Multi-level Data Management for Sport

Unlocking the Potential

Canadian Sport Centres

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Highlights

Reporting

– Reporting time reduced 7 to 10 fold

Accountability

– Easy, accurate reporting on athletes supported, Service Provider activity, etc

Communication

– Web 2.0 tools enhance communication between user groups

Management

– Automated processes ease staff workload

– Resource management

Talent ID

– Track athlete development

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The CSC Net Project

- Response to the administrative requirements of the Canadian Sport Centres
- Designed to fulfill the reporting requirements of the Canadian Sport Centre Network
- Definitions, processes, etc were already in place
- Manage athlete, coach and service provider data.
- A "ground up" project - full business analysis, user surveys, etc.
- Built on an existing platform

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Challenges

- System needs to work in a multi-sport / multi-level environment.

- System MUST reflect valid business processes.

- Change has to be managed carefully

- Solid reporting tools

- Gaining user acceptance

- Technical challenges - access permissions, hosting, security, etc
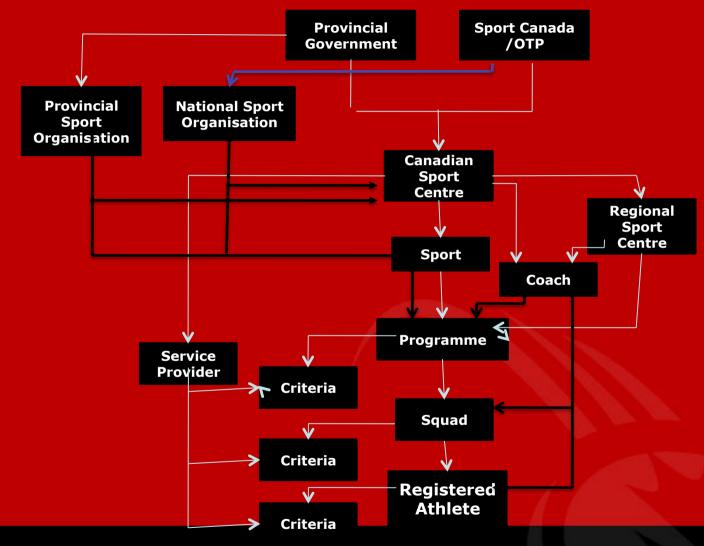
- Time & money

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Challenges

- Geography
  - Athletes, coaches and teams move between centres
  - Centres must track support provided to these groups
  - Each centre is a distinct entity
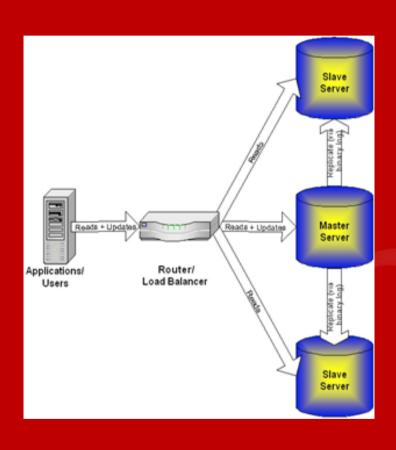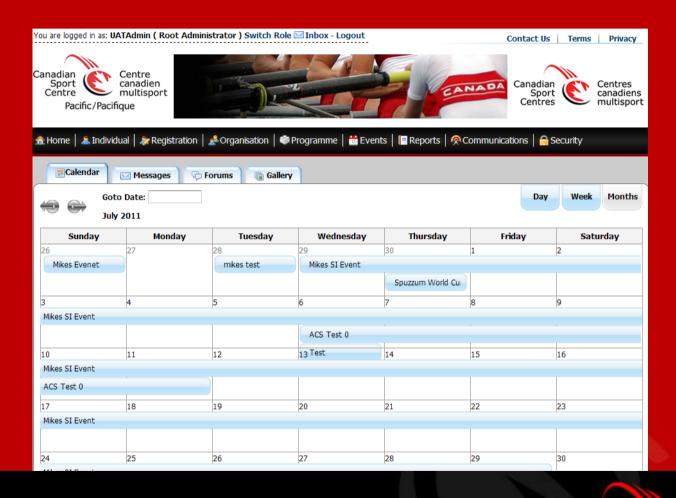- And the final challenge...

