

```

2014-06-10 10:43:30 -0700
LtiMessage: Request Tool Registration
LaunchUrl: http://localhost:5000/lti2_tp/registrations
<div id="ltiLaunchFormSubmitArea">
  <form action="http://localhost:5000/lti2_tp/registrations"
    name="ltiLaunchForm" id="ltiLaunchForm" method="post"
    enctype="application/x-www-form-urlencoded">
    <input type="hidden" name="lti_message_type" value="ToolProxyRegistrationRequest"/>
    <input type="hidden" name="lti_version" value="LTI-2p0"/>
    <input type="hidden" name="user_id" value="2"/>
    <input type="hidden" name="roles" value="urn:lti:sysrole:ims/lis/SysAdmin"/>
    <input type="hidden" name="tc_profile_url" value="http://localhost:4000/lti2_tc/tool_consumer_profiles/a259be60-d2f4-0131-6e78-20c9d07c6451"/>
    <input type="hidden" name="reg_key" value="a259b730-d2f4-0131-6e78-20c9d07c6451"/>
    <input type="hidden" name="reg_password" value="932b1f69ae05d4cca4705e4aaafe3544"/>
    <input type="hidden" name="launch_presentation_return_url" value="http://localhost:4000/admin/tool_actions"/>
    <input type="hidden" name="launch_presentation_document_target" value="window"/>
  </form>
</div>
<script language="javascript">
  document.ltiLaunchForm.submit();
</script>

```

```

2014-06-10 10:43:37 -0700
LtiService: Register ToolProxy with ToolConsumer
POST http://localhost:4000/lti2_tc/tools
Headers:
Authorization: OAuth oauth_consumer_key="a259b730-d2f4-0131-6e78-20c9d07c6451", oauth_nonce="8932107465
Content-Type: application/vnd.ims.lti.v2.toolproxy+json
Content-Length: 5374
X-IMS-EndRegistration-ID: aceea2d0-d2f4-0131-6e5f-20c9d07c6451
Body:
{"@context": "http://purl.imsglobal.org/ctx/lti/v2/ToolProxy", "@type": "ToolProxy", "@id": "ToolProxyProp

```

```

2014-06-10 10:43:47 -0700
Response: Register ToolProxy with ToolConsumer
Status: 201 Created
Headers:
content-type: application/vnd.ims.lti.v2.toolproxy.id+json; charset=utf-8
content-length: 213
{
  "@context": "http://purl.imsglobal.org/ctx/lti/v2/ToolProxyId",
  "@type": "ToolProxy",
  "@id": "http://localhost:4000/tools/acf93780-d2f4-0131-6e78-20c9d07c6451",
  "tool_proxy_guid": "acf93780-d2f4-0131-6e78-20c9d07c6451"
}

```

```

2014-06-10 10:44:37 -0700
LtiMessage: Lti Launch
LaunchUrl: http://localhost:5000/echoes
<div id="ltiLaunchFormSubmitArea">
  <form action="http://localhost:5000/echoes" target="_blank"
    name="ltiLaunchForm" id="ltiLaunchForm" method="post"
    enctype="application/x-www-form-urlencoded">
    <input type="hidden" name="lti_version" value="LTI-2p0"/>
    <input type="hidden" name="lti_message_type" value="basic-lti-launch-request"/>
    <input type="hidden" name="resource_link_id" value="329"/>
    <input type="hidden" name="user_id" value="2"/>
    <input type="hidden" name="roles" value="Administrator"/>
    <input type="hidden" name="launch_presentation_return_url" value="http://localhost:4000/admin/course_page?method=show&course_id=5"/>
    <input type="hidden" name="launch_presentation_document_target" value="window"/>
    <input type="hidden" name="context_id" value="5"/>
    <input type="hidden" name="launch_presentation_locale" value="en_US"/>
    <input type="hidden" name="context_label" value="DPE001"/>
    <input type="hidden" name="context_title" value="Design of Personal Environments 1"/>
    <input type="hidden" name="lis_course_section_sourcedid" value="5"/>
    <input type="hidden" name="tool_consumer_info_product_family_code" value="LuMoS"/>
    <input type="hidden" name="tool_consumer_info_version" value="3.1"/>
    <input type="hidden" name="custom_referrer" value="Narcissus"/>
    <input type="hidden" name="custom_pi" value="3.14159"/>
    <input type="hidden" name="custom_user_primary_email" value="admin@lumos.org"/>
    <input type="hidden" name="custom_discipline" value="DPE001"/>
    <input type="hidden" name="oauth_consumer_key" value="acf93780-d2f4-0131-6e78-20c9d07c6451"/>
    <input type="hidden" name="oauth_nonce" value="1471584111882"/>
    <input type="hidden" name="oauth_signature_method" value="HMAC-SHA1"/>
    <input type="hidden" name="oauth_timestamp" value="1402422277"/>
    <input type="hidden" name="oauth_version" value="1.0"/>
    <input type="hidden" name="oauth_callback" value="about:blank"/>
    <input type="hidden" name="oauth_signature" value="5DELQScmp4DVm/x0EN3TwF7TCog="/>
    <a href="/admin/launches" target="_self">Return to Admin</a>
  </form>
</div>

