

An OOR Implementation for COLORE

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Project Collaboration

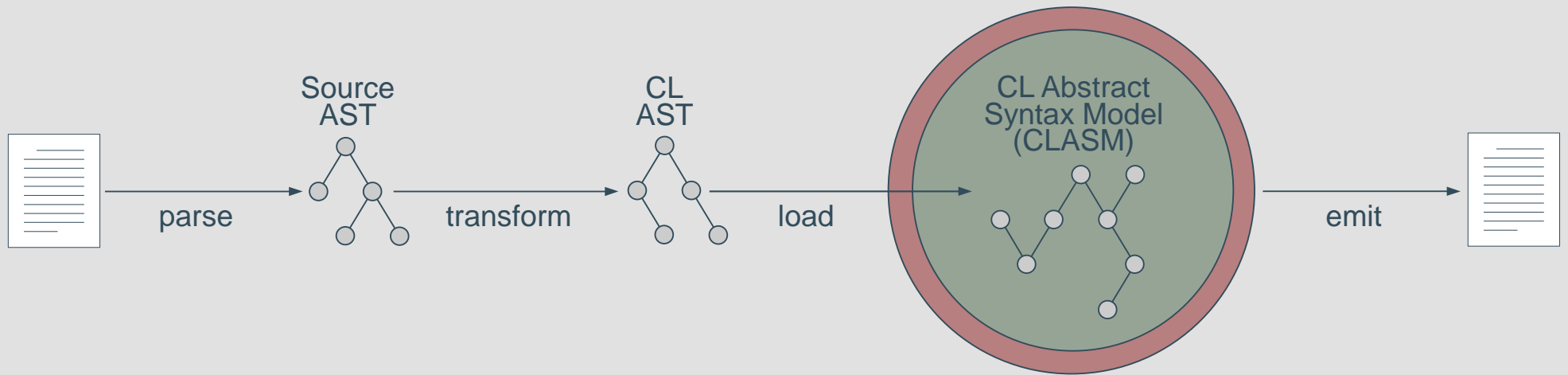
- **Content:**

- Semantic Technologies Laboratory (UofT)
- Michael Gruninger custodian of COLORE content

