

ORAWORLD

e-Magazine for Oracle Users published by the EOUC

Social Media

Meet @TrumpDBA!

How Do Oracle User Groups Use
Twitter and Facebook?

Top 5 Jobs of the Future

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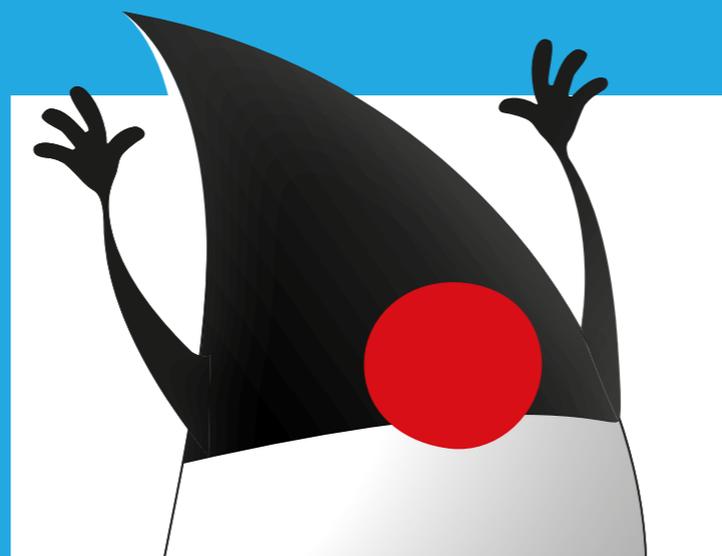
March 2017, Edition #4





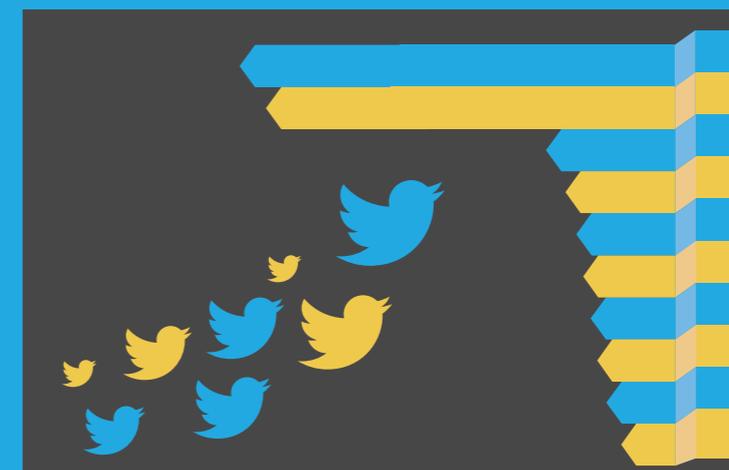
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Have a comment? Suggestion?
Want to submit an article proposal?
Here's how to do it.

Editorial

Dear Oracle User Group Community Members,

I hope you've all had a happy and good start into the New Year 2017. I personally believe that we are going through some very interesting and challenging times when it comes to dealing with technologies in general, and the Oracle community in specific. Lately, we are witnessing various new database platforms, along with an extended variety of cloud solutions, all together making our world of technologies continuously moving towards new and improved technologies. I believe that those are the best of times for us, the Oracle community members, to keep learning and acquiring new skills, get exposed to Oracle's new technologies and to try using new products and technologies in order to stay up-to-date and keep up with the various innovations.

I strongly believe that the user group community is indeed the best place to keep up with all those new products, technologies and innovations which Oracle has to offer. I encourage you all to stay updated with your local user group schedule for special interest group meetings, local presentations, hands-on events and any other information that your user group can provide you with, regarding Oracle's new offerings including the new Oracle Database 12c Release 2, the Oracle Cloud, PaaS, IaaS and many others.

I encourage you all to invite your friends and colleagues to login to the website and register to get your ORAWORLD online magazine to your inbox for free: www.ORAWORLD.org. I would like to thank everyone who contributed to this edition and shared their articles and thoughts with the user group community.



Ami Aharonovich
President, iIOUG (Israel)
Ambassador, EOUC

Please continue your contribution to the ORAWORLD magazine and submit new content on our website: www.ORAWORLD.org. We are interested in your upcoming user group events, call for papers, successful conferences and any other content relevant and interesting for the Oracle user group community members. We are looking forward to your submissions and feedback.

Yours,
Ami Aharonovich
President, iIOUG (Israel)
Ambassador, EOUC

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Meet @TrumpDBA!

Marina Fischer

Who is this guy who says about himself, in his humble manner, that the only difference between him and the other database administrators is that he is more honest and that his women are more beautiful? Let's find out...



Trump DBA @TrumpDBA · Nov. 8, 2016
TODAY WE WILL MAKE DATA GREAT AGAIN!

2 4 16



Trump DBA @TrumpDBA · Feb. 02, 2017
Everybody is arguing whether or not it is a [#LinuxBan](#). Call it what you want, it is about keeping bad platforms (with bad intentions) out!

4 55 102



Trump DBA @TrumpDBA · Nov. 21, 2016
Unit testing has been a DISASTER! Testing is complicated and only needed by programmers that write bad code! DUMB!

1 112 91



Trump DBA @TrumpDBA · Feb. 04, 2017
We must keep NULLs out of our databases. Nobody knows what they are! ACTION!

9 157 228



Trump DBA @TrumpDBA · Jan. 21, 2017
I've just signed an executive order eliminating foreign keys from databases forever. Use AMERICAN KEYS instead! ACTION!

102 5,6 Tsd. 5,1 Tsd.



Trump DBA @TrumpDBA · Feb. 09, 2017
I HAVE NO SERVERS IN RUSSIA! Anyone saying otherwise is giving you FAKE DATA!

1 107 192



Trump DBA @TrumpDBA · Jan. 30, 2017
Just signed an EO that requires dropping two indexes for every index you create. We will eliminate RADICAL INDEXING! [#MakeDataSmallAgain](#)

7 238 Tsd. 263



Trump DBA @TrumpDBA · Feb. 10, 2017
SEE YOU IN THE DATA CENTER, THE SECURITY OF OUR SERVERS IS AT STEAK!

10 194 383



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Marina Fischer

Top 5 Jobs of the Future

Not only the workplace is changing fast, but also jobs are changing rapidly as technology advances. As some jobs will completely disappear because they are being replaced by machines, many new jobs will be created just as well. Are you wondering what the jobs of the future could look like? We came up with five professions that could become reality in the next decades – and to some extent some of them today already are.



Data Scientist

In 2012, the Harvard Business Review called the job of data scientists the „sexiest job in the 21st century“ – but what does a data scientist actually do? We all know that every second, tons of data are generated all around the world. Usually, this data would be forever lost and simply useless. Unless, however, someone has the skills to bring order among the vast amount of data chaos. That is when a data scientist steps in. His job is all about structuring huge volumes of data. By creating programming code and combining it with statistical knowledge, data scientists find hidden, unexpected patterns and connections, and make them visible and understandable for others. Common scenarios where data science comes in handy already today are for example streaming services like Netflix that are constantly learning about which shows you like and letting producers decide which movies should be shot next, or analytical calculations that are helping to predict the outbreak or course of diseases.



