

My DX Summit

By Radio Arcala team, Tallinn Jan 2014

Veijo Kontas, OH6KN



DX Summit History

- * The original DX summit was created by OH2AQ team in 1998 and it fast became the world leading DX spot channel changing the DX hunting for good
 - * Jukka Salomaa OH2BUA and Antti Kantola OH5TB were awarded Yasme excellence award for the OH2AQ summit
- * In 2008 Radio Arcala teamed up with OH2AQ to renew the summit using latest web and server technologies. The new summit debuted May 23, 2008.
 - * Development was done by Admino Ltd and supported by Yasme foundation
 - * Lot of user logic remained similar to the initial DX Summit to maintain continuity in the user space
 - * Couple of feature updates were done over the years
- * In 2013 desires for better User Experience sparked ideas for next gen DX summit with better personalization and utilization of more available tools and information channels
 - * Especially Voacap OH6BG/VE3NEA and ClubLog by Mike/G7VJR



Summit Statistics

- * Life time Aug 2008-June 2013
 - * Total 5M users ?, 35M visits, over 1Bn pages, average stay 52 minutes, new visitors 16%, returning visitors 84%
 - * Geographics: 1. W 9.8M, 2. DL 2.6M, 3. I 1.9M, 4. UA 1.7M, 5. JA 1.5M,,,10. OH 800k

	2008 2H	2009	2010	2011	2012	2013 1H
Total	2.6M	6.3M	7.1M	8.2M	7.9M	3.9M
# 1	W 0.77M	W 1.8M	W 1.9M	W 2.6M	W 2.3M	W 1.1M
# 2	DL 0.19M	DL 0.5M	DL 0.53M	DL 0.61M	DL 0.59M	DL 0.3M
# 3	G 0.15M	G 0.31M	I 0.39M	I 0.46M	I 0.44M	I 0.23M



My DX Summit v1

Key Features

- * New user interface based on one page approach
 - * All filters and key functions on one page
 - * You can select filters very flexibly
 - * Bands or band groups, Modes, Country, Zone (CQ/ITU), Call, Spotter
 - * There can be multiple selections on, eg. 5W0+3.5MHz+7MHz+CW
 - * Also a selection can be negated
- * You can bookmark various selections as own pages or run in different browser windows/tabs in parallel
- * QSO propagation prediction through VOACAP (OH6BG)
- * Band Activity data from ClubLog
- * API to use DXSummit data externally in log programs and web pages



Main page

Search criteria will work also for spotter

Filters

The screenshot shows the main page of the OH8X website. At the top, there is a navigation bar with links for Spots, News, Spot history, Daily DX, Forum, Donate, Radio Arcala, and Tutorials. Below this is a filter bar with active filters for 'DX:FT5ZM', '28MHz', and '24MHz'. A search bar is also present with a magnifying glass icon. The main content area is divided into several sections:

- Announcements:** A list of recent announcements with columns for call sign, message, time, and date.
- Share spot:** A form to share a spot, including fields for 'My callsign', 'DX', 'kHz', and 'Info', along with a 'Share' button.
- Spotter List:** A table listing active spotters with columns for SPOTTER, FREQUENCY, DX, TIME, INFO, and COUNTRY.
- Space weather now:** A section with a 'Space weather now' header and a 'details' link, containing a table of current space weather parameters and an outlook table.

Annotations include a red arrow pointing to the filter bar labeled 'Filters' and another red arrow pointing to the search bar labeled 'Search criteria will work also for spotter'.



Set Filters

DX:FT5ZM Set filters X

Announcements

SPOTTER FREQUENC

RA9LY-e	2102
DG9KON-e	1813
RU3GB-e	1813
HBOCC	2102
YL2GP-e	1813
UR7HN-e	2102
JA3BCC-e	1813
PA3GND	1813
EA5FV	2102
DL5RDI	1813
JA6BZA-e	1807
VK6APZ-e	1813
IZ7GIT	1813
LZ1VVV-e	1813
IZ3GOO-e	1813
IZ3QHB-e	1813
SVIENX	1813
IT9TQH-e	2102
LU3MAM	2102

Include

LF

LF 137kHz
472kHz

HF

HF 1.8MHz
3.5MHz 5MHz 7MHz
10MHz 14MHz 18MHz
21MHz 24MHz 28MHz
WARC

VUSHF

VHF UHF SHF
50MHz 70MHz
144MHz 220MHz
430MHz 1.2GHz
2.3GHz 3.4GHz
5.6GHz 10GHz
24GHz 47GHz

