TECHNICAL INTEGRATIONS

CPM Educational Program

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LMS Integration

![CPM logo] CPM Educational Program

CPM Process

To integrate CPM and your district's Learning Management System (LMS), start with the process on this page. It creates the Consumer Key and Shared Secret information that you need when integrating with Schoology, Canvas, or Buzz.

Start by logging into https://els.cpm.org and either Schoology, Canvas, or Buzz in different browser window or tab.

1. Sign in to the CPM eBook License System at https://els.cpm.org. Access the CPM eBook Admins menu and choose the **LTI Key** menu option.
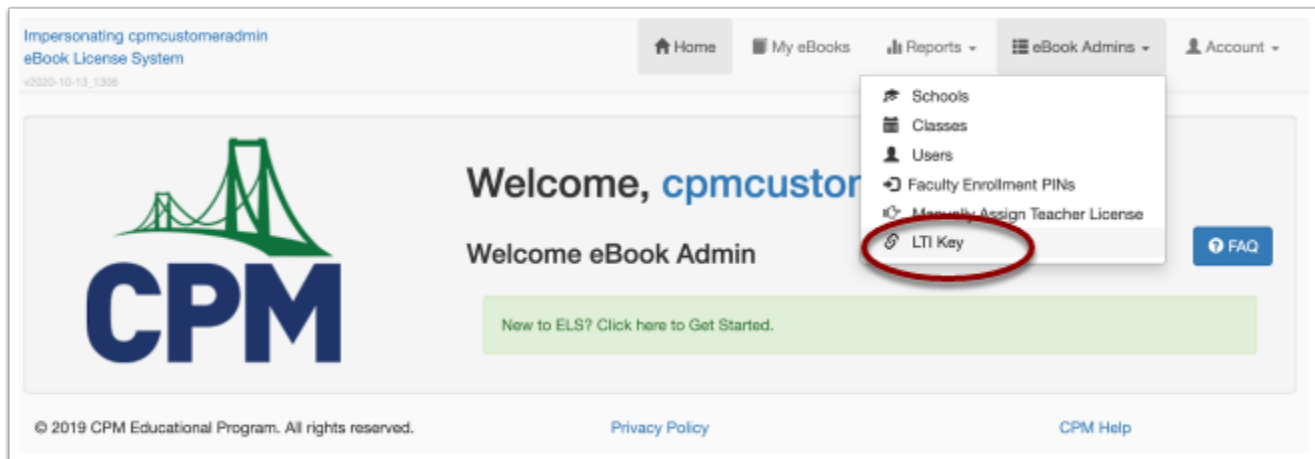
2. The LTI Key page shows that you haven't yet set up integration. Click **Create LTI Consumer Key/Secret**.

3. The LTI Key page provides a Consumer Key and Consumer Secret for you to use when integrating CPM with Schoology or Canvas.

CPM Educational Program
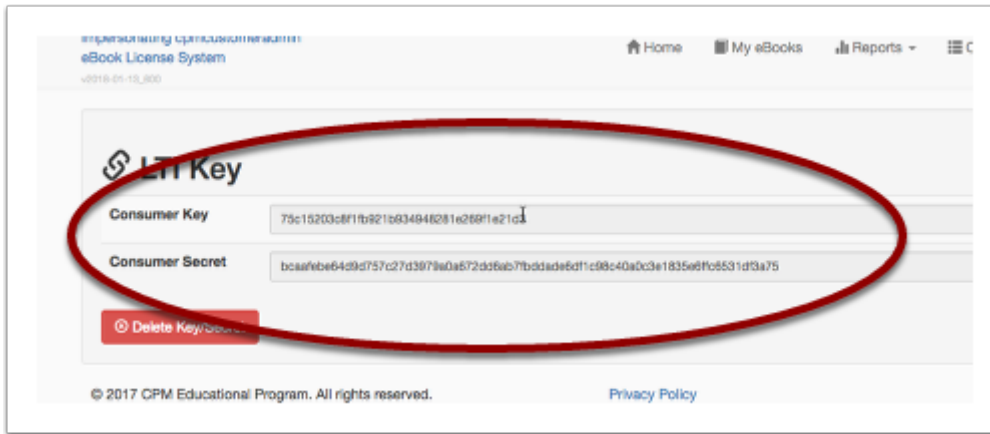
Schoology Process

Use the process on this page to integrate your district's Schoology LMS with CPM.

