

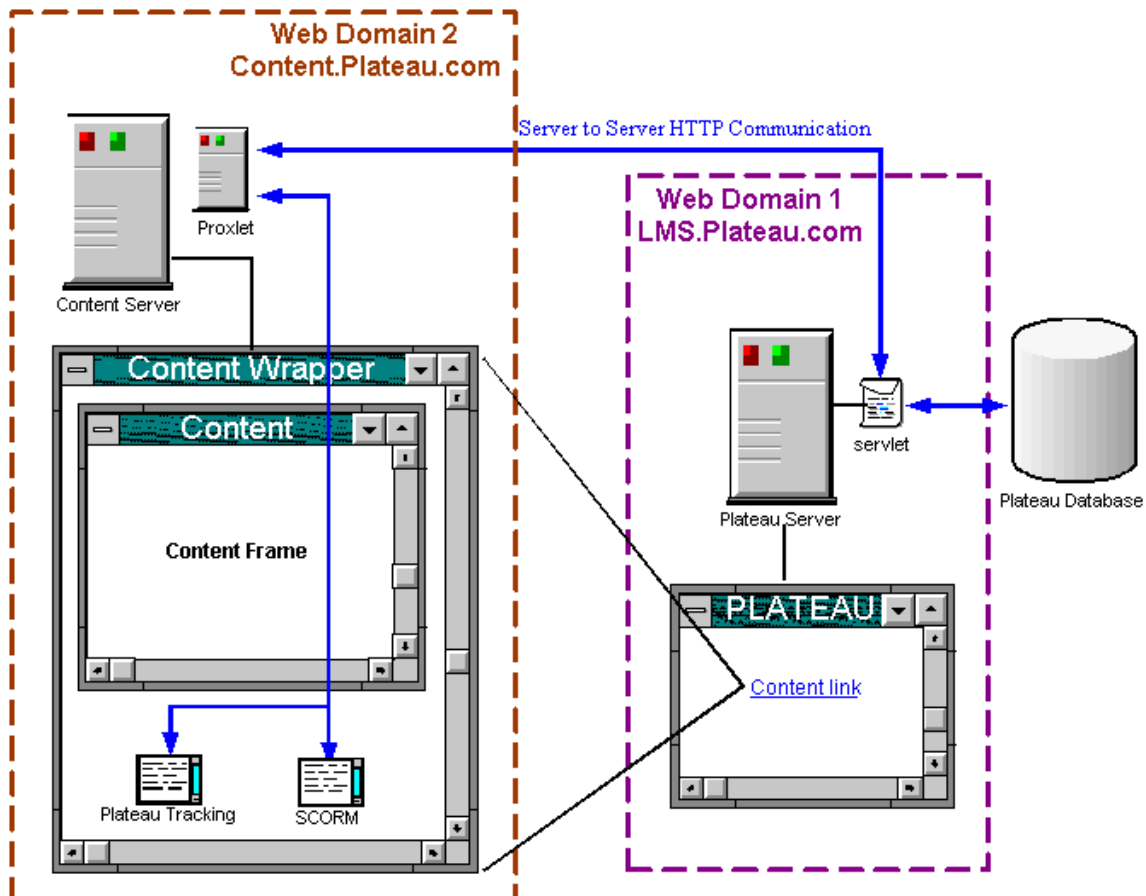
Cross-domain Proxlet Installation Instructions

Plateau contains three client-side APIs which may be used by external content to communicate data to Plateau: the SCORM API, the Plateau Tracking API and the PEXAM API. When content uses one of these APIs for communication, the content must be hosted under the same DNS as the API it is attempting to use. If the content and the API are hosted under separate DNS names, the browser will prevent them from communicating.

As a work around to this restriction, Plateau version 5.5 introduced a solution to deploy these APIs on a content server to make them available to the content. This solution has two main parts.

- Static Wrapper files – These are static files that are deployed as content on your content server. These files are used to load the APIs and make them available to your external content.
- Proxlet – This is a small application that must be deployed under an application server running on your content server. The Proxlet serves as a communication relay between the APIs and the Plateau LMS.

The following diagram outlines the solution:



Deploying the Static Wrapper Files on Your Content Server

The cross domain files may be found in the elms/support/crossdomain.zip file of your Plateau install CD. In the crossdomain.zip file, there is a content.zip file that will need to be extracted and deployed to a web-accessible portion of your content server.

Installing the Proxlet to Your Content Server

The proxlet.war file can be found in the elms/support/crossdomain.zip file of your Plateau install CD. This war file will need to be deployed under an application server which is running on the same content server where the static wrapper files were deployed. Since the Proxlet is a very light-weight application, it may be deployed under Tomcat which may be downloaded free-of-charge from <http://tomcat.apache.org>. Though the Proxlet may be deployed under other application servers, the following install instructions assume Tomcat is being used.