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Canadian Sport System

```
                    ┌──────────────┐   ┌──────────────┐
                    │  Provincial  │   │ Sport Canada │
                    │  Government  │   │    /OTP      │
                    └──────────────┘   └──────────────┘

┌──────────────┐   ┌──────────────┐
│  Provincial  │   │National Sport│
│    Sport     │   │ Organisation │
│ Organisation │   └──────────────┘
└──────────────┘
                                        ┌──────────────┐
                                        │  Canadian    │
                                        │    Sport     │
                                        │   Centre     │
                                        └──────────────┘
                                                           ┌──────────────┐
                                                           │  Regional    │
                                                           │    Sport     │
                                                           │   Centre     │
                                        ┌──────────────┐   └──────────────┘
                                        │    Sport     │
                                        └──────────────┘   ┌──────────────┐
                                                           │    Coach     │
                                                           └──────────────┘
┌──────────────┐
│   Service    │
│  Provider    │   ┌──────────────┐     ┌──────────────┐
└──────────────┘   │   Criteria   │     │  Programme   │
                   └──────────────┘     └──────────────┘

                                        ┌──────────────┐
                   ┌──────────────┐     │    Squad     │
                   │   Criteria   │     └──────────────┘
                   └──────────────┘
                                        ┌──────────────┐
                   ┌──────────────┐     │  Registered  │
                   │   Criteria   │     │   Athlete    │
                   └──────────────┘     └──────────────┘
```

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Our Solution

- Built on SDNA Membership
- Technical:
  - LAMP Platform
  - Works with all major browsers
  - Secure connections (https)
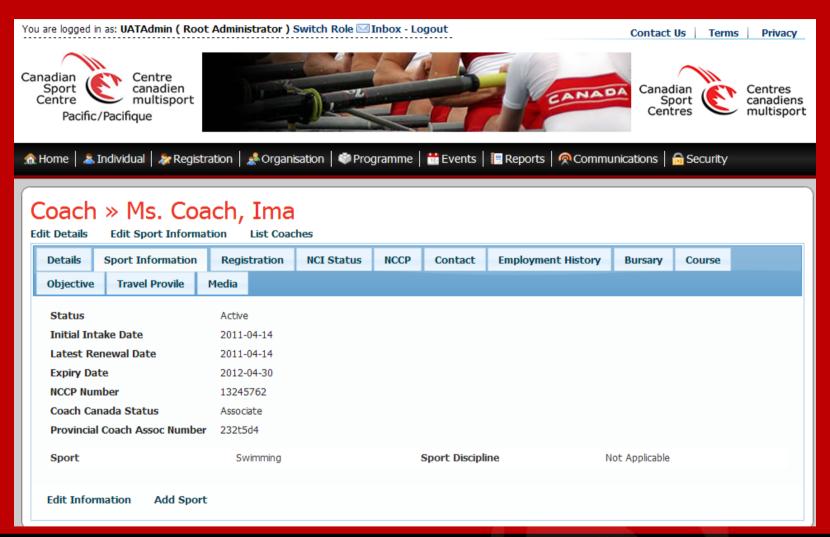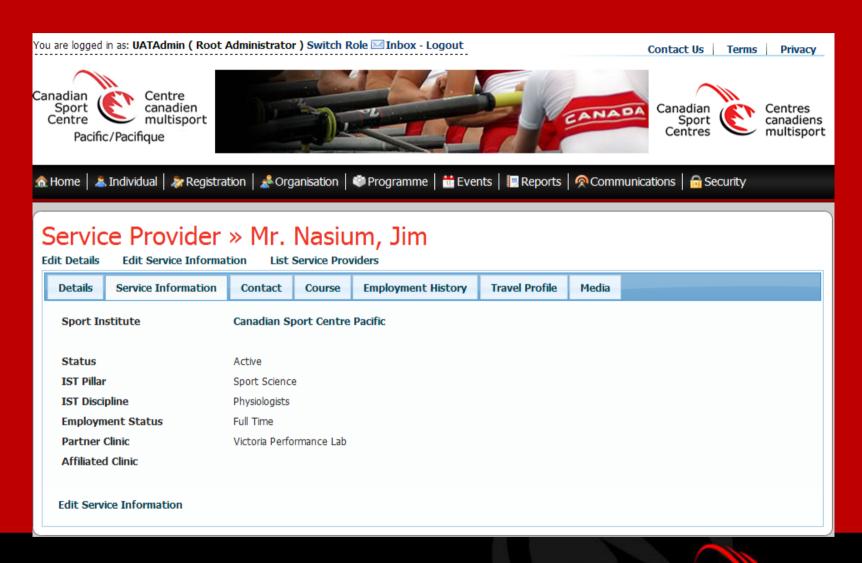 - Role-based access
- Hosted in Canadian data centre

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Home Page

A Closer Look - Athletes

You are logged in as: **UATAdmin (Root Administrator) Switch Role** ✉ **Inbox - Logout**   **Contact Us** | **Terms** | **Privacy**

