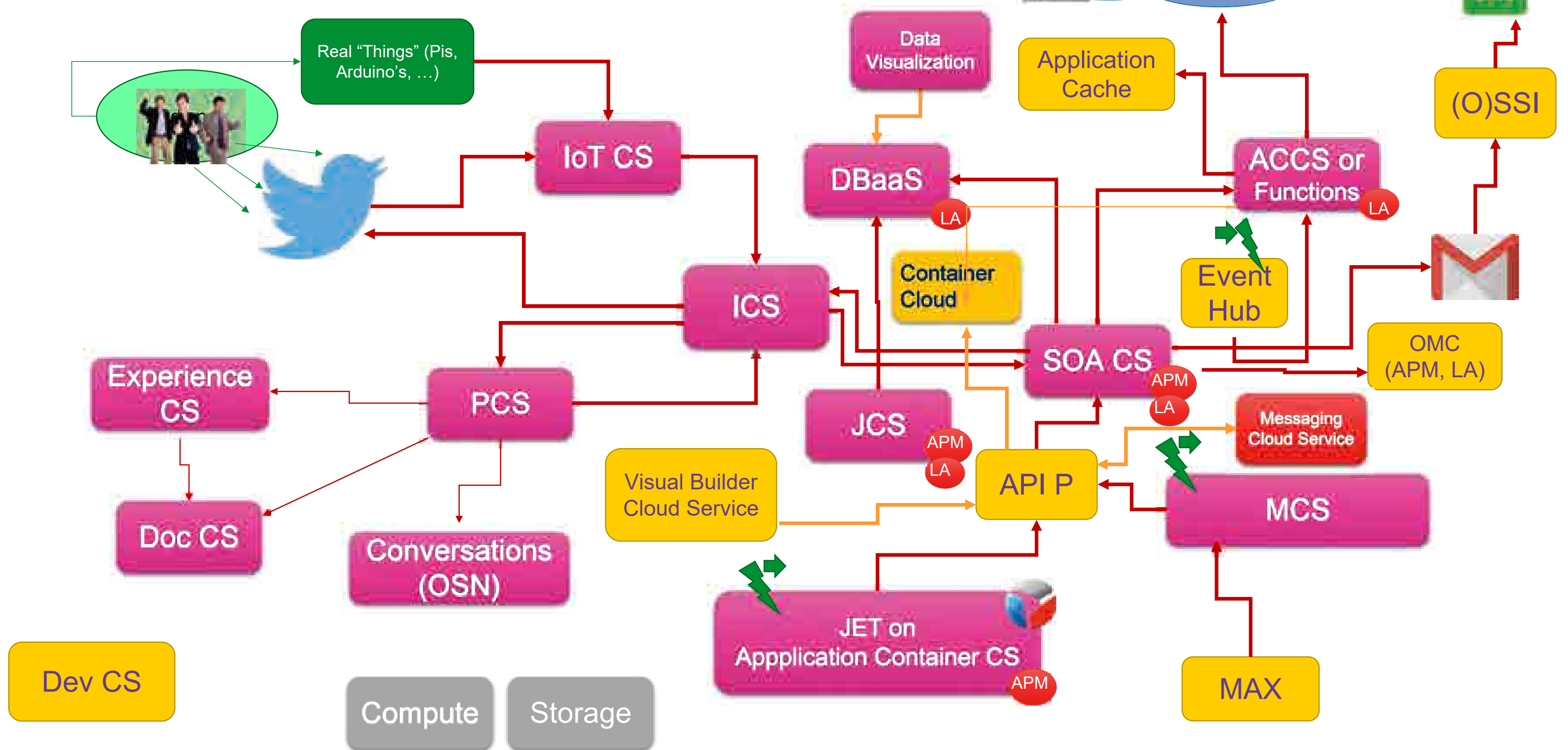




# CONCLUSION


- What about that world record?

# CLOUD SERVICES ARCHITECTURE



# CONCLUSION



- What about that world record?
- Mutual integration of Oracle PaaS Cloud services is becoming more natural
- The current Oracle PaaS palette offers many options for implementing Platform components
  - There is some overlap
  - There is some lack of obvious integration
- es to be added – so next year, a new record!