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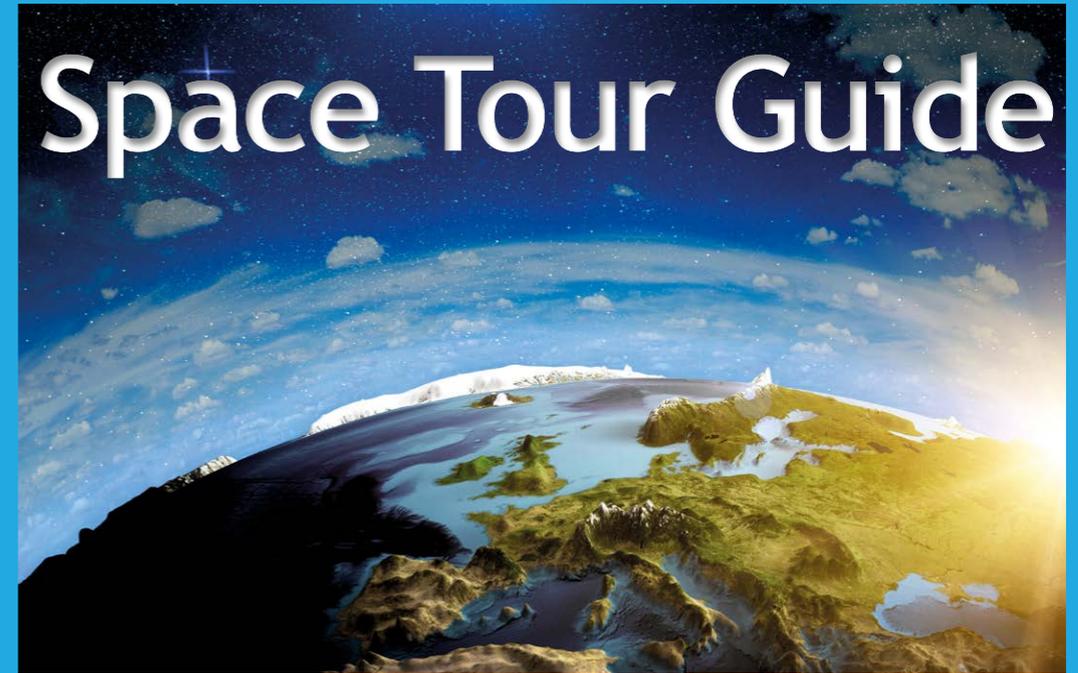
In the not so far away future, every household will own several intelligent robots to make their lives easier. This could be a robot who can cook, clean, drive, or care for elderly people and pets. Today at least some of us already have a Robotic Vacuum Cleaner, or a Smart Home System which allows us to control the temperature in our living room from anywhere in the world. However, the future will hold endless possibilities for home improvement, introducing more and more machines with artificial intelligence (AI) into our households. An AI trainer will make sure that everything runs smoothly and offers guidance for robots and humans alike. He not only teaches robots to understand the world and act accordingly by configuring the ultra-smart software, but also instructs their owners on how to interact with the AI. In addition, he offers support and helps finding the right AI solution for every household.

Climate Hacker

As global warming will become a much bigger threat, our only hope might be climate engineering. Today, more and more scientists share the opinion that even sharp cuts in emissions won't be able to stop climate change. Even more heatwaves, draughts, hunger crises, but also floods and hurricanes are the looming consequence. However, in the future we might still be able to do something about it with the help of climate engineering. Researchers are currently looking into ways to remove the carbon dioxide and to manage solar radiation. As a climate hacker, it could be your job to develop solar panels that shade the earth and reflect sunlight, or to build greenhouse gas filtration plants.



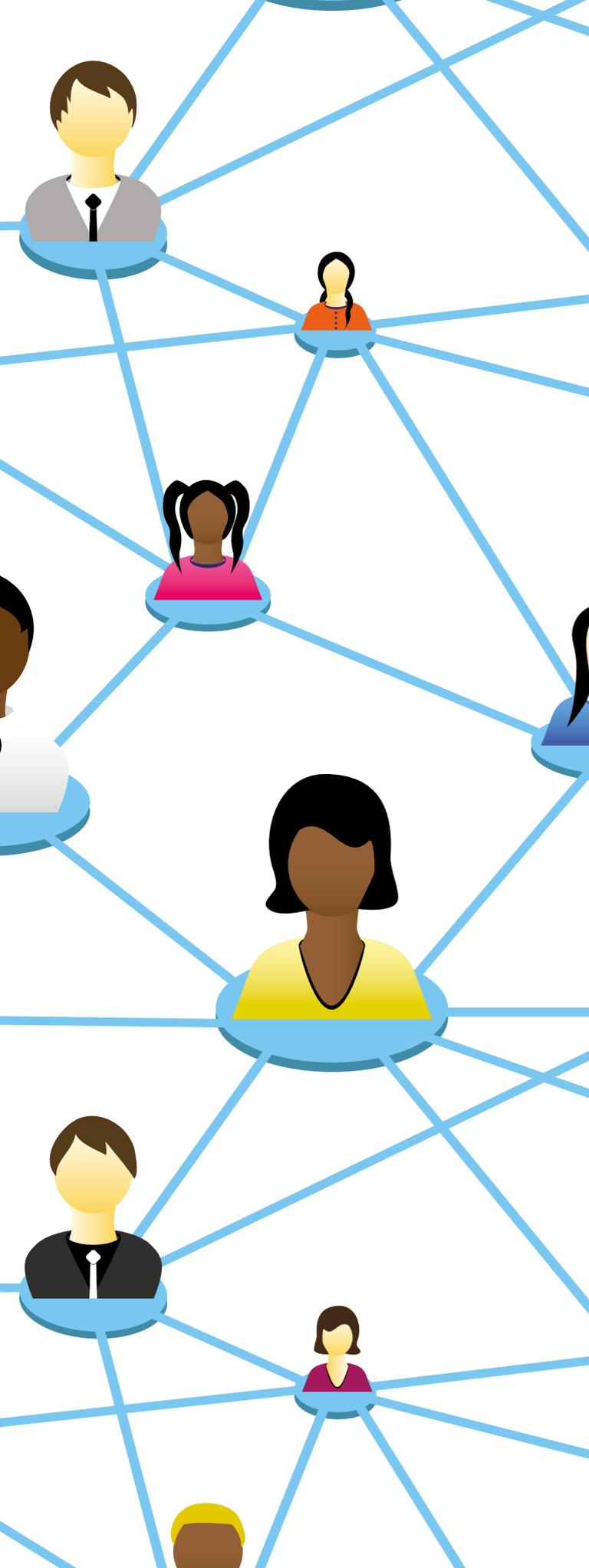
Always wanted to see the earth from space? In the future, you could have this every single day by being a space tour guide. Soon enough, the tourism industry will set on the next frontier: space travel. As time goes by, space travel will become affordable for private individuals, not only for the rich. So it won't take long for more and more space travel agencies to pop up. As a space tour guide, you can witness happy smiles when space tourists experience zero gravity and see the earth from above for the very first time. In addition, it is your job to explain everything a space tourist needs to know about space travel and its history, to make sure that everyone is safe, and to enjoy the view.