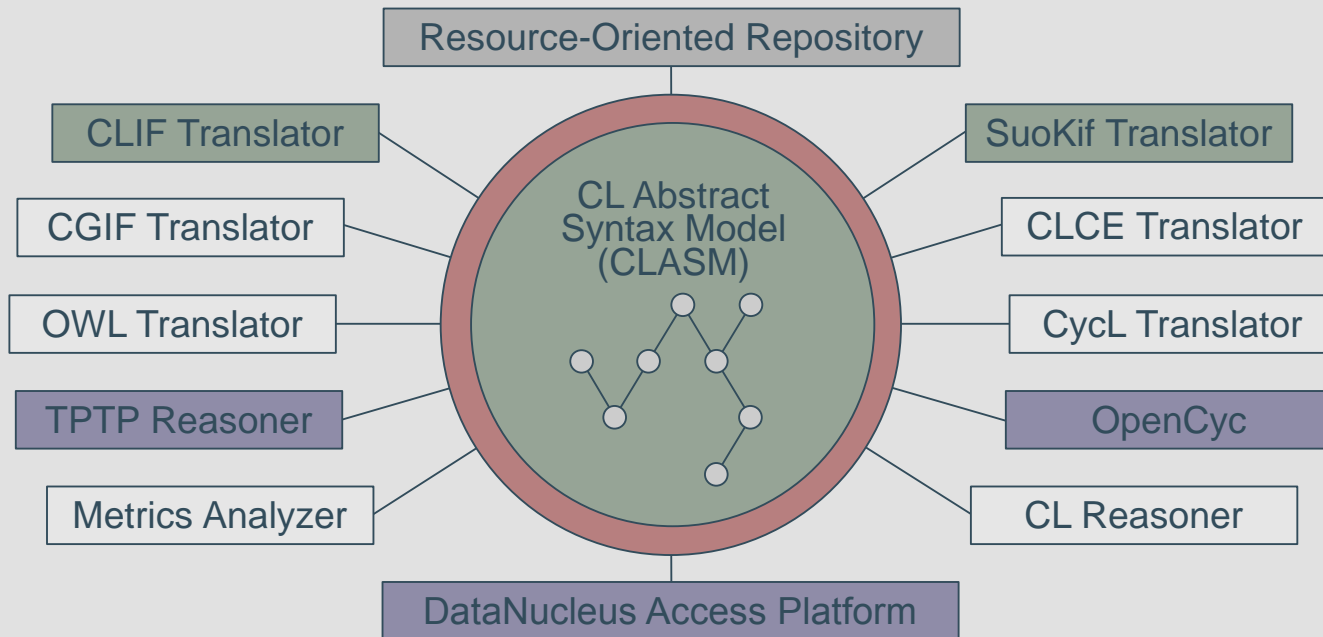
- **Software:**

- Kojeware Corporation
- Cameron Ross custodian COLORE software

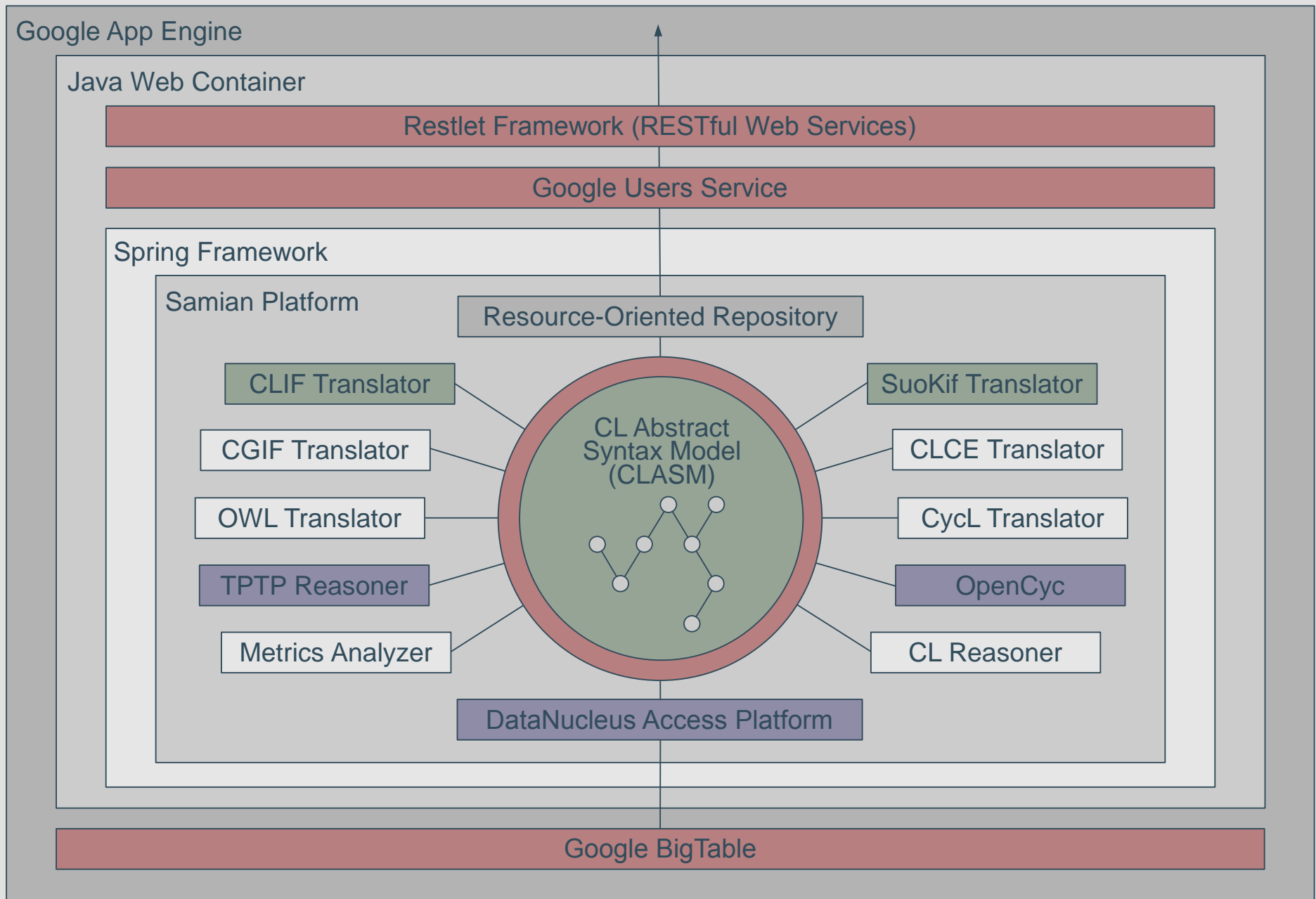
Samian Translation Framework



Samian Platform Architecture



COLORE System Architecture



Programmatic Interfaces

- **Object-Oriented Interface:**

- based on the visitor design pattern
- separates structure from operations over structure
- used by operations requiring intimate access to CLASM
- NOT intended as an RPC interface

- **Resource-Oriented Interface:**

- abstracts application state into a set of resources
- define identifiers for these resources
- define a small set of operations on these resource
- implement operations using a stateless C/S protocol
- used for managing resources
- intended as an RPC interface

Common Logic Resource Model

- **Common Logic Resources:**

- named texts
- modules
- interpretablenames (enclosednames, namecharsequences)

- **Resource Naming Strategy:**

- globally unique, persistable, location independent
- Universal Resource Names (URNs)
- register oor with IANA as a Namespace ID
- OOR initiative would manage namespace
- named text: *urn:oor:colore:psl:psl-core*
- interpretablename: *urn:oor:colore:psl:psl-core:before*
- interpretable names become verbose
- URN resolution requires more consideration

Project Coordinates

- **COLORE:**

- Google Code project
- SVN, Wiki, discussion list, issue tracker, release downloads
- <http://code.google.com/p/colore>
- <http://creativecommons.org/licenses/by-sa/3.0>
- 159 CLIF files

- **Samian Platform:**

- Eclipse Labs project
- SVN, Wiki, discussion list, issue tracker, release downloads
- <http://code.google.com/a/eclipseorg/p/samian-platform>
- <http://www.eclipse.org/legal/epl-v10.html>
- CLIF translator, CLASM object model, SuoKif translator...

Current Considerations

- **Technical:**

- investigating CL namespacing
- designing CL resource model
- looking for a CL reasoner
- building CL specific tooling
- analyzing BioPortal architecture
- analyzing OOR requirements

- **Administrative:**

- seeking project funding
- recruiting project contributors
- populating project websites
- identifying synergies