IMPORTANT: Before you start these steps, first perform the CPM Process (link) steps. That process creates the Consumer Key and Shared Secret information that you will enter in Schoology.

Open a browser and log into Schoology if not already logged in. If needed, start by creating the course you need in Schoology.

1. From the Course window

Access the Course Options menu and click **External Tool Providers**. In the popup, click **Add External Tool Provider**.
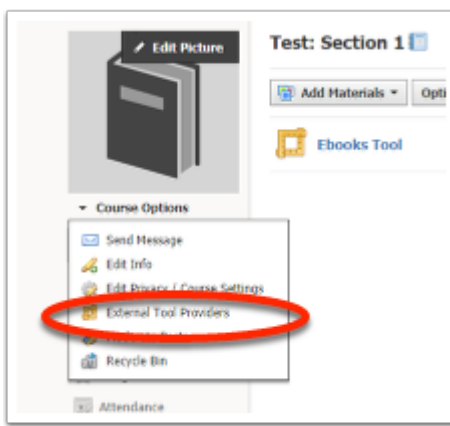
> 💡 **If adding at a system wide level Go here instead:**
>
> 1. As a System Administrator, go to System Settings > Integration > External Tools.

2. Fill out the Add External Tool Provider form as follows:

- Tool Name: **CPM eBooks**
- Consumer Key: Paste in the Consumer Key
- Shared Secret: Paste in the Shared Secret
- Privacy: **Send Name and Email/Username of user who launched course**
- Configuration Type: **Manual**
- Match By: **URL**
- Domain/URL: https://lti.cpm.org/
- Custom Parameters: leave blank

    Click **Submit**.

3. Make CPM eBooks accessible

1. Schoology returns to the Course page. To make CPM eBooks accessible for that course, click **Add Materials** and choose **Add File/Link/External Tool**.
2. In the popup, choose **External Tool**.
3. In the Add External Tool window, open the Tool Provider dropdown. Choose the Tool Provider name that you set in step 2 (CPM eBooks). The other fields in the window fill in automatically.
4. Click **Submit**.

Now when teachers and students access the course, the CPM eBook will be available in Schoology. Access will be seamless.

Canvas Process

Use the process on this page to integrate your district's Canvas LMS with CPM.

IMPORTANT: Before you start these steps, first perform the CPM Process (link) steps. That process creates the Consumer Key and Shared Secret information that you will enter in Canvas.

Open a browser and log into Canvas if not already logged in. If needed, start by creating the course you need in Canvas.
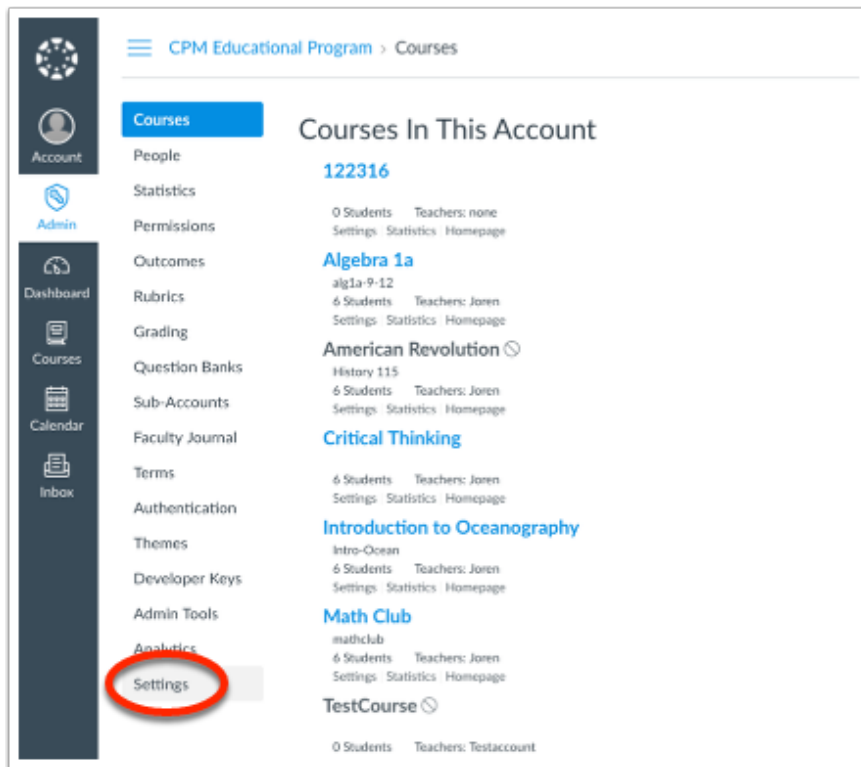
1. Canvas setup - Admin