Digital Detox Therapist



Ever heard of the term „Smombie“? It's a combination of the terms „smartphone“ and „zombie“, and refers to people who are so distracted by their smartphone that they barely perceive their surroundings. But this is just the beginning: In the future, the dependence on smartphones and other electronic devices will increase significantly. We will be constantly exposed to all sorts of information, popping up any time, anywhere. So it will become more important to find times to „unplug“. However, even today, everyone seems to know somebody who cannot let go of the constant information stream. Therefore, digital detox therapists will be necessary to help people finding the right balance between on- and offline.

A network diagram consisting of a grid of blue lines connecting various icons of people. The icons are stylized and diverse in appearance, representing a global or multi-cultural network. The background is white, and the network lines are light blue.

Number of the Quarter:

2,000,000

Jobs created by AI until 2021

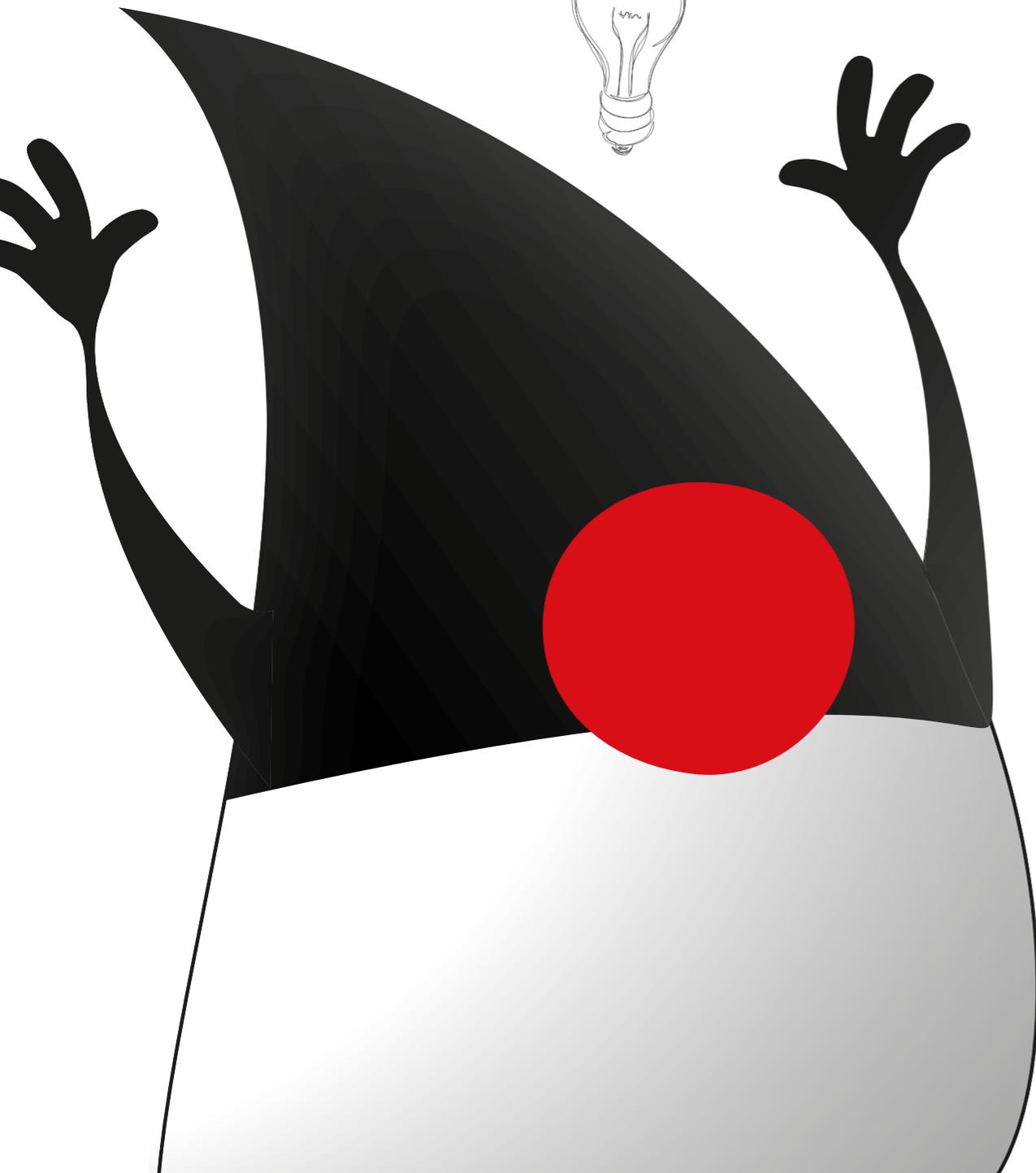
After the Cloud, there is a new buzzword in town, and it's Artificial Intelligence (AI). According to a recent **report** by the World Economic Forum, by 2021, 2 million jobs will be created, mostly in Computer, Mathematical, Architecture and Engineering related fields. The same report states that under the cover of the fourth revolution, AI could also replace up to 7.1 million jobs, two thirds of which are concentrated in routine white collar office jobs. However, many experts agree that with their aggressive automation, robots and AI will transform existing jobs rather than replacing them, thus freeing us from the more repetitive jobs and enabling us to „**produce more with less**“.

Like many other IT giants, Oracle has plans to integrate machine learning into its software. In September 2016, Oracle unveiled its „Adaptive Intelligent Applications“, which are part of its Cloud portfolio. These applications come with real-time analytics and constantly adapt and learn from the data they process. The intelligent Cloud applications offer individualized recommended actions and thereby help marketers, human resource or finance professionals. A detailed article on AI and machine learning at Oracle can be found **here**.

“The Net’s Smoothest Code Man”

The Origins of Duke, the Java Mascot

Lisa Damerow



In the last issue, we unraveled the mystery of why MySQL’s logo includes a dolphin. This time, we are very pleased to introduce Duke, the Java mascot, to you.

Initially, the cartoon character named duke was the host of the *7 (“Star Seven”) device, an interactive handheld home entertainment controller, created by Sun Microsystem’s Green Project team. He used to assist the user by performing tasks on the touch-screen interface. He was created by one of the team’s graphic artists, Joe Palrang, who would later work on animated films such as Shrek, Antz, Over the Hedge and Flushed Away.

Duke quickly became very popular among the community. Around the same time the Java cup logo was commissioned, he became the official mascot for Java technology. In 1996, the comic “[The Amazing Adventures of Duke](#)” was released and is definitely still worth a read nowadays. In the comic, “the net’s smoothest code man” loves JIT cola, surfing and has to face a major threat. Overall a pretty cool guy, as expected. In 2006, he was officially open sourced and people were encouraged to create their own version of Duke. Every year, Oracle releases a new official persona for him as well.

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ORACLE®

This year, Oracle will celebrate its 40th birthday. We take this as an opportunity to look back on the journey: From the code-named database program "Oracle", developed by only three software engineers in 1977 for the CIA, to the Oracle Corporation with more than 135,000 employees in 2017.

