

vCampus **Live! 2012**

YouTube and other crafty PI AF applications

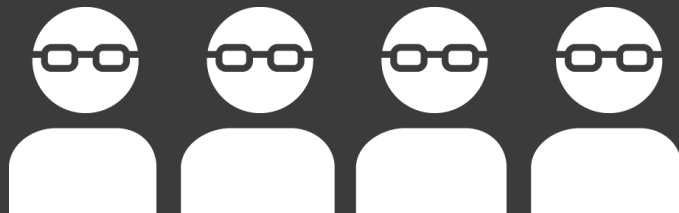
Presented by **Stuart Collins & Andrew Resch**



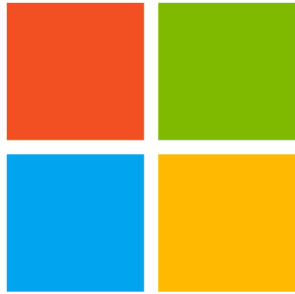


vCampus **Live! 2012**

WHERE PI GEEKS MEET



Platinum Sponsor



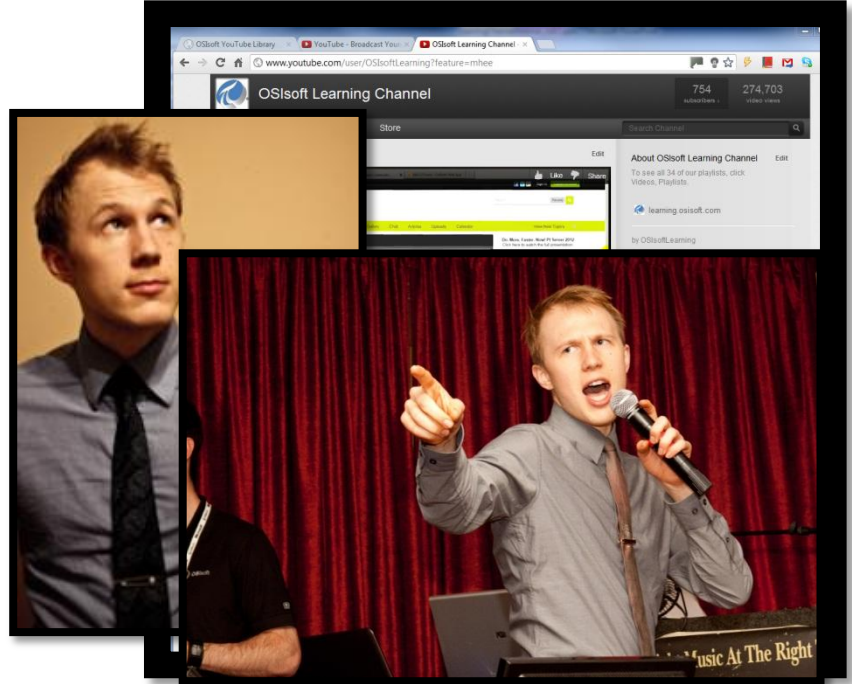
Microsoft



Andrew Resch
Learning Group Intern

YouTube Learning Channel!

Stuart Collins
eLearning Specialist



OSIsoft Learning <3 YouTube

Teaching as simple as sending a URL

The image illustrates a three-step process for sharing a video:

- Search:** A screenshot of a YouTube search results page for "osisoft asset relative display". A teal box labeled "Search" highlights the search bar. A green box highlights the video "OSIsoft: Exercise PI Coresight Asset Relative Display".
- Copy:** A screenshot of the video player page. A green box highlights the URL in the address bar: www.youtube.com/watch?v=bUOW1yVBLnk. A teal box labeled "Copy" is positioned over the video player.
- Paste:** A screenshot of an email composition window. A teal box labeled "Paste" highlights the pasted URL in the email body: <http://www.youtube.com/watch?v=bUOW1yVBLnk>. A teal box labeled "Send" is positioned over the "Send" button in the email client's toolbar.

Green arrows indicate the flow of information: from the video search results to the video player, and from the video player's URL to the email body.

OSIsoft Learning <3 YouTube

Our auto-teaching robot!

Servers, Distribution, Search, Transcripts, etc

However...