1. Click Admin.
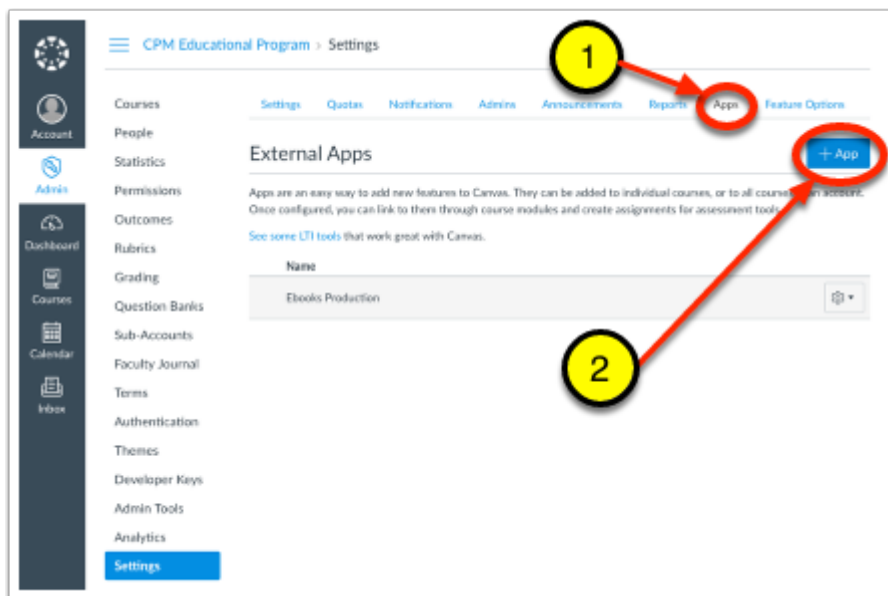2. Click the link with the name of your school/district.
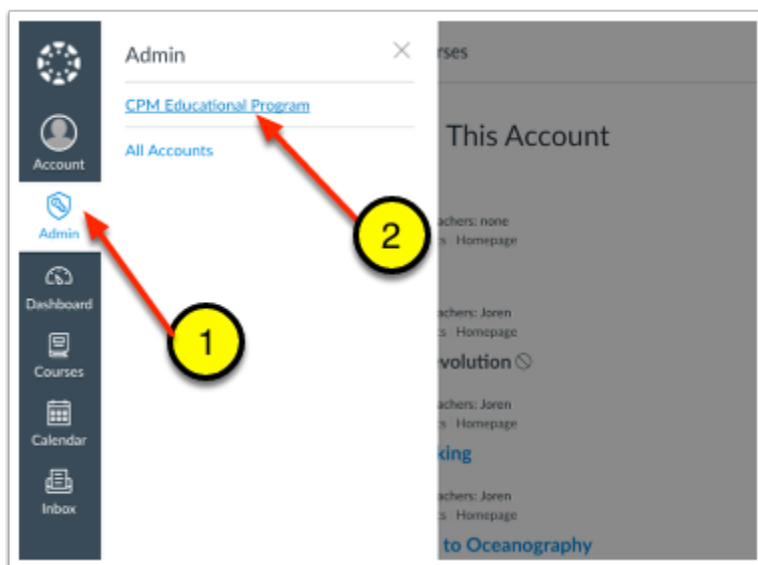
2. The window lists courses available.

Click Settings.