Database Versions Company History Acquisitions

1977: Oracle

The database program code-named "Oracle" is developed by Silicon Valley-based software engineers Larry Ellison, Bob Miner, and Ed Oates for the CIA

1977

The company starts under the name Software Development Laboratories (SDL)

1978

SDL becomes Relational Software Inc. (RSI)

1979

1979: Version 2

"Oracle" is released for the first time commercially as "Oracle Version 2"

1980

1981

1982

RSI changes its name to Oracle Corporation

1983

1983: Version 3

Focuses on compatibility and portability with the server code written in C

1984: Version 4

Comes with the new feature „read consistency“

1984

1985

1985: Version 5

Comes with client/server mode, which is used until today

1986: Version 5.1

Enables distributed queries and introduces clustering technology

1986

1987

Oracle launches its Applications Division

1988: Version 6

Includes new features like row-level locking, hot backup, PL/SQL, Oracle Forms v3

1988

1989

Oracle moves to Redwood Shores and appears for the first time on the Standard & Poor's 500 index

1989

1992: Version 7

Now supports referential integrity, stored procedures and triggers

1991

1992

1993

1994 Digital Equipment

1994

1995 IRI Software

1995

1997 Treasury Services

1997

1997: Version 8i

Supports object-oriented development and multimedia applications

1998

1999 Thinking Machines, Tinoway, Geodan EDT

1999

2000 Oracle announces E-Business Suite 11i

2000

2001: Version 9i

Introduces Oracle Real Application Cluster (RAC)

2001

2002 Steltor, NetForce, Indicast, TopLink

2002

PeopleSoft

2003 Reliaty, FileFish

2003

2003: Version 10g Supports regular expressions, Data Pump and Oracle Warehouse Builder (OWB)

2004

2004 Collaxa, Phaos, SiteWorks Solutions

2004

2005 TimesTen, PeopleSoft, Context Media, G-Log, i-Flex, Innobase, Oblix, OctetString, ProfitLogic, Retek, TempoSoft, Thor Technologies, TripleHop

2005

2005 Oracle Fusion announced

2005

2007 Hyperion, Agile, Tangosol, AppForge, Lodestar, Bharosa, Bridgestream, Interlace Systems, LogicalApps, Moniforce, etc.

2007

2007: Version 11g

Includes new features in the areas of performance, scalability, high availability, disaster recovery, and more

2008

2009 Sun Microsystems, GoldenGate, Skywire, AdminServer, Relsys, mValent, Conforma Software, HyperRoll, etc.

2009

2008 Bea Systems, Primavera, Captovation, Empirix Product Suite, AdminServer, Haley, Advanced Visual Technology, ClearApp, etc.

2008

2009 Oracle announces Fusion Middleware 11g

2009



2010 AmberPoint, Convergin, Passlogix, Secerno, etc.

2010

2011 Endeca, Ndevr, Pillar Data Systems, etc.

2011

2012 Xsigo Systems, Skire, IEloqua, Virtrue, etc.

2012

2013 Nirvanix, Blitzler Mobile, Nimbula, Tekelec, Acme Packet, BigMachines

2013

2013: Version 12c

Comes with 500 new features, above all Pluggable Databases

2013

2014 Coretek, Front Porch Digital, GreenBytes, Micros Systems, BlueKai, Datalogix, LiveLook, TOA Technologies

2014

2015 CloudMonkey, StackEngine, Maxymiser

2015

2016 NetSuite, Dyn, Palerra, Ravello Systems, Textura, Opower, AddThis, Crosswise, LogFire

2016

2016 Oracle announces their Cloud-First Strategy

2016

2017 Apiary

2017



The Oracle Founders



Oracle Headquarters in Redwood Shores



Larry Ellison

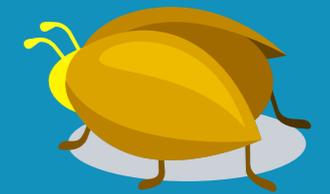




Debugging APEX – A Practical Approach – Part two

Peter Raganitsch, FOEX GmbH

In ORAWORLD #3, we have already learned about the Oracle APEX architecture and the APEX Debug mode. Now it's time to get to the real stuff: Read on to learn more on how to read the debug output and how to add your own items to APEX_DEBUG. Once you know the tools, you can start debugging.



Ask yourself: what is it that I want to find out? If you want to understand exactly what APEX does, then it is advisable to read the debug from top to bottom, in the events' chronological order. If you are interested in finding performance hotspots, then it is best to read the bar graph and look for fluctuations. You can also use the interactive report to sort and filter items with the highest "Execution Time".

Another important aspect is picking the right debug level. Using the Default Level YES (Level 4) may not highlight some of the important items (see [ORAWORLD #3](#)). Equally, choosing Level 9 is not effective either, as you'll get flooded by the amount of entries. With a bit of practice, you can use the right settings for each situation, finding a balance between the number of log entries and the content information. Since the debug output is presented as an interactive report, it can be saved as a private report where other columns could be used to sort items depending on the enquiry type.

For those of you who want more flexibility, you can perform queries straight from the view `APEX_DEBUG_MESSAGES` and place your own reports in it. This view is also the only way to access debug information on runtime only production systems.

For How Long Is the Debug Information Available?

Like all other APEX log tables, the debug information is periodically deleted. The purge interval is set to 14 days by default, but can be increased to a maximum of 180 days via the APEX administration instance.

Internally, two tables are used for storing information. First, Table 1 is written, then 14 days later the information is added to Table 2. After another 14 days, Table 1 is cleared and rewritten. This means that data will be available for a maximum of $\text{purge-interval} * 2 - 1$. Nevertheless, the view `APEX_DEBUG_MESSAGES` shows data from both tables (join union all).

APEX_DEBUG – Add Your Own Items

With all the debug entries of APEX, there might be a lot for you to figure out. However, as soon as you start using your own business logic, it will enable logging in debug.

When you read through the debug output, you can find out what APEX itself is doing. As soon as you add your own business logic to your application, you might want to see that output, too. For this purpose, APEX offers the `APEX_DEBUG` API, which enables logging at different levels using various log functions, such as: `ERROR`, `WARN`, `INFO`, `TRACE`, `ENTER` etc. Now, this can be written not just in APEX processes, but also in any database packages you might call. Here's an example:

```
BEGIN
  APEX_DEBUG.ENTER(,My Procedure');

  MY_PACKAGE.FUNCTION1;

  APEX_DEBUG.TRACE(,Returned from Function1');

  MY_PACKAGE.FUNCTION2;

  APEX_DEBUG.TRACE(,Returned from Function2');

  IF :P1_MY_ITEM = ,ERROR'
  THEN
    APEX_DEBUG.ERROR(,Something went wrong');
  END IF;

  APEX_DEBUG.TRACE(,Done, leaving My Procedure');

END;
```



The screenshot shows the browser console with the following messages:

```

Dynamic Action Fired: Set Focus on Search Field (NATIVE_SET_FOCUS)
Object {triggeringElement: document, affectedElements: jQuery.fn.init[1], action: Object, browserEvent: "load", data: undefined...}
XHR finished loading: GET "http://peter.tryfoexnow.com/i/apex/ui/theme_roller/utr-base.js".
XHR finished loading: POST "http://peter.tryfoexnow.com/ords/www_flow.show".
XHR finished loading: POST "http://peter.tryfoexnow.com/ords/www_flow.show".
XHR finished loading: POST "http://peter.tryfoexnow.com/ords/www_flow.show".
  
```

Red annotations in the image include a box around the dynamic action message labeled "Dynamic Action" and an arrow pointing to the XHR messages labeled "AJAX Calls".

