```
RewriteEngine on

RewriteRule ^(xml|json|rdf|html|n3|sif)/P?(\d+)?/?([A-Za-z0-9_]{9,})?/?$ S3QL.php?format=$1&
<S3QL><key>$3</key><from>projects</from><where><project_id>$2</project_id></where></S3QL>
RewriteRule ^(xml|json|rdf|html|n3|sif)/P?(\d+)?/?C?(\d+)?/?([A-Za-z0-9_]{9,})?/?$ S3QL.php?
format=$1&query=<S3QL><key>$4</key><from>collections</from><where><project_id>$2</project_id
<resource_id>$3</resource_id></where></S3QL>
RewriteRule ^(xml|json|rdf|html|n3|sif)/P?(\d+)?/?C?(\d+)?/?I?(\d+)?/?([A-Za-z0-9_]{9,})?/?$
S3QL.php?format=$1&query=<S3QL><key>$5</key><from>items</from><where><project_id>$2</project
<collection_id>$3</collection_id><resource_id>$4</resource_id></where></S3QL>
RewriteRule ^(xml|json|rdf|html|n3|sif)/P?(\d+)?/?C?(\d+)?/?I?(\d+)?/?R?(\d+)?/?([A-Za-z0-9_
{9,})?/?$ S3QL.php?format=$1&query=<S3QL><key>$6</key><from>rules</from><where>
<project_id>$2</project_id><collection_id>$3</collection_id><item_id>$4</item_id>
<resource_id>$5</resource_id></where></S3QL>
RewriteRule ^(xml|json|rdf|html|n3|sif)/P?(\d+)?/?C?(\d+)?/?I?(\d+)?/?S?(\d+)?/?([A-Za-z0-9_
{9,})?/?$ S3QL.php?format=$1&query=<S3QL><key>$6</key><from>statements</from><where>
<project_id>$2</project_id><collection_id>$3</collection_id><item_id>$4</item_id>
<resource_id>$5</resource_id></where></S3QL>
RewriteRule ^(xml|json|rdf|html|n3|sif)/P?(\d+)?/?C?(\d+)?/?I?(\d+)?/?S?(\d+)?/?R?(\d+)?/?([
z0-9_]{9,})?/?$ S3QL.php?format=$1&query=<S3QL><key>$7</key><from>rules</from><where>
<project_id>$2</project_id><collection_id>$3</collection_id><item_id>$4</item_id>
<statement_id>$5</statement_id><resource_id>$6</resource_id></where></S3QL>
RewriteRule ^(xml|json|rdf|html|n3|sif)/P?(\d+)?/?C?(\d+)?/?I?(\d+)?/?R?(\d+)?/?S?(\d+)?/?([
z0-9_]{9,})?/?$ S3QL.php?format=$1&query=<S3QL><key>$7</key><from>statements</from><where>
<project_id>$2</project_id><collection_id>$3</collection_id><item_id>$4</item_id>
<rule_id>$5</rule_id><resource_id>$6</resource_id></where></S3QL>
RewriteRule ^(D[^/]+)$ URI.php?uid=$1&format=rdf
RewriteRule ^(D|P|C|R|I|S|U|G)(\d+)$ URI.php?uid=$1$2&format=xml
RewriteRule ^(P|C|R|I|S)(\d+)/(.*)$ URI.php?uid=$1$2&format=xml&key=$3
RewriteRule ^S3QL/(key|format|query|user_id)/(\w+|\d+|.+)/?(key|format|query|user_id)?/?
(\w+|\d+|.+)/?(key|format|query|user_id)/?(.+)? S3QL.php?$1=$2&$3=$4&$5=$6
RewriteRule
^S3QL/(from|insert|update|delete)/(user|group|project|collection|item|rule|statement)/(.*)$
S3QL.php?key=$3&query=<S3QL><$1>$2</$1></S3QL>
RewriteRule
^S3QL/(from|insert|update|delete)/(users|groups|projects|collections|items|rules|statements)
S3QL.php?key=$3&query=<S3QL><$1>$2</$1></S3QL>
RewriteRule ^URI/(P|C|R|I|S)(.*)/(.*)$ URI.php?key=$3&uid=$1$2
RewriteRule ^URI/(P|C|R|I|S)(.*)$ URI.php?&uid=$1$2
RewriteRule ^(xml|json|rdf|html|n3|sif)/P(.*)/$ S3QL.php?format=$1&query=<S3QL>
```

```
<from>projects</from><where><project_id>$2</project_id></where></S3QL>
RewriteRule ^(xml|json|rdf|html|n3|sif)/P(.*)/C(.*)/$ S3QL.php?key=$4&format=$1&query=<S3QL>
<from>collections</from><where><project_id>$2</project_id><collection_id>$3</collection_id>
</where></S3QL>
RewriteRule ^(xml|json|rdf|html|n3|sif)/P(.*)/R$ S3QL.php?key=$4&format=$1&query=<S3QL>
<from>rules</from><where><project_id>$2</project_id><rule_id>$3</rule_id></where></S3QL>
RewriteRule ^(xml|json|rdf|html|n3|sif)/P(.*[^/])/C(.*)/I(.*)/*$ S3QL.php?key=$4&format=$1&c
<S3QL><from>items</from><where><project_id>$2</project_id><collection_id>$3</collection_id>
<item_id>$4</item_id></where></S3QL>
RewriteRule ^S3QL/(deployment|user|group|project|collection|rule|item|statement)$ S3QL.php?c
<S3QL><from>$1</from></S3QL>
RewriteRule ^S3QL/(deployment|user|group|project|collection|rule|item|statement)/(.*)=(.*)/(
(.*)/(.*)=(.*)$ S3QL.php?query=<S3QL><from>$1</from><where><$2>$3</$2><$4>$5</$4><$6>$7</$6>
</where></S3QL>
RewriteRule ^S3QL/(deployment|user|group|project|collection|rule|item|statement)/(.*)=(.*)/(
(.*)$ S3QL.php?query=<S3QL><from>$1</from><where><$2>$3</$2><$4>$5</$4></where></S3QL>
RewriteRule ^S3QL/(deployment|user|group|project|collection|rule|item|statement)/(.*)=(.*)$
S3QL.php?query=<S3QL><from>$1</from><where><$2>$3</$2></where></S3QL>
RewriteRule ^([a-zA-Z0-9]+)/{0,1}$ msredirect.php?name=$1
RewriteRule ^([a-zA-Z0-9]+)/(apilogin|S3QL|URI\.php) msredirect.php?name=$1&func=$2&args=$3
RewriteRule ^([a-zA-Z0-9]+)/(\?query\=.*)$ msredirect.php?name=$1&func=S3QL&args=$2
RewriteRule ^([a-zA-Z0-9]+)/(\?uid\=.*)$ msredirect.php?name=$1&func=URI&args=$2
```