3. Next, add the CPM app.

1. Click the Apps tab.
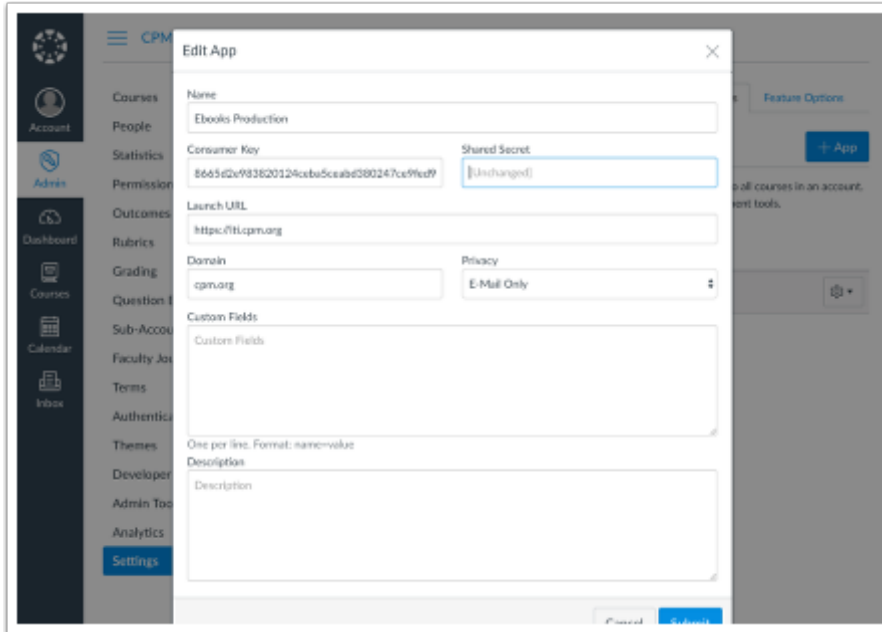2. Then click **+App**.

4. In the Edit App window, fill in the following:

- Name: Name the tool you are adding. Suggested name: **CPM eBooks**. (This name displays in step 9.)
- Consumer Key: Paste in the Consumer Key
- Shared Secret: Paste in the Shared Secret

- Launch URL: **https://lti.cpm.org**
- Domain (optional): **cpm.org** (or leave blank)
- Privacy: **E-Mail Only**
- Custom Fields: leave blank
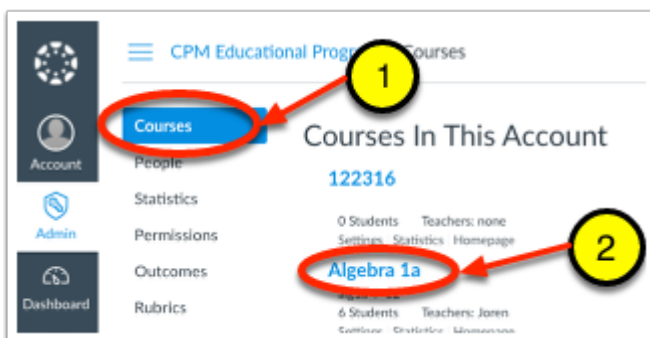- Description: leave blank

Click **Submit**.

## 5. Next, add the CPM eBooks Production tool to courses where it needs to be available.

1. Click **Courses.**
2. Then click the link for a course that needs the tool.

💡 If you are a teacher, and an administrator has already set up the tool for the district/school, skip ahead to step 8.

6. If needed, create a new module in Canvas where you will add the tool. You

can also add the tool to existing modules.
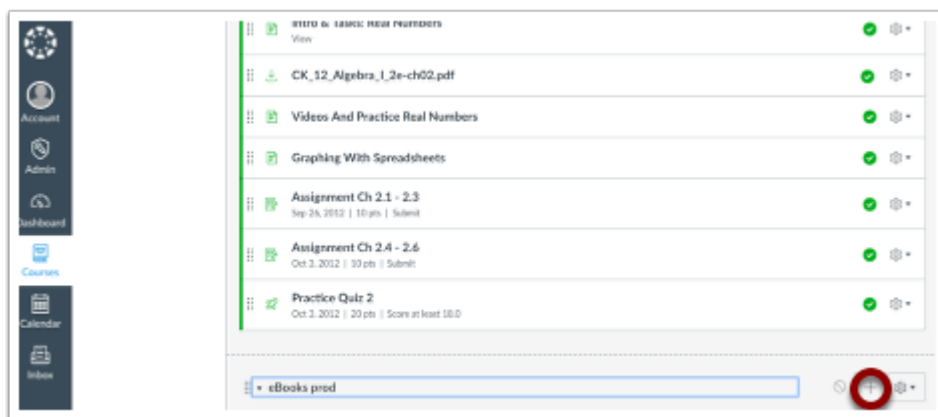
7. On the Modules page, find the module where you will add the tool.