Figure 5: Debugging messages in the browser console

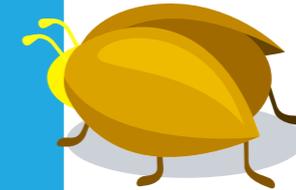


Figure 6: The results of an AJAX call



The screenshot shows the Network tab in the browser developer tools. The selected request is 'www_flow.show'. The response is a JSON object:

```

{
  "layout": "2",
  "chart_size": "B",
  "chart_type": "BOX",
  "colored": "N",
  "data": [
    {
      "label": "Monthly Sales",
      "value": "$870"
    },
    {
      "label": "Monthly Orders",
      "value": "1"
    }
  ]
}
  
```

It is important to know that when using `APEX_DEBUG.ERROR` the entries will be logged, regardless of whether debugging is enabled or not. This is very convenient because you can perform a specific search for error items by selecting `APEX_DEBUG_MESSAGES`. Therefore, it enables you to set up an automated quality assurance measure.

If an existing package which writes notifications in `DBMS_OUTPUT` is called, then `APEX_DEBUG.LOG_DBMS_OUTPUT` can be used to redirect that to the APEX debug log. This is a very useful feature in regards to the use of legacy packages. With `ENABLE`, respectively `DISABLE`, the debug mode can also be controlled programmatically, for example offering your users a button to activate debugging.

Is Debugging Limited to the Database?

The previously considered uses of the debug functionality are limited to the processing of APEX pages and AJAX calls within the database. For modern applications, it passes through Dynamic Actions, but also through the browser a lot.

Since the browser does not have a continuous connection to the database, it is unable to write in the log table. Also an AJAX call is always ruled out, as it would affect performance and usability. Instead, APEX does this through the browser's console and its logging capabilities.

Logging Messages in the Browser Console

Today, all modern browsers offer so-called developer tools. Part of these developer tools is a console where Javascript messages are logged, and warnings and other errors are displayed. If you activate the APEX Debug Mode, the Javascript logging gets enabled as well, and you can see APEX debug messages in the console. There you can also see all the Dynamic Actions, so you get a good overview over the sequence of events in the browser.



Peter Raganitsch
FOEX GmbH

In Figure 5 (see previous page), you can again see the first page of the Sample Database Application, where a Dynamic Action was executed at Page Load. The plugin's three AJAX calls are clearly visible there. By clicking on one of these AJAX calls, you can view the details and have the results displayed, so that you can control the data received.

Similar to PL/SQL, there is a Javascript API to log debug messages, it is called `apex.debug`.

Debugging Procedure

Now that we know the tools, we can start debugging. As a general rule, it is advisable to open the browser console and enable the debug mode. Depending on the error or problem that needs to be investigated, you can then focus on the console or on the log entries from the database. However, both should be considered for a holistic overview.

A sample application can be found at <https://apex.oracle.com/pls/apex/f?p=25355>. It contains a few typical errors which can be easily detected with the help of the debug functionality.





BGOUG: “Like a Group of Friends”^{Sebastian Höing}

The Bulgarian Oracle User Group (BGOUG) took its time until its final foundation in 2001. First ideas of an Oracle community in Bulgaria were raised in 1995 by enthusiasts in the banking sector. Today, the BGOUG is more like a group of friends, sharing the idea of a professional network.

On a warm and sunny day in the year 2001, a group of 20 Oracle specialists gathered to sign the documents and declare the official start of the BGOUG – the accomplishment of what had started six years earlier, with only the vague idea of a community and first attempts to find people interested in Oracle topics. People who participated in this process were working with Oracle products mainly in the banking area. Today, the community organizes two conferences each year.

For Milena Gerova, founder and president of the BGOUG, the community is “more like a group of friends gathering to share ideas and experiences, to talk in a very relaxed and informal atmosphere.” The community’s spirit as well as the positive atmosphere are two of the most important things for Milena. You can experience this spirit especially during their conferences. After all the brain work during the conference, they also have great ways to unwind and relax. “This is what we are famous for: the sessions in the evenings with a lot of Bulgarian national dances”, says Milena.

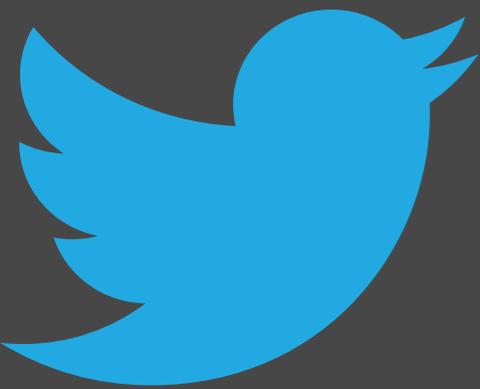
Strong Community

There is another interesting fact about the community: In relation to the country’s size and based on the number of conference attendees, the BGOUG is one of the biggest Oracle user groups in Europe. Their conferences are attended by about 350 people each. “We are proud that our community attracts new and young people. With 30 percent of female members, we also have one of the biggest ratios of women working in the IT area”, Milena describes the current situation in Bulgaria.

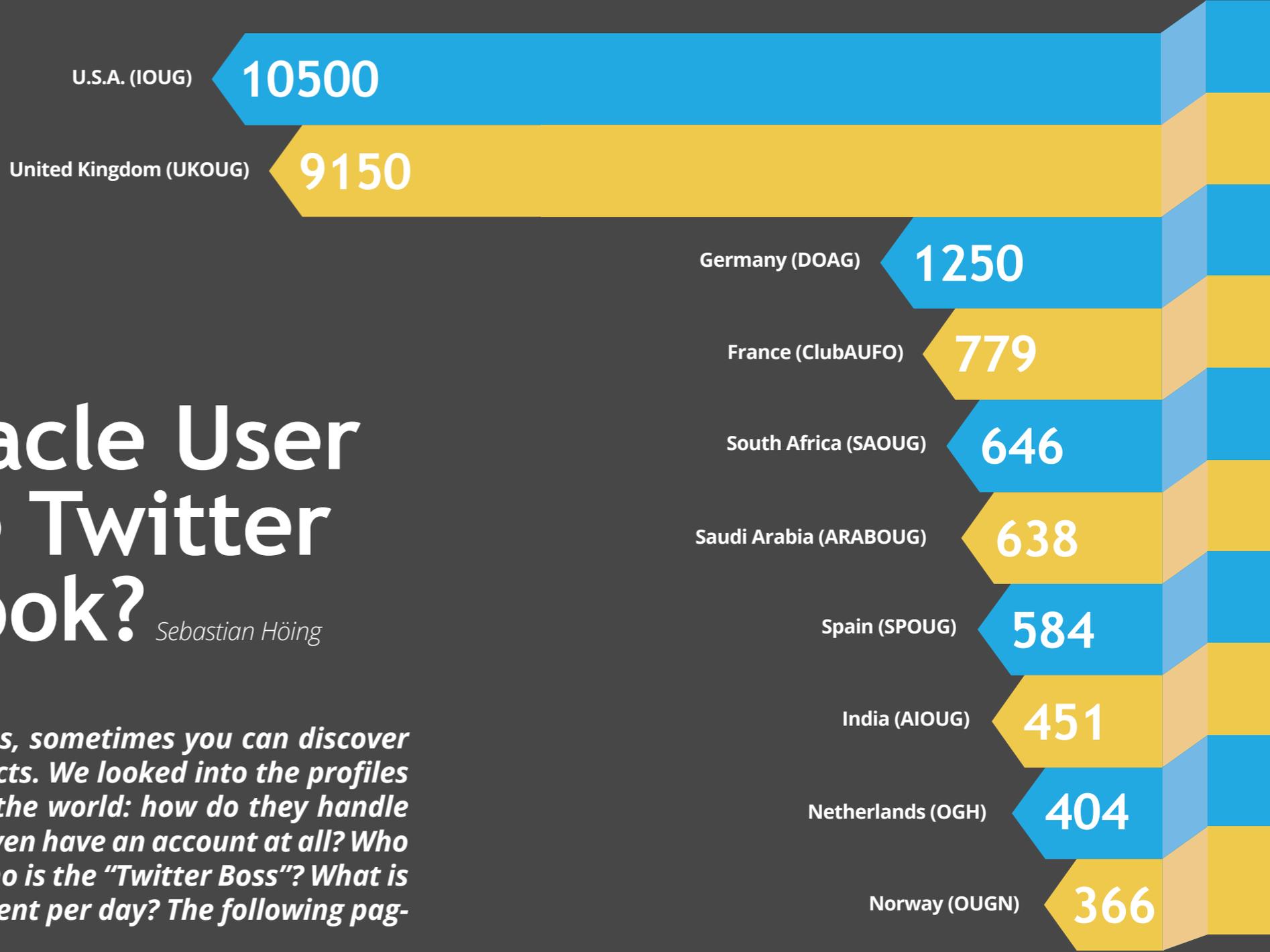
To keep the community’s spirit up, to spread it in the region and to make companies believe in their vision and activities are BGOUG’s most important goals for the future.