1. Download Tomcat 5.x - <http://tomcat.apache.org/download-55.cgi>
2. Install/extract Tomcat to your content server.
3. You may need to configure the port for Tomcat. The default value is 8080 which may conflict with other applications on your server. You can change the port in the **/conf/server.xml** file.

```
<!-- Define a non-SSL Coyote HTTP/1.1 Connector on port 8080 -->
<Connector port="8080"
maxThreads="150" minSpareThreads="25" maxSpareThreads="75"
enableLookups="false" redirectPort="8443" acceptCount="100"
debug="0" connectionTimeout="20000"
disableUploadTimeout="true" />
```

4. The server will need to have a SUN JDK installed and a JAVA_HOME environment variable defined (JDK 1.4 for v.5.0 and JDK 5.0 for v.5.5). The SUN JDK may be downloaded from <http://java.sun.com/j2se/downloads>
5. Place the proxlet.war (from the elms/support/crossdomain.zip file on your install CD) under the **/webapps** directory of Tomcat.
6. Start tomcat using the **startup.bat** file under the **/bin** directory.
7. Test the proxlet by hitting the following for your content server - <http://myContentServer.com:8080/proxlet/CrossDomainProxlet> (you will need to update this url to point to your content server).

Configuring the Solution in Plateau

Login to Plateau Administrator and go to **System**

Admin>Configuration>SystemConfiguration>LMS_ADMIN

Edit the following under the **CommunicationCrossDomainSupport** section of the **LMS_ADMIN** configuration.

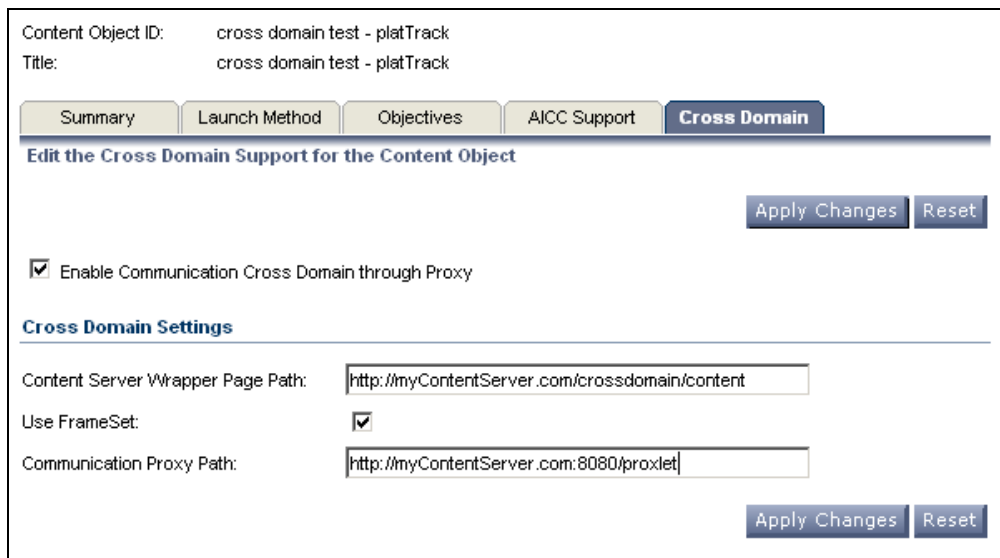
- Set **CommunicationCrossDomainSupport** enabled to "true"
- Add the address of the static wrapper files under **DefaultContentServerPath**. This should be the path to the folder containing the **main_content_wrapper.html** file.
- Add the address to proxlet under **DefaultProxletPath**. You must use the same server name, IP, or DNS you used under "DefaultContentServerPath"

** Please note these are default values which may be overridden for individual content objects or questions.

```
<CommunicationCrossDomainSupport enabled="true">
  <ContentWrapper>
    <!-- The DefaultContentServerPath specifies the URI path where the lms support -->
    <!-- files required by content reside on the content server. -->
    <DefaultContentServerPath>http://myContentServer.com/crossdomain/content
  </DefaultContentServerPath>
  <ContentWrapperPage name="main_content_wrapper.html" />
  <ExternalURLQuestionWrapperPage name="main_question_wrapper.html" />
  <ContentOpenerPage name="main_content_opener.html" />
</ContentWrapper>
<!-- The DefaultProxletPath specifies the URI Path to Cross Domain Proxlet. -->
<!-- This path does not include the Servlet Alias. -->
<DefaultProxletPath>http://myContentServer.com:8080/proxlet</DefaultProxletPath>
</CommunicationCrossDomainSupport>
```

Configuring Content Objects to Use the Solution

Simply create your content object as you normally would. If the launch type is specified as Browser or SCORM, the Cross Domain tab will be enabled. Edit the Cross Domain tab to apply the solution.



Content Object ID: cross domain test - platTrack
Title: cross domain test - platTrack

Summary Launch Method Objectives AICC Support **Cross Domain**

Edit the Cross Domain Support for the Content Object

Apply Changes Reset

☒ Enable Communication Cross Domain through Proxy

Cross Domain Settings

Content Server Wrapper Page Path:

Use FrameSet: ☒

Communication Proxy Path:

Apply Changes Reset

1. Check the **"Enable Communication Cross Domain through Proxy"** box.
2. The default values from the LMS_ADMIN configuration should auto-populate to the page. You may update these values if you wish.
3. The **"Use FrameSet"** checkbox will toggle between having the content launched in a wrapper frameset or launched into its own window from an opener page. It is recommended that the frameset be used unless the content does not run well when launched under a frameset.