Click **+**. This is the **Add Tool** button for the module. The Add Item window opens.

1. At the top of the window, open the dropdown list and choose External Tool.
2. Select the tool you are adding from the list that displays (the tool shown here is "Ebooks Production"). The URL and Page Name fill in automatically. Click **Add Item**.
3. Click Add Item. The window updates automatically.
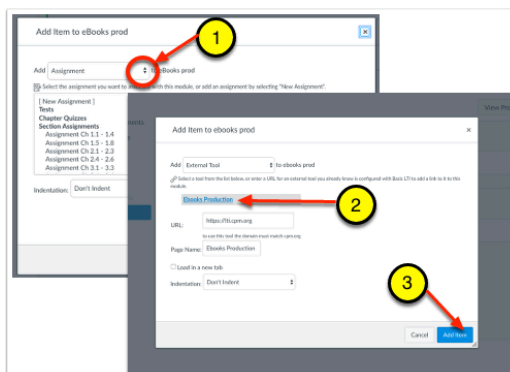
ℹ️ Now CPM material is available for students and teachers within Canvas for the chosen course.

8. Repeat steps 5-7 for every course that needs the tool.

Buzz Process

Use the process on this page to integrate your district's Buzz LMS with CPM.

IMPORTANT: Before you start these steps, first perform the CPM Process (link) steps. That process creates the Consumer Key and Shared Secret information that you will enter in Buzz.

Open a browser and log into Buzz if not already logged in. If needed, start by creating the course you need in Buzz.

Agilix Help Center:

- How do I integrate Turnitin (and other LTIs) with Buzz?
  Easily integrate Turnitin and other LTIs. Open the vertical menu in the toolbar of Domain Details. Select Domain Settings. On the LTI 1.1 tools card, click Add.
- How do I create activities with Learning Tools Interoperability (LTI)?
  LTI specification establishes a way to integrate external learning applications, like Turnitin and ALEKS, with Buzz.

Roster Integration

Automated Roster Sync / eBook Licensing

Who is this for?

School or District personnel responsible for administrating the creation of CPM user accounts and provisioning of eBook licenses.

Overview

CPM supports automated rostering and licensing of eBooks via the OneRoster API. Using CPM's wizard interface, automated roster sync can be set up in as little as 15 minutes.

Step 1: Check that your SIS supports OneRoster

OneRoster 1.1 API is the industry standard for secure sharing of enrollment information with authorized educational service providers. *Aeries, Infinite Campus, PowerSchool Unified, Skyward,* and *Synergy* are examples of SIS systems that support using the API integration method. CPM also supports *PowerSchool's* native API.

Some districts SIS systems may not support OneRoster 1.1 API. Many have adopted *ClassLink*, which adds OneRoster support to virtually every SIS system.

Step 2: Get OneRosterSync credentials and set sharing settings

Each SIS system has a different process for enabling access, but in the end they all will provide a OneRoster Base URL, Consumer Key, and Consumer Secret. On some systems you may also need to individually select which data sections you wish to share.   CPM will need access to the organizations, academic schedules, courses, teachers and students.   Typically this needs to be completed by the district tech admin.

Step 3: Use CPM's wizard interface to configure automated roster and license sync

The configuration wizard can be completed by non-technical staff provided you you have the credentials from step 2. You must be an eBook administrators with escalated privileges, which you can request by emailing support@cpm.org

Integration wizard is located at: https://rosterfeed.cpm.org

Video walk through

Watch the quick 3 minute Walkthrough Video

Step by step instructions

Entering Credentials

The integration wizard for API based rostering is located at rosterfeed.cpm.org. To gain access CPM administrators can contact CPM at support.cpm.org.

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To get started you will need three key data points:

1. The full URL of your OneRoster API server. This includes:
    a. The https protocol.
    b. The domain name.
    c. Attributes in the route specifying which version of API standard.
2. The client ID, also know as the public key.
3. The client secret.

If you do not have this information, please request it from your district administrator.

Once ready click save.

A green notification indicates your credentials have been validated and you are ready to click on the next button.