Twitter: @BGOUG
www.bgoug.org





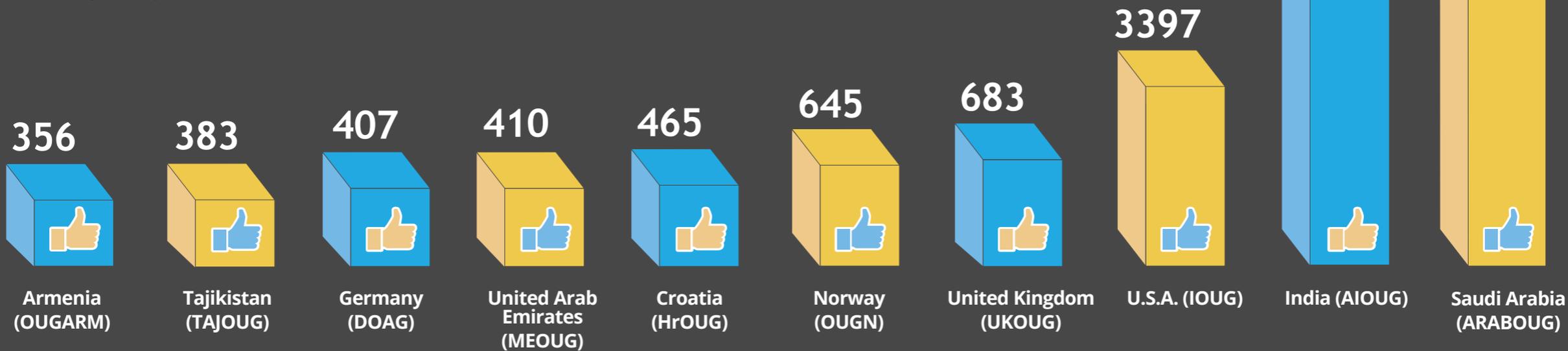
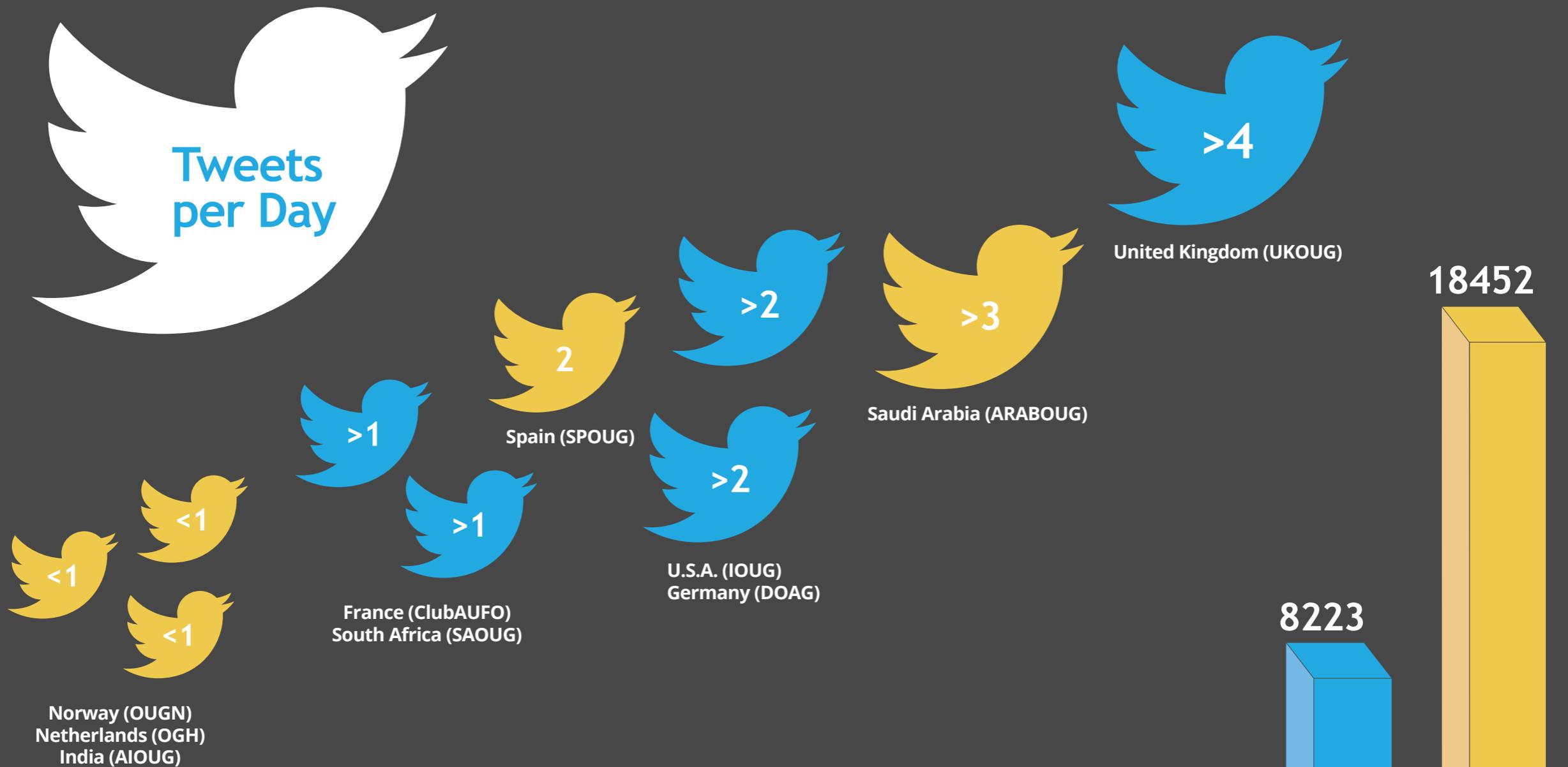
Number of Twitter Follower



