Web services

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Definition: Accessing the data programmatically

- Can do anything via a script you can do in the webapp!
- Available for all InterMines
- Free





Web services - three methods

- 1. lodocs (http://iodocs.apps.intermine.org/)
 - a. HTTP calls
 - b. GET www.flymine.org/query/service/path/values?path=Organism.name&format=json
- 2. Client libraries
 - a. Java
 - b. Perl
 - c. Python ← already installed locally
 - d. Ruby
 - e. JavaScript
 - f. R (in final stages of preparation)
- 3. Webapp generate script













Generate Script

- 1. Humanmine.org templates tab
- 2. Filter for gene pathways
- 3. Run gene \rightarrow pathways template
- 4. "Generate Python code"
- 5. save the file
- 6. open terminal
- 7. \$ cd /Downloads
- 8. \$ chmod u+x query.py
- 9. \$./query.py