MODE

Phone CW Digi

Set filters Clear all

Exclude: 0

LF

LF 137kHz
472kHz

HF

HF 1.8MHz
3.5MHz 5MHz 7MHz
10MHz 14MHz 18MHz
21MHz 24MHz 28MHz
WARC

VUSHF

VHF UHF SHF
50MHz 70MHz
144MHz 220MHz
430MHz 1.2GHz
2.3GHz 3.4GHz
5.6GHz 10GHz
24GHz 47GHz

MODE

Phone CW Digi

details

X-Ray
C1.45



Voacap propagation

Call links

The screenshot displays the Voacap website interface. At the top, there's a header with "BEAUTY AND AUSTERITY OF THE AURORA OVAL" and "MY DX SUMMIT". Below this, there are navigation tabs for "Spots" and "News". A central feature is a circular propagation chart for the path "KP35CE to FT5ZM 12270 km, 139°". The chart shows signal strength percentages across various frequencies and times. A red arrow points to the text "Club Log, QRZ.COM" above the chart. Another red arrow points to the center of the chart, which displays "12UT 17M 95%". A third red arrow points to a search bar containing "KP35CE". Below the chart is a table of logs with columns for call sign, frequency, time, and message. A legend at the bottom of the chart shows color-coded percentages from 0% to 100%.

Club Log, QRZ.COM

12UT
17M
95%

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

SPOTTER	FREQUENCY	TIME	MESSAGE	STATUS
RA9LY-e	21023			
DG9KON-e	18130			
RU3GB-e	18130			
HB0CC	21023			
YL2GP-e	18130			
UR7HN-e	21023			
JA3BC-e	18130.0	FT5ZM	08:00 "up8.2 tks"	AMSTERDAM & ST PAUL ISLANDS
PA3GND	18130.0	FT5ZM	07:56 "up trnx qso"	AMSTERDAM & ST PAUL ISLANDS
EA5FV	21023.0	FT5ZM	07:50 "QSX 21029.86"	AMSTERDAM & ST PAUL ISLANDS
DL5RDI	18130.0	FT5ZM	07:49 "up just readable but wkd"	AMSTERDAM & ST PAUL ISLANDS
JA6BZA-e	18079.0	FT5ZM	07:39 "59 up 1.06"	AMSTERDAM & ST PAUL ISLANDS
VK6APZ-e	18130.0	FT5ZM	07:38 "band just died"	AMSTERDAM & ST PAUL ISLANDS

Data under cursor

Location can be set using maps



Search and Export

BEAUTY AND AUSTERITY OF THE AURORA OVAL

MY DX SUMMIT

OH8X

Spots News Spot history Daily DX Forum Donate Radio Arcala Tutorials

Search from spot history

DX: FT5ZM 28MHz 24MHz

on Select filters -buttons

Include

LF

LF 137kHz

472kHz

HF

HF 1.8MHz

3.5MHz 5MHz 7MHz

10MHz 14MHz 18MHz

21MHz 24MHz 28MHz

WARC

Exclude:

LF

LF 137kHz

472kHz

HF

HF 1.8MHz

3.5MHz 5MHz 7MHz

10MHz 14MHz 18MHz

21MHz 24MHz 28MHz

WARC

Hotels
www.example.com
Special rates until the end of the month. No booking fees, book your room now!

Dublin Hotels
www.example.com
Browse hundreds of hotels in Dublin, sort by price, location and user reviews.

Hotels in Ireland
www.example.com
Compare prices of 1000s of hotels all over Ireland!

Hotels
www.example.com
Special rates until the end of the month. No booking fees, book your room now!

Dublin Hotels
www.example.com
Browse hundreds of hotels in Dublin, sort by price, location and user reviews.

Hotels in Ireland
www.example.com
Compare prices of 1000s of hotels all over Ireland!

on Export spots

Export count

100

500

1000

2500

5000

10000

25000

50000

100000

Export type

CSV

JSON

XML

Spots will be exported using current filters and starting from topmost visible spot.