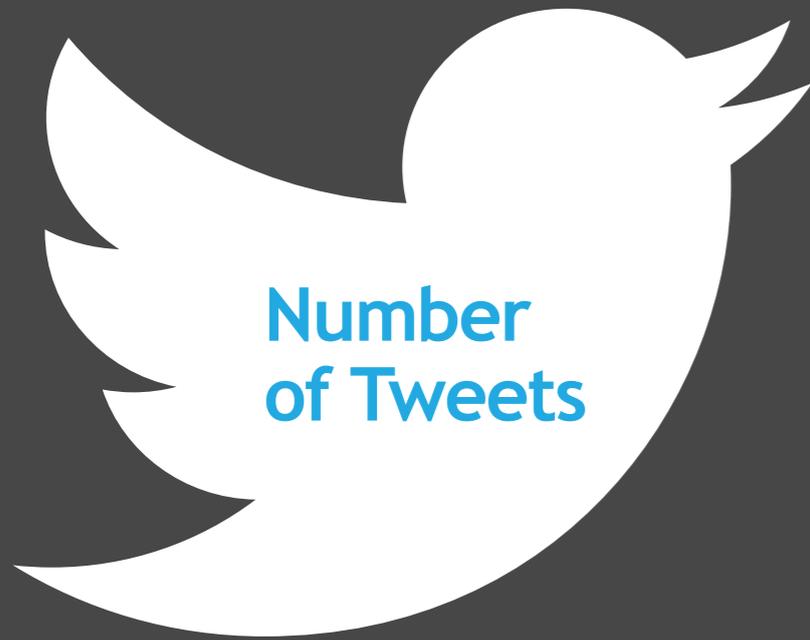
How Do Oracle User Groups Use Twitter and Facebook?

Sebastian Höing

By analyzing social media statistics, sometimes you can discover interesting and often surprising facts. We looked into the profiles of 39 Oracle User Groups all over the world: how do they handle Twitter and Facebook, or do they even have an account at all? Who has the most followers or likes? Who is the "Twitter Boss"? What is the average number of messages sent per day? The following pages will give you an overview.



Facebook Likes



Number of Tweets



8582

Saudi Arabia (ARABOUG)

4831

Germany (DOAG)

11000

United Kingdom (UKOUG)

6027

U.S.A. (IOUG)

3330

South Africa (SAOUG)

3037

Spain (SPOUG)

2113

France (ClubAUFO)



881

Latvia (LVOUG)

418

Netherlands (OBUG)

407

India (AIOUG)

333

Norway (OUGN)

"Gather our members around a common value"

"Sharing content and events"

What do you value the most when using social media?

"Connecting with our members, partners and other user groups"

"Posting news and announcements"





Heli Helskyaho Ambassador's Corner

Dear User Group Leaders,
I hope you and your user groups are doing well!

The OTN EMEA tour

Local Oracle user groups from the EMEA region, that is the EOUC, are cooperating for the fourth year in a row to organize a tour of the region. The locations have been selected (May 17-18: Helsinki, May 20: Baku, May 23: Ljubljana, May 25: Madrid, May 30-31: Dusseldorf). Now the selection of speakers is on. I am very sure this tour will again be a great success. Thank you Björn Rost for coordinating! You can read more about the tour on the tour webpage: <http://otnemea.com>.

EOUC Leaders' E-mail List

The e-mail list of EOUC Leaders is building up slowly. If you have not signed up with the e-mail address of your user group please do so ASAP. It will be fun to co-operate even more!

Best regards,
Heli

Your Ambassadors:



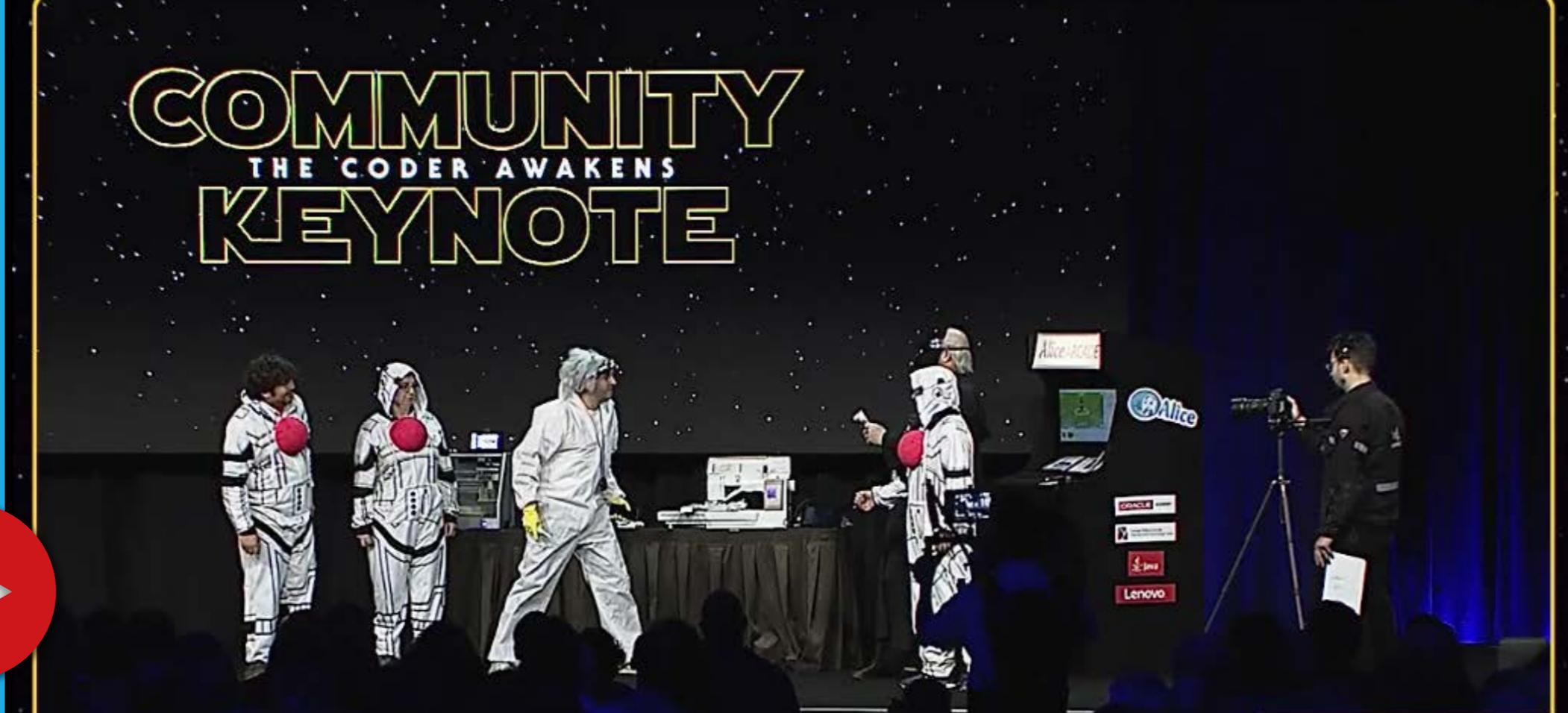
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COMMUNITY THE CODER AWAKENS KEYNOTE



JavaOne Community Keynote: Darth Coder and the Duke Troopers

Marina Fischer

The preparations for JavaOne and Oracle OpenWorld 2017 are already in full swing, and the opening of the Call for Papers is just around the corner. To get into the spirit, watch the Community Keynote from last year's JavaOne featuring Darth Coder, the Duke Troopers, and the Java Community who is there to save the Java 9 release from the evil clutches of the Imperial Army.

