Key Concepts and Definitions
OUTLINE

The Samvera stack is made up of many gems, all working together to create a full-stack application.
• Name of the community

• Originally called ‘Hydra’

• Often refers to several application level Rails gems and engines (libraries of code)
Rails is a framework that is written in the Ruby programming language

• Full Stack Framework
Solr

- Index based search

- Answers the question, “What items have metadata that matches?”

- Returns the ID’s to look up actual data in Fedora

- Communicates over HTTP and XML.
<table>
<thead>
<tr>
<th>AUTHOR</th>
<th>Dumas, Alexandre</th>
</tr>
</thead>
<tbody>
<tr>
<td>TITLE</td>
<td>The Count of Monte Cristo</td>
</tr>
<tr>
<td>PUBLISHED</td>
<td>Journal des Débats, 1844-1845</td>
</tr>
<tr>
<td>FIRST LINE</td>
<td>&quot;On the 24th of February, 1815, the look-out at Notre-Dame de la Garde signalled the three-master, the Pharaon from Smyrna, Trieste, and Naples.&quot;</td>
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<tr>
<td>LAST LINE</td>
<td>&quot;Darling,&quot; replied Valentine, &quot;has not the count just told us that all human wisdom is summed up in two words: 'Wait and hope (Fac et spera)!&quot;</td>
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• ActiveFedora is a Ruby gem for creating and managing objects

• ActiveFedora is a core component of the Samvera community

• Loosely based on the “ActiveRecord” gem

• It can store, preserve, and provide access to any type of file without restrictions.
Blacklight is an open source Solr interface discovery platform

You can use Blacklight to enable searching and browsing of your collections
Application Level

• Samvera provides a number of “solution bundle” applications which provide more complete solutions in particular areas.
Hyrax is an implementation of the Samvera stack, bringing all the pieces together.

Hyrax is a Ruby gem that includes much of Samvera’s functionality. It is the basis on which users can build their own customized versions of Samvera.
• Hyku takes the Samvera stack and makes it multi-tenant.
The Avalon Media System is an open source system for managing and providing access to large collections of digital audio and video.
Bringing It All Together
Insert Questions Here!