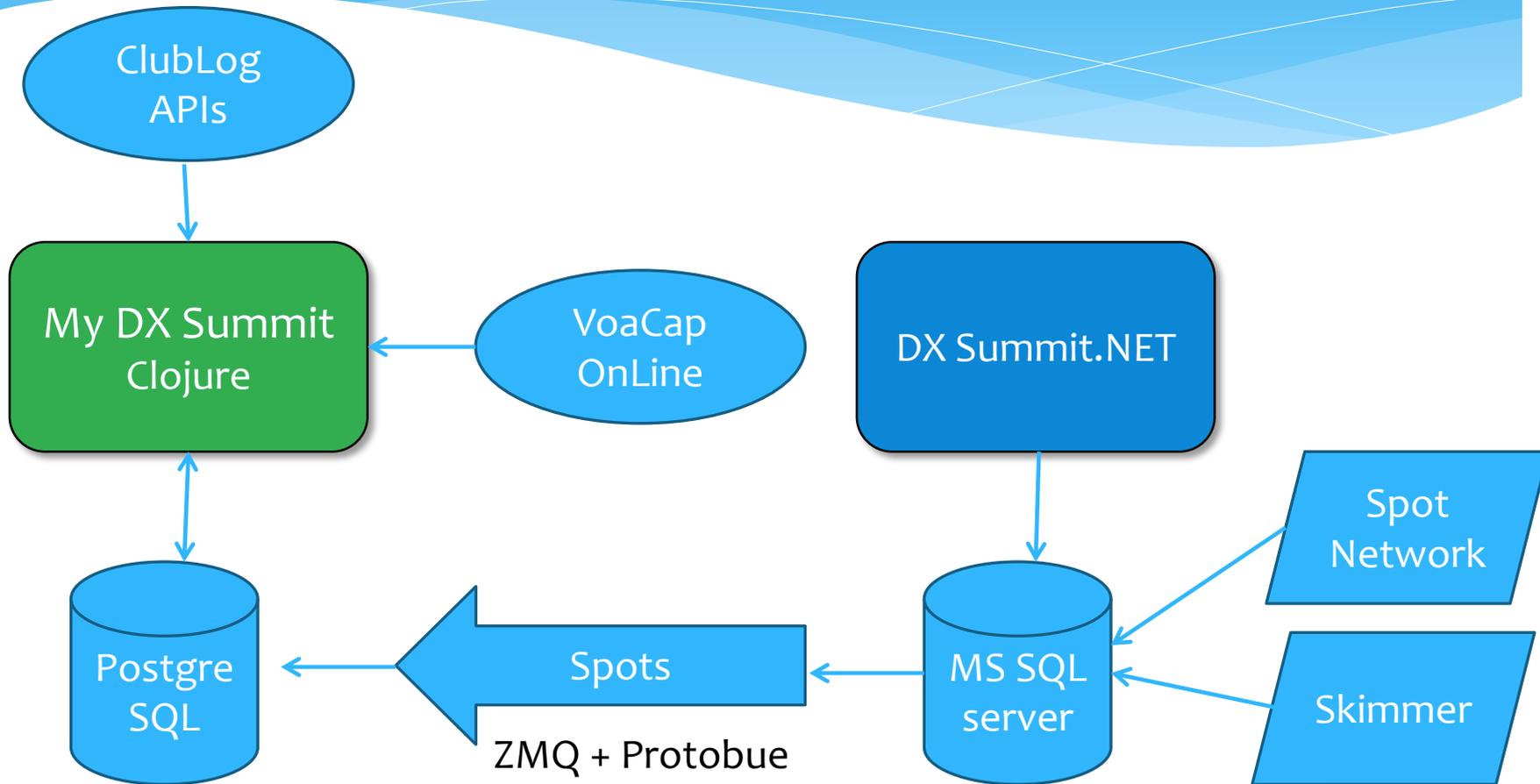
Export

SPOTTER FREQUENCY DX TIME INFO COUNTRY

RA9LY-e 21023.0 FT5ZM 08:36 "QSX 21.026.83" AMSTERDAM & ST PAUL ISLANDS



Key Technologies



Final Testing and Launch

- * My DX Summit v1 is at its final stages of implementation
 - * Main topic is to test with many browsers
- * Next step is to do small scale testing and later increase the friendly user community
- * Feedback page will be added to enable people to give ideas for development, report bugs, etc.
- * Launch will take place in 1-2 months



Future Ideas

- * Closer integration with ClubLog
 - * ClubLog statistics utilized more
 - * Use ClubLog as your log, which enables needed listings (country/band/mode)
- * Further develop data exchange APIs to publish and use real time spot data in external applications
- * Mobile version



Thank You