```

```
<script language="javascript">
  document.ltiLaunchForm.submit();
</script>
```

2014-06-10 10:44:51 -0700

LtiMessage: Reregister Tool

LaunchUrl: http://localhost:5000/lti2_tp/reregistrations

```
<div id="ltiLaunchFormSubmitArea">
```

```
<form action="http://localhost:5000/lti2_tp/reregistrations"
  name="ltiLaunchForm" id="ltiLaunchForm" method="post"
  enctype="application/x-www-form-urlencoded">
  <input type="hidden" name="tc_profile_url" value="http://localhost:4000/lti2_tc/tool_consumer_profiles/d91cf8f0-d2f4-0131-6e78-20c9d07c6451"/>
  <input type="hidden" name="launch_presentation_return_url" value="http://localhost:4000/admin/tool_actions"/>
  <input type="hidden" name="lti_message_type" value="ToolProxyReregistrationRequest"/>
  <input type="hidden" name="oauth_consumer_key" value="acf93780-d2f4-0131-6e78-20c9d07c6451"/>
  <input type="hidden" name="oauth_nonce" value="2915546831391"/>
  <input type="hidden" name="oauth_signature_method" value="HMAC-SHA1"/>
  <input type="hidden" name="oauth_timestamp" value="1402422291"/>
  <input type="hidden" name="oauth_version" value="1.0"/>
  <input type="hidden" name="oauth_callback" value="about:blank"/>
  <input type="hidden" name="oauth_signature" value="FzzJtNlTw9AvhlRMH5vqFGv3MIU="/>
```

```
</form>
</div>
<script language="javascript">
  document.ltiLaunchForm.submit();
</script>
```

2014-06-10 10:44:54 -0700

LtiService: ReRegister ToolProxy with ToolConsumer

POST http://localhost:4000/lti2_tc/tools

Headers:

Authorization: OAuth oauth_consumer_key="acf93780-d2f4-0131-6e78-20c9d07c6451", oauth_nonce="7950076576

Content-Type: application/vnd.ims.lti.v2.toolproxy+json

Content-Length: 5376

X-IMS-EndRegistration-ID: da9d0ec0-d2f4-0131-6e5f-20c9d07c6451

Body:

```
{"@context":["http://purl.imsglobal.org/ctx/lti/v2/ToolProxy"],"@type":"ToolProxy","@id":"ToolProxyProp
```

2014-06-10 10:45:03 -0700

Response: ReRegister ToolProxy with ToolConsumer

Status: 201 Created

Headers:

