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# PostgreSQL at cbc.ca

Blake Crosby  
PgCon 2011

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# Who is CBC

- Canada's Public Broadcaster
- Radio, Television, Online
- Top website in Canada
  - 800 Million hits per day (~9,000 hits/s)



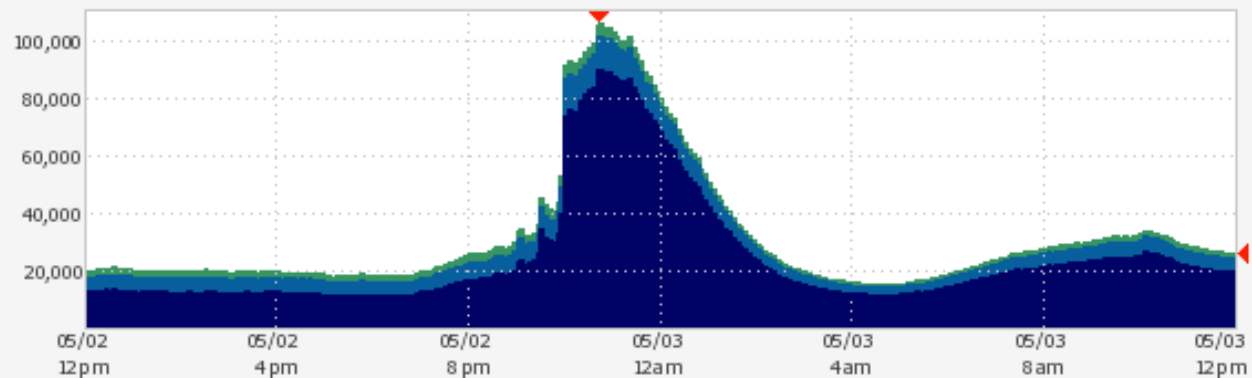
# Who is CBC

## Site Content Delivered, in Requests per Second

Total Requests: **2.7 Billion**

▼ Peak: **105,499.5 requests/sec** at 10:45PM

◄ Latest: **25,986.4 requests/sec** at 11:55AM



Eastern Daylight Time

	Number of Requests	% of Requests
■ Edge Requests	2.1 Billion	76.3%
■ Midgress Requests	457.5 Million	16.8%
■ Origin Requests	187.8 Million	6.9%

Origin Requests Offload 91% of requests offloaded to Akamai

# Who is CBC

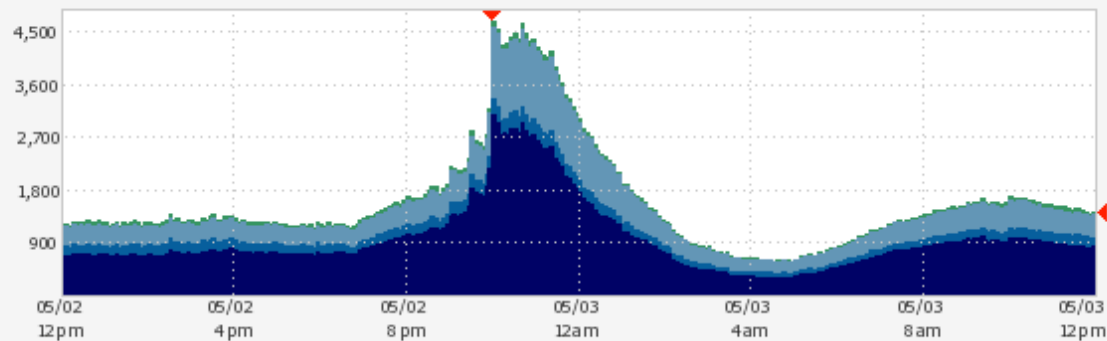
## Site Content Delivered, in Mbits per Second

Total bandwidth includes all request traffic plus edge, midgress, and origin response traffic.

Total Volume: **17.1 TB**

▼ Peak: **4,667.46 MBits/sec** at 10:00PM

◄ Latest: **1,423.24 MBits/sec** at 11:55AM



Eastern Daylight Time

	Total Volume	% Volume
■ Edge Responses	10.1 TB	59.2%
■ Midgress Responses	1.7 TB	9.7%
■ Requests	4.8 TB	28.1%
■ Origin Responses	519.9 GB	3%

Origin Bandwidth Offload 94.8% of bytes offloaded to Akamai

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# Databases Used

- Oracle
  - Corporate Applications (SAP, Remedy, etc..)
  