The actors all came from the Java community. Don't miss the finale when Darth Coder (aka James Gosling) confirms with a wink to be Duke's father.

JavaOne and Oracle OpenWorld will take place from October 1-5, 2017.

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Karen Smith, UKOUG

Apps16, JDE16 & Tech16:

The Best Things Come in Three's!

In December, the ICC Birmingham opened its doors to UK Oracle User Group's co-located conferences Apps16, JDE16 & Tech16. With 374 expert speakers and an exhibition hall filled with leading vendors, for the 1,600+ attendees these conferences provided information on roadmaps, latest products and valuable takeaways that could be implemented on systems back in the office.



Delegates looking to keep-up to-date with Oracle information had their needs met by a plethora of Oracle keynotes on the agenda. We were delighted to welcome Neil Sholay, Vice President of Digital Business Oracle EMEA, as our main conference keynote, who shared his insights into data driven business. The other community keynotes were presented by: Cliff Godwin, Lyle Ekdhal, Connor McDonald, Michael Hichwa, Frances Zhao-Perez and Simone Geib, amongst others.

The more than 450 agenda presentations were carefully selected by our volunteer conference committee and covered topics surrounding: JD Edwards, PeopleSoft, Cloud, Digital CX, Oracle E-Business Suite, Business Analytics, Middleware, Systems, Development, DevOps and Database. We didn't just focus

on products however, the "Women in IT" breakfast session saw both men and women discussing the current industry trends and how their own organisations addressed them.

Exclusive Opportunity

As well as expert presentations, panel sessions, hands-on UX and Cloud labs, delegates from the JD Edwards conference were given the exclusive opportunity to present their ideas, surrounding enhancements for the next release, to Oracle's JD Edwards Executive Team. The session was filled with inspirational ideas and sparked much conversation within the audience – we look forward to seeing the results.

It's about Who You Know

Of course it's not all work and no play; interacting with other attendees is one of the key benefits of attending face to face events. We facilitated that downtime in the form of exhibition drinks, dedicated community networking and our main social event "Tuesday Bluesday", where attendees were treated to live music, a casino and some fun virtual reality games.

Thanks to You

The UKOUG conferences are a real testament of the community coming together – with many new and returning faces, a fantastic line-up of diverse speakers and the support of leading Oracle suppliers and Oracle themselves. Thanks to all who contributed to these events.

UKOUG Conferences 2017 – Get involved

We'll be opening our Call for Papers in April. To ensure you're kept up to date on this, the agenda launch and registration information, or if you're interested in reaching a UK market with your business, register your interest at <http://www.ukoug.org/conferences>. We hope to see you December 4-6, 2017 at ICC Birmingham, UK.



Call for Papers

POUG Conference

January 16 - April 14, 2017
Krakow
<https://www.papercall.io/poug>

JavaCro'17

February 1 - March 10, 2017
Rovinj, Croatia
<http://2017.javacro.hr/eng/Call-for-Papers>

HrOUG 2017

April 1 - May 31, 2017
Rovinj, Croatia
<http://2017.hroug.hr/eng/Call-for-Papers>

BGOUG Spring'2017

April, 20th, 2017
Hotel RIU Pravets Resort
<http://www.bgoug.org/en/events/details/99.html>





Events

Vårseminaret/Spring Seminar

March 9 -11, 2017
 Color Line, Color Fantasy (Oslo-Kiel)
styret@ougn.no

OUG Ireland

March 23-24, 2017
 Dublin, Ireland
<http://www.ukoug.org/2017-events/oug-ireland-2017/agenda/>

JAVALAND

March 28-30, 2017
 Brühl, Phantasialand, Germany
<https://www.javaland.eu/en/home/>

APEX World 2017

March 30-31, 2017
 Rotterdam, The Netherlands
<https://www.ogh.nl/page.aspx?event=346>

Collaborate17

April 2-6, 2017
 Mandalay Bay Resort & Casino Las Vegas, NV
<http://collaborate.ioug.org/>

APPS CONNECTED17

April 19, 2017
 San Marco Village, 2627 Schelle, Belgium
 Jolanda de Jong, obug@theoraclecommunity.eu,
 +31 651674687

APEX Connect

May 9-11, 2017
 Berlin, Germany
<http://apex.doag.org/en/home/>

JavaCro'17

May 10-12, 2017
 Rovinj, Croatia
<http://2017.javacro.hr>

RIGA DEV DAYS 2017

May 15-17, 2017
 Riga, Latvia
<https://www.oracle.com/search/events?Ntt=riga&Dy=1&Nty=1&Ntk=S4>

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Events

Harmony17

May 17-18, 2017
Helsinki, Finland
www.ougf.fi

OTN Tour

May 17-18, 2017, Helsinki | May 20, 2017, Baku
May 23, 2017, Ljubljana | May 25, 2017, Madrid
May 30-31, 2017, Düsseldorf
<http://otnemea.com/>

DOAG 2017 Datenbank

May 30-31, 2017
Düsseldorf, Germany
<http://datenbank.doag.org/>

BGOUG Spring'2017

June 2-4, 2017
hotel RIU Pravets Resort, Bulgaria
<http://www.bgoug.org/en/events/details/99.html>

AOUG User Conference 2017

June 20th, 2017
Austria Trend Hotel Savoyen Vienna, Austria
<http://www.aoug.at/Event/441>

DOAG 2017 Exaday

June 20, 2017
Frankfurt, Germany
<http://exaday.doag.org/>

Kscope17 Conference

June 25-29, 2017
San Antonio, Texas, USA
<http://kscope17.com/>

POUG Conference

October 7-8, 2017
Krakow, Poland
<https://www.poug.org/en>

HrOUG 2017

October 17-20, 2017
Rovinj, Croatia
<http://2017.hroug.hr>



ORACLE
CODE



Live for
the Code



Join microsite



Oracle Code - A 20 City Roadshow for Developers by Developers

Klaus Bergius, Director Developer Marketing Oracle EMEA

This one day free event is designed to create awareness and momentum around the full breadth of Oracle's developer strategy and products around cloud. Starting April 2017, the roadshow will tour twenty cities all around the world, from North America to Europe and the Middle East to Asia and Latin America.

The program will include keynotes, technical sessions, hands-on labs and an exhibition area.

It is made for all kind of developers: Enterprise, Mobile, DevOps, Client, Server-side, Java, Cloud, Database, Scripting – especially if they are new to Oracle.

More information about the Call for Papers, agenda, hands-on labs and more can be found on the [microsite](#).

ORAWORLD is a publication of the EOUC — EMEA ORACLE USERGROUP COMMUNITY

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