content-type: text/html; charset=utf-8

content-length: 1

2014-06-10 10:45:44 -0700

LtiMessage: Lti Launch

LaunchUrl: http://localhost:5000/echoes

```
<div id="ltiLaunchFormSubmitArea">
```

```
<form action="http://localhost:5000/echoes" target="_blank"
  name="ltiLaunchForm" id="ltiLaunchForm" method="post"
  enctype="application/x-www-form-urlencoded">
  <input type="hidden" name="lti_version" value="LTI-2p0"/>
  <input type="hidden" name="lti_message_type" value="basic-lti-launch-request"/>
  <input type="hidden" name="resource_link_id" value="329"/>
  <input type="hidden" name="user_id" value="2"/>
  <input type="hidden" name="roles" value="Administrator"/>
  <input type="hidden" name="launch_presentation_return_url" value="http://localhost:4000/admin/course_page?method=show&course_id=5"/>
  <input type="hidden" name="launch_presentation_document_target" value="window"/>
  <input type="hidden" name="context_id" value="5"/>
  <input type="hidden" name="launch_presentation_locale" value="en_US"/>
  <input type="hidden" name="context_label" value="DPE001"/>
  <input type="hidden" name="context_title" value="Design of Personal Environments 1"/>
  <input type="hidden" name="lis_course_section_sourcedid" value="5"/>
  <input type="hidden" name="tool_consumer_info_product_family_code" value="LuMoS"/>
  <input type="hidden" name="tool_consumer_info_version" value="3.1"/>
  <input type="hidden" name="custom_referrer" value="Narcissus"/>
  <input type="hidden" name="custom_pi" value="3.14159"/>
  <input type="hidden" name="custom_user_primary_email" value="admin@lumos.org"/>
  <input type="hidden" name="custom_discipline" value="DPE001"/>
  <input type="hidden" name="oauth_consumer_key" value="acf93780-d2f4-0131-6e78-20c9d07c6451"/>
  <input type="hidden" name="oauth_nonce" value="9808082784025"/>
  <input type="hidden" name="oauth_signature_method" value="HMAC-SHA1"/>
  <input type="hidden" name="oauth_timestamp" value="1402422344"/>
  <input type="hidden" name="oauth_version" value="1.0"/>
  <input type="hidden" name="oauth_callback" value="about:blank"/>
  <input type="hidden" name="oauth_signature" value="OXMf/u76D0eyeCpNhUmsaGa852o="/>
```

```
<a href="/admin/launches" target="_self">Return to Admin</a>
```

```
</form>
```

```

</div>
<script language="javascript">
    document.ltiLaunchForm.submit();
</script>

```

2014-06-10 10:46:12 -0700

LtiService: EndRegistration ToolProxy

POST http://localhost:5100/lti2_tp/end_registration

Headers:

Authorization: OAuth oauth_consumer_key="acf93780-d2f4-0131-6e78-20c9d07c6451", oauth_nonce="5745439386174", oauth_signature_method="HMAC-SHA1", o

Content-Type: application/vnd.ims.lti.v2.toolproxy+json

Content-Length: 236

X-IMS-EndRegistration-ID: da9d0ec0-d2f4-0131-6e5f-20c9d07c6451

Body:

```

{"@context": "http://purl.imsglobal.org/ctx/lti/v2/ToolProxyId", "@type": "ToolProxy", "@id": "http://localhost:4000/tools/acf93780-d2f4-0131-6e78-20c9c

```

2014-06-10 10:46:12 -0700

Response: EndRegistration ToolProxy

Status: 201 Created

Headers:

content-type: application/vnd.ims.lti.v2.toolproxy.id+json; charset=utf-8

content-length: 236

```

{
  "@context": "http://purl.imsglobal.org/ctx/lti/v2/ToolProxyId",
  "@type": "ToolProxy",
  "@id": "http://localhost:4000/tools/acf93780-d2f4-0131-6e78-20c9d07c6451",
  "tool_proxy_guid": "acf93780-d2f4-0131-6e78-20c9d07c6451",
  "disposition": "commit"
}

```

2014-06-10 10:46:29 -0700

LtiMessage: Lti Launch

LaunchUrl: http://localhost:5000/echoes

<div id="ltiLaunchFormSubmitArea">

```

<form action="http://localhost:5000/echoes" target="_blank"
  name="ltiLaunchForm" id="ltiLaunchForm" method="post"
  enctype="application/x-www-form-urlencoded">
  <input type="hidden" name="lti_version" value="LTI-2p0"/>
  <input type="hidden" name="lti_message_type" value="basic-lti-launch-request"/>
  <input type="hidden" name="resource_link_id" value="329"/>
  <input type="hidden" name="user_id" value="2"/>
  <input type="hidden" name="roles" value="Administrator"/>
  <input type="hidden" name="launch_presentation_return_url" value="http://localhost:4000/admin/course_page?method=show&course_id=5"/>
  <input type="hidden" name="launch_presentation_document_target" value="window"/>
  <input type="hidden" name="context_id" value="5"/>
  <input type="hidden" name="launch_presentation_locale" value="en_US"/>
  <input type="hidden" name="context_label" value="DPE001"/>
  <input type="hidden" name="context_title" value="Design of Personal Environments 1"/>
  <input type="hidden" name="lis_course_section_sourcedid" value="5"/>
  <input type="hidden" name="tool_consumer_info_product_family_code" value="LuMoS"/>
  <input type="hidden" name="tool_consumer_info_version" value="3.1"/>
  <input type="hidden" name="custom_referrer" value="Narcissus"/>
  <input type="hidden" name="custom_pi" value="3.14159"/>
  <input type="hidden" name="custom_user_primary_email" value="admin@lumos.org"/>
  <input type="hidden" name="custom_discipline" value="DPE001"/>
  <input type="hidden" name="oauth_consumer_key" value="acf93780-d2f4-0131-6e78-20c9d07c6451"/>
  <input type="hidden" name="oauth_nonce" value="5810741396457"/>
  <input type="hidden" name="oauth_signature_method" value="HMAC-SHA1"/>
  <input type="hidden" name="oauth_timestamp" value="1402422389"/>
  <input type="hidden" name="oauth_version" value="1.0"/>
  <input type="hidden" name="oauth_callback" value="about:blank"/>
  <input type="hidden" name="oauth_signature" value="sPuVUeJtG7OC9QXBfDAkwkAZbnc="/>