- PostgreSQL 8.4 (8GB RAM, 4 Cores @ 2.6Ghz)
  - Online/Front End Applications
  - Blogging Software: MT4

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# Application Platforms

- Java/Tomcat
    - Hibernate
  - PHP
    - Code Igniter
  - Perl
    - DBI
-

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# Contests

- ▣ Various contests from content areas:
    - ▣ Sports
    - ▣ Factual Entertainment
    - ▣ Radio
  - ▣ > 2,000,000 Tuples
    - ▣ All INSERTS
-

# Steven and Chris

## STEVEN AND CHRIS


WEEKDAYS AT 2PM  
WATCH THE LATEST EPISODE ▶



- MAIN
- DECOR
- FOOD
- HEALTH
- STYLE
- RELATIONSHIPS
- WEB EXCLUSIVES
- CONTESTS
- VIDEO

### Contests


< previous | 1 | 2 | 3 | next >



#### Wedding Giveaway Contest

You could win all of the items that the brides-to-be on the wedding show went home with! Enter to win...


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#### Comment to Win: Shiseido Prize

Leave a comment to win this great prize pack from Shiseido, featuring all of the products seen below! Tell us:...

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## CONTESTS

STEVEN



# Hockeyville



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*Hockeyville*

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## Regional Ambassadors

### ATLANTIC REGION

Your player  
representative is:

**DAN CLEARY**

Detroit Red Wings®



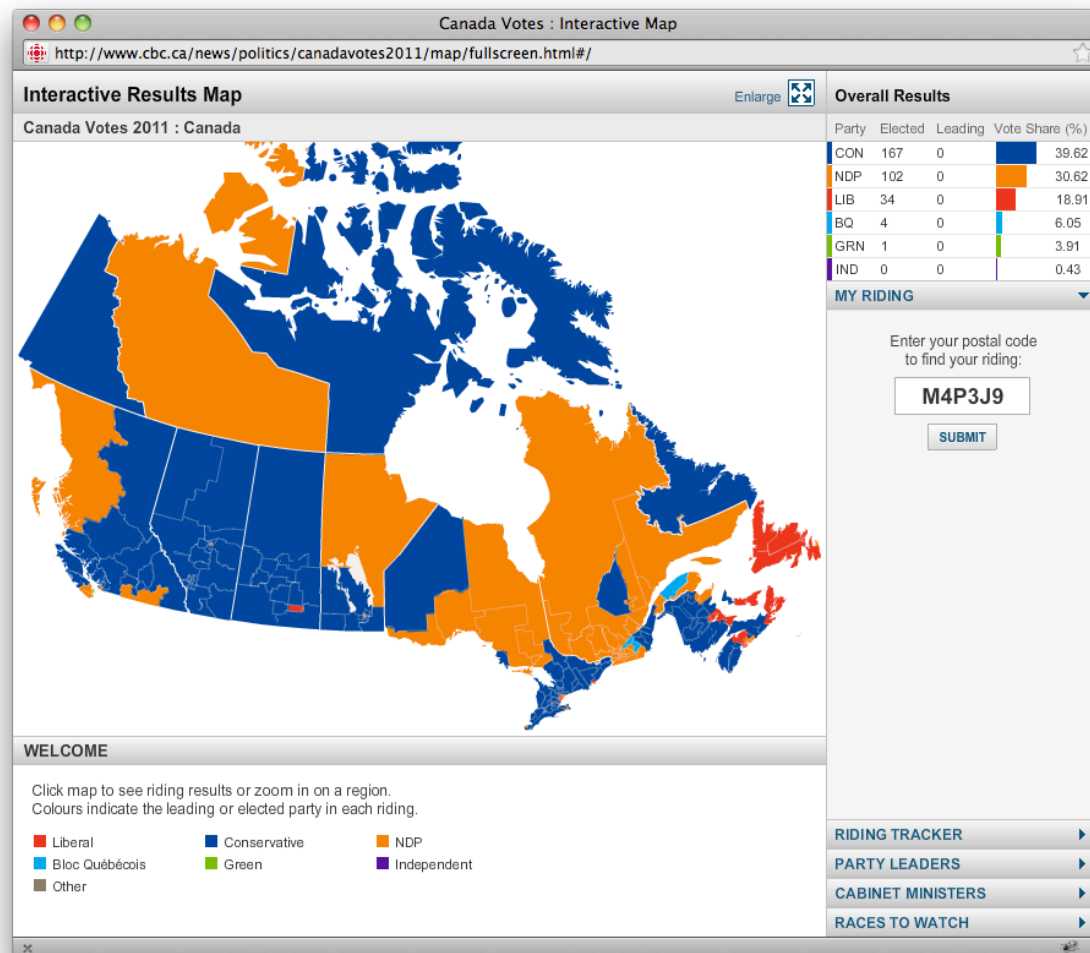
**VIEW**  
VIDEO

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# Federal Elections

- > 860,000 tuples
  - All SELECTS
- Postal code to riding lookup

# Federal Elections



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# CMS Like Systems

- Photo Gallery Manager
  - Movable Type
-

# Photo Galleries

## Slave Lake wildfires

Wildfires in northern Alberta have displaced thousands from the town of Slave Lake, and damaged or destroyed many houses in the town of 7,000