Specifying Schools to be Processed

1. To include a school, click on the + sign.
2. To remove a school, click on the delete icon.
3. Once finished click next.

Specifying Courses to be Processed

1. To include a course, click on the + sign.
2. To remove a course, click on the delete icon.
3. Once finished click next.

Assigning eBooks to Courses

1. Use the arrow below each course to view and select the appropriate eBook.
2. Once finished click finish.

Enabling Automated Rostering

Only enable when you are ready to go live. Once enabled the automated rostering process will replace any existing eBook license assignments you currently have with the incoming data from your OneRoster API server.
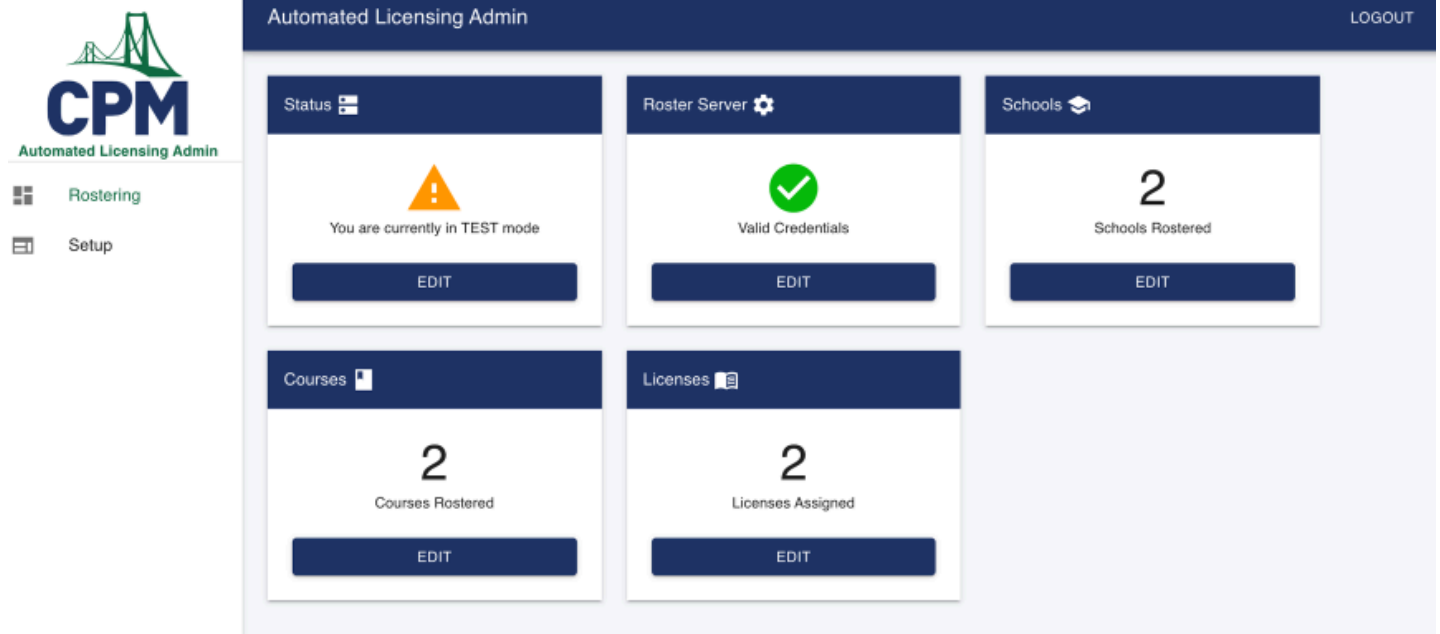
1. To remain in setup mode select no, or
2. to enable automated rostering select yes.

Dashboard

You can go live or change any other setting from the dashboard.

Step 4: Checklist review with CPM (if needed)

CPM integration support specialist are available for a 30 minute checklist review meeting prior to turning on rostering.   During this meeting the integration specialist will walk through with you the configuration settings and answer any questions you may have.   To schedule a meeting email support@cpm.org.

The most common final checklist item is to ensure that the existing data is "clean".   Automated roster syncing requires that the format of the incoming records matches the format of the existing accounts, otherwise duplicates or conflicts can occur.   CPM can perform the most typically cleanup in bulk for you during this meeting.