```

Return to Admin

</form>

</div>

```

<script language="javascript">
    document.ltiLaunchForm.submit();
</script>

```

2014-06-10 10:46:46 -0700

LtiMessage: Reregister Tool

LaunchUrl: http://localhost:5000/lti2_tp/reregistrations

<div id="ltiLaunchFormSubmitArea">

```

<form action="http://localhost:5000/lti2_tp/reregistrations"
  name="ltiLaunchForm" id="ltiLaunchForm" method="post"
  enctype="application/x-www-form-urlencoded">
  <input type="hidden" name="tc_profile_url" value="http://localhost:4000/lti2_tc/tool_consumer_profiles/1d9a8090-d2f5-0131-6e78-20c9d07c6451"/>
  <input type="hidden" name="launch_presentation_return_url" value="http://localhost:4000/admin/tool_actions"/>
  <input type="hidden" name="lti_message_type" value="ToolProxyReregistrationRequest"/>
  <input type="hidden" name="oauth_consumer_key" value="acf93780-d2f4-0131-6e78-20c9d07c6451"/>
  <input type="hidden" name="oauth_nonce" value="2099230084750"/>

```

```






</form>
</div>
<script language="javascript">
    document.ltiLaunchForm.submit();
</script>

```

2014-06-10 10:46:48 -0700

LtiService: ReRegister ToolProxy with ToolConsumer

POST http://localhost:4000/lti2_tc/tools

Headers:

Authorization: OAuth oauth_consumer_key="acf93780-d2f4-0131-6e78-20c9d07c6451", oauth_nonce="5764528042

Content-Type: application/vnd.ims.lti.v2.toolproxy+json

Content-Length: 5376

X-IMS-EndRegistration-ID: 1eb2ec30-d2f5-0131-6e5f-20c9d07c6451

Body:

```
{ "@context": [ "http://purl.imsglobal.org/ctx/lti/v2/ToolProxy" ], "@type": "ToolProxy", "@id": "ToolProxyProp
```

2014-06-10 10:46:58 -0700

Response: ReRegister ToolProxy with ToolConsumer

Status: 201 Created

Headers:

content-type: text/html; charset=utf-8

content-length: 1

2014-06-10 10:47:04 -0700

LtiMessage: Reregister Tool

LaunchUrl: http://localhost:5000/lti2_tp/reregistrations

<div id="ltiLaunchFormSubmitArea">

<form action="http://localhost:5000/lti2_tp/reregistrations"

name="ltiLaunchForm" id="ltiLaunchForm" method="post"

encType="application/x-www-form-urlencoded">

<input type="hidden" name="tc_profile_url" value="http://localhost:4000/lti2_tc/tool_consumer_profiles/281fd010-d2f5-0131-6e78-20c9d07c6451"/>

<input type="hidden" name="launch_presentation_return_url" value="http://localhost:4000/admin/tool_actions"/>

<input type="hidden" name="lti_message_type" value="ToolProxyReregistrationRequest"/>

<input type="hidden" name="oauth_consumer_key" value="acf93780-d2f4-0131-6e78-20c9d07c6451"/>

<input type="hidden" name="oauth_nonce" value="1612801540886"/>

<input type="hidden" name="oauth_signature_method" value="HMAC-SHA1"/>

<input type="hidden" name="oauth_timestamp" value="1402422424"/>

<input type="hidden" name="oauth_version" value="1.0"/>

<input type="hidden" name="oauth_callback" value="about:blank"/>

<input type="hidden" name="oauth_signature" value="hNViVTdVWGYQS4dL8E76rJrRQUg="/>

</form>

</div>

<script language="javascript">

document.ltiLaunchForm.submit();

</script>

2014-06-10 10:47:05 -0700

LtiService: ReRegister ToolProxy with ToolConsumer

POST http://localhost:4000/lti2_tc/tools

Headers:

