Explore Skywriting With CIEL

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Brief Introduction

• **Skywriting**
  - A script language for describing distributed computation
  - Able to express arbitrary data-dependent control flow using *while loops* and *recursive functions*

• **CIEL**
  - An universal execution engine for distributed data-flow programs
  - Running the Skywriting scripts
Why study them?

- A new language for cloud computing
- Compare and contrast with existing systems
- General language benchmarking
Progress

• Setup and run CIEL on signal machine and LAN
• Explore and run the included examples
• Learning new programming languages
• Find out how CIEL invoke other language’s runtime
• Writing a simple algorithm in various language
Findings and Challenges

• Cloud computing
• Details of Skywriting and CIEL
• Relation between Skywriting and CIEL

• How CIEL map its primitive with existing language
• Writing complex algorithm using the language that is new to me
Explore Skywriting And CIEL