DSpace Futures REST API Use Cases

REST API Use Cases

General Use Case	Description / Specific Examples	Institutions Interested in this Use Case
Repurpose / Reuse information elsewhere	Generally would be nice to be able to more easily repurpose DSpace information into other services and websites (without resorting to SQL calls or Java calls)	Delaware
	More easily embed DSpace content into other websites (via Javascript widgets or similar)	Harvard, University of Cincinnati, University of Missouri Library Systems
	Data visualization / Data mining tools integration. Pull out data from DSpace and visualize elsewhere. Could help in managing data that is in DSpace	University of Cincinnati, Virginia Tech
	Direct integrations with web platforms / CMSes. Drupal was of particular interest	Harvard, Virginia Tech, @mire
	Connect DSpace information up with other data sources (for example LC data)	
Create additional User Interfaces	Create a more "flashy" / sexty interface in a non-Java language (Ruby on Rails, PHP, or whatever)	
	Possible connection to Hydra framework?	
REST API as a Repository Abstraction Layer	REST API could be the underlying API for many existing and future DSpace services. For example, RSS feeds or OAI-PMH (or SWORD) could potentially be rewritten to just use the REST API for communication	
	Way to "modularize" DSpace. Third party tools & services could be built **external** to DSpace (and even in non-Java languages) and use the REST API layer for interactions with DSpace. DSpace need not "do it all" out-of-the-box. More external tools could be built to perform actions on DSpace content.	
Needs to be Highly Scalable	A REST API would likely have higher loads. It needs to undergo some scalability testing and perhaps use caching to support many concurrent requests.	Virginia Tech