Authorization: OAuth oauth_consumer_key="acf93780-d2f4-0131-6e78-20c9d07c6451", oauth_nonce="9102772935

Content-Type: application/vnd.ims.lti.v2.toolproxy+json

Content-Length: 5376

X-IMS-EndRegistration-ID: 292ef240-d2f5-0131-6e5f-20c9d07c6451

Body:

```
{ "@context": [ "http://purl.imsglobal.org/ctx/lti/v2/ToolProxy" ], "@type": "ToolProxy", "@id": "ToolProxyProp
```

2014-06-10 10:47:15 -0700

Response: ReRegister ToolProxy with ToolConsumer

Status: 201 Created

Headers:

content-type: text/html; charset=utf-8

content-length: 1

2014-06-10 10:47:19 -0700

LtiService: EndRegistration ToolProxy

POST http://localhost:5100/lti2_tp/end_registration

Headers:

Authorization: OAuth oauth_consumer_key="acf93780-d2f4-0131-6e78-20c9d07c6451", oauth_nonce="7796795763246", oauth_signature_method="HMAC-SHA1", o

Content-Type: application/vnd.ims.lti.v2.toolproxy+json

Content-Length: 236

X-IMS-EndRegistration-ID: 292ef240-d2f5-0131-6e5f-20c9d07c6451

Body:

{"@context": "http://purl.imsglobal.org/ctx/lti/v2/ToolProxyId", "@type": "ToolProxy", "@id": "http://localhost:4000/tools/acf93780-d2f4-0131-6e78-20c9c

2014-06-10 10:47:19 -0700

Response: EndRegistration ToolProxy

Status: 201 Created

Headers:

content-type: application/vnd.ims.lti.v2.toolproxy.id+json; charset=utf-8

content-length: 236

```
{
  "@context": "http://purl.imsglobal.org/ctx/lti/v2/ToolProxyId",
  "@type": "ToolProxy",
  "@id": "http://localhost:4000/tools/acf93780-d2f4-0131-6e78-20c9d07c6451",
  "tool_proxy_guid": "acf93780-d2f4-0131-6e78-20c9d07c6451",
  "disposition": "commit"
}
```

2014-06-10 10:47:31 -0700

LtiMessage: Lti Launch

LaunchUrl: http://localhost:5000/echoes

<div id="ltiLaunchFormSubmitArea">

<form action="http://localhost:5000/echoes" target="_blank"

name="ltiLaunchForm" id="ltiLaunchForm" method="post"

encType="application/x-www-form-urlencoded">

<input type="hidden" name="lti_version" value="LTI-2p0"/>

<input type="hidden" name="lti_message_type" value="basic-lti-launch-request"/>

<input type="hidden" name="resource_link_id" value="329"/>

<input type="hidden" name="user_id" value="2"/>

<input type="hidden" name="roles" value="Administrator"/>

<input type="hidden" name="launch_presentation_return_url" value="http://localhost:4000/admin/course_page?method=show&course_id=5"/>

<input type="hidden" name="launch_presentation_document_target" value="window"/>

<input type="hidden" name="context_id" value="5"/>

<input type="hidden" name="launch_presentation_locale" value="en_US"/>

<input type="hidden" name="context_label" value="DPE001"/>

<input type="hidden" name="context_title" value="Design of Personal Environments 1"/>

<input type="hidden" name="lis_course_section_sourcedid" value="5"/>

<input type="hidden" name="tool_consumer_info_product_family_code" value="LuMoS"/>

<input type="hidden" name="tool_consumer_info_version" value="3.1"/>

<input type="hidden" name="custom_referrer" value="Narcissus"/>

<input type="hidden" name="custom_pi" value="3.14159"/>

<input type="hidden" name="custom_user_primary_email" value="admin@lumos.org"/>

<input type="hidden" name="custom_discipline" value="DPE001"/>

<input type="hidden" name="oauth_consumer_key" value="acf93780-d2f4-0131-6e78-20c9d07c6451"/>

<input type="hidden" name="oauth_nonce" value="9324388362256"/>

<input type="hidden" name="oauth_signature_method" value="HMAC-SHA1"/>

<input type="hidden" name="oauth_timestamp" value="1402422451"/>

<input type="hidden" name="oauth_version" value="1.0"/>

<input type="hidden" name="oauth_callback" value="about:blank"/>

<input type="hidden" name="oauth_signature" value="F/4ycEJa6Cf++jHgBJnsostftNg="/>

Return to Admin

</form>

</div>

<script language="javascript">

document.ltiLaunchForm.submit();

</script>