🏠 Home | 👤 Individual | 🏃 Registration | 👥 Organisation | 📦 Programme | 📅 Events | 📋 Reports | 📡 Communications | 🔒 Security

Athlete » Balboa, Rocky

Edit Details   List Athletes

Details	Sport Information	Registration	Clothing	Next of Kin	Contact	Bursary	Course	Objective

Health Insurance	Health Insurance Claim	Travel Profile	Travel Insurance	Media	History	Testing	Results

Name	Balboa, Rocky
Username	rockybalboa
Email	thechamp@hotmail.com
Membership Number	107048
Preferred Name	
Middle Name	
Address	[current] 123 Uppercut Way
	Victoria
	British Columbia
	V8V 8V8
Phone	[home] (250) 123-0987
Skype Address	
Description	
Birthdate	1953-11-03
Gender	Male
Preferred Language	English
Provincial Health Care #	
Hometown	Philedelphia

A Closer Look - Coaches

A Closer Look – Service Providers

A Closer Look – Athlete Testing

A Closer Look – Athlete Testing

A Closer Look - Messaging

A Closer Look - Reporting

A Closer Look - Reporting

IST Pillar	Sport Science
Service Type	Physiologist - hourly

Service Provider Gordon Y6jsA9oB

Start Date	End Date	Hours	Fees	Location	Service Types	# of Athletes	Athletes & Coaches	Comments
2010-03-01	2010-03-01	2	0.00	CSC Facility	Physiologist - hourly	13	Ryan LWo4IchG Craig dosKZty Pierre 9Lf9SYH Rick 4F9 Nicholas AISJJdcd Stefan Rs5JLUs MacKenzie KGwdsEP Jayme 73UF2z Cody RxS8I9 Alexa IJngKzKZCk Jeremy MoJIDvc Richard Ddvv0gLnS Blake JSff2Oj	IST Meeting
2010-08-26	2010-08-26	4	0.00	CSC Facility	Physiologist - hourly	0		IST meeting

Summary for 'Service Provider' = Gordon Y6jsA9oB (2 detail records)

Total:	6	0.00

Service Provider Jim Nasium

Start Date	End Date	Hours	Fees	Location	Service Types	# of Athletes	Athletes & Coaches	Comments
2010-06-18	2010-06-18	2	0.00	Client site	Physiologist - hourly	1		7 x 200 step test

Summary for 'Service Provider' = Jim Nasium (1 detail records)

Total:	2	0.00

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A Closer Look – Ad Hoc Reporting

Partner Integration

Integration with CSCNet

SDNA Users
Multi-level membership on-line registration, payment gateway, athlete, coach officials database, two way communication, tracking and reporting event management,

| Baseball | Freestyle |
| Waterski | WTF TKD |

Speed Skating

Canadian Sport Centres' Network (CSCNet)
IST monitoring, tracking and reporting, athlete service usage tracking

| Pacific | Calgary | Sask. | Manitoba |

CSCNet High Performance Users
Enhanced data capture, results, testing, coach interaction, athlete tracking

| Rowing | Swimming | Wrestling | Golf | Rugby |

Athletes, Coaches, Members, Administrators

Individualized interactive event calendars, direct communications from NSO, PSO, club and team

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CSC Net – Talent ID

Talent ID – Adding Test Results

Talent ID – Sample Test Report

Test Group	RCA RADAR
Category	Heavyweight Under 23 Men
Tests	

Test Name	Result	Calculated Watts	500m Spilt Time	Score
Weight (kg)	85.1 kilograms			
Height (cm)	184.5 centimetres			
Arm Span (cm)	189.5 centimetres			
Peak Power (190 Drag Factor)	1111 watts	1111	01:08.0	75
Peak Power (Testing Drag Factor)	1012 watts	1012	01:10.2	75
1 Minute	371 metres	662	01:20.9	52
2000 Meter	06:27:1 time	386	01:36.8	48
6000 Meter	20:31:1 time	324	01:42.6	55
60 Minute	15721 metres	233	01:54.5	21
Time Trial 2000 Meter (1x)	time			
Time Trial 2000 Meter (2-)	07:28:4 time	248	01:52.2	0

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Extending CSC Net

- To Build or to Partner, that is the question
- We see CSC Net as the over-arching portal that links to specialist applications
  - JasperSoft BI reporting
  - InjuryZone
  - AthleticLogic
- Shared feature development

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Summary

- CSC Net is a portal for sport management at multiple levels
- Increased staff efficiencies.
- Greater insight
- Enhanced communication
- Extended through specialist applications

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Questions