Burnt-out vehicles sit in a fire-ravaged neighborhood of Slave Lake. (Todd Korol/Reuters)



4 of 16



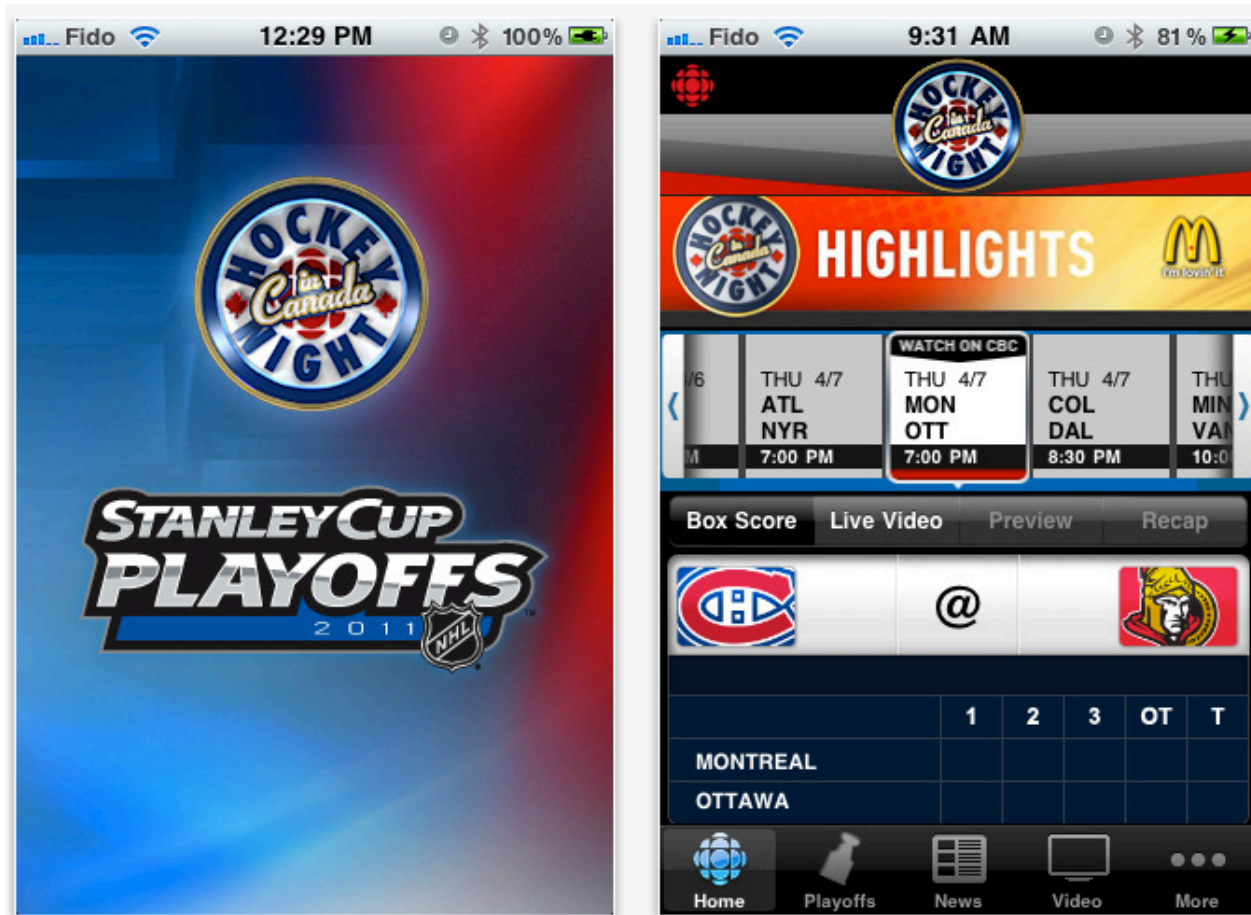
Hide Caption

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# Apple Push Notification Service

- > 330,000 registered devices
- Currently only used for HNIC App.

# Apple Push Notification Service



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# Weather & Geo-Location

- A table of CBC radio coverage area
  - Automatically select local radio station for streaming
- A table of weather station locations
  - Nearest weather is displayed automatically



# Weather & Geo-Location

**Toronto**

[change](#)

12°C Light Rainshower



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# Thank You!

- ▣ Be sure to attend my 1 hour talk:
  - ▣ Using PostgreSQL+PostGIS for Flight Planning