YouTube is built to share videos

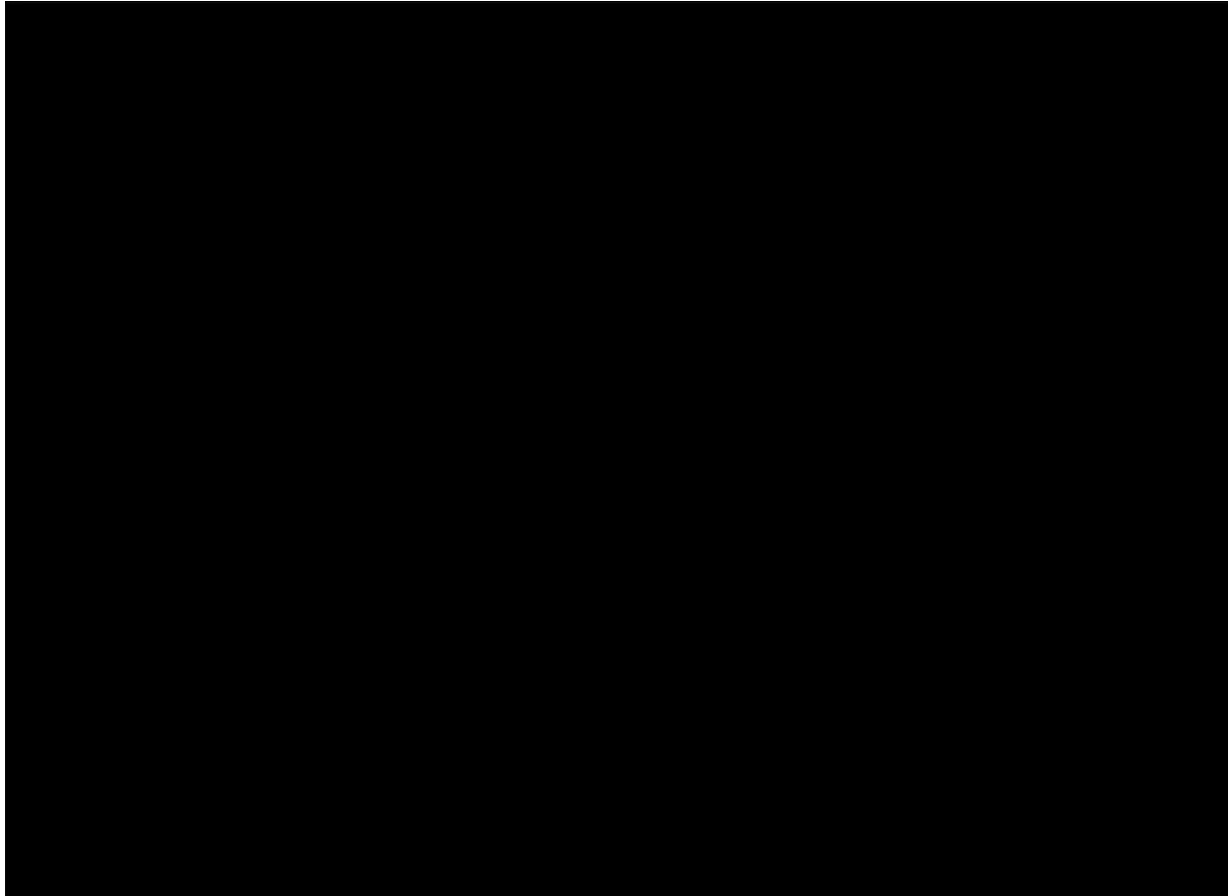
*...**not** to manage 1000+ video library*



DEMO



Upload a Video & Build a PI AF Element



Enterprise Data Projects <3 PI AF SDK

We answered an **internal OSIsoft data challenge** with PI AF SDK

We invite you to ***tackle your data challenge*** with the PI AF SDK

Start your PI AF project:

- *Articulate the **Purpose***
- *Sketch a **Plan***
- ***Research** PI AF ability*
- *Aim for **Early Usefulness***

What do you want First?

*I want **Metadata in PI AF** so that I can easily keep track of the metadata of video with PI tools*

*I want A class handling authentication so that I can **download password-protected user information***

*I want final video production **.mp4 files stored on a network drive** so that I can access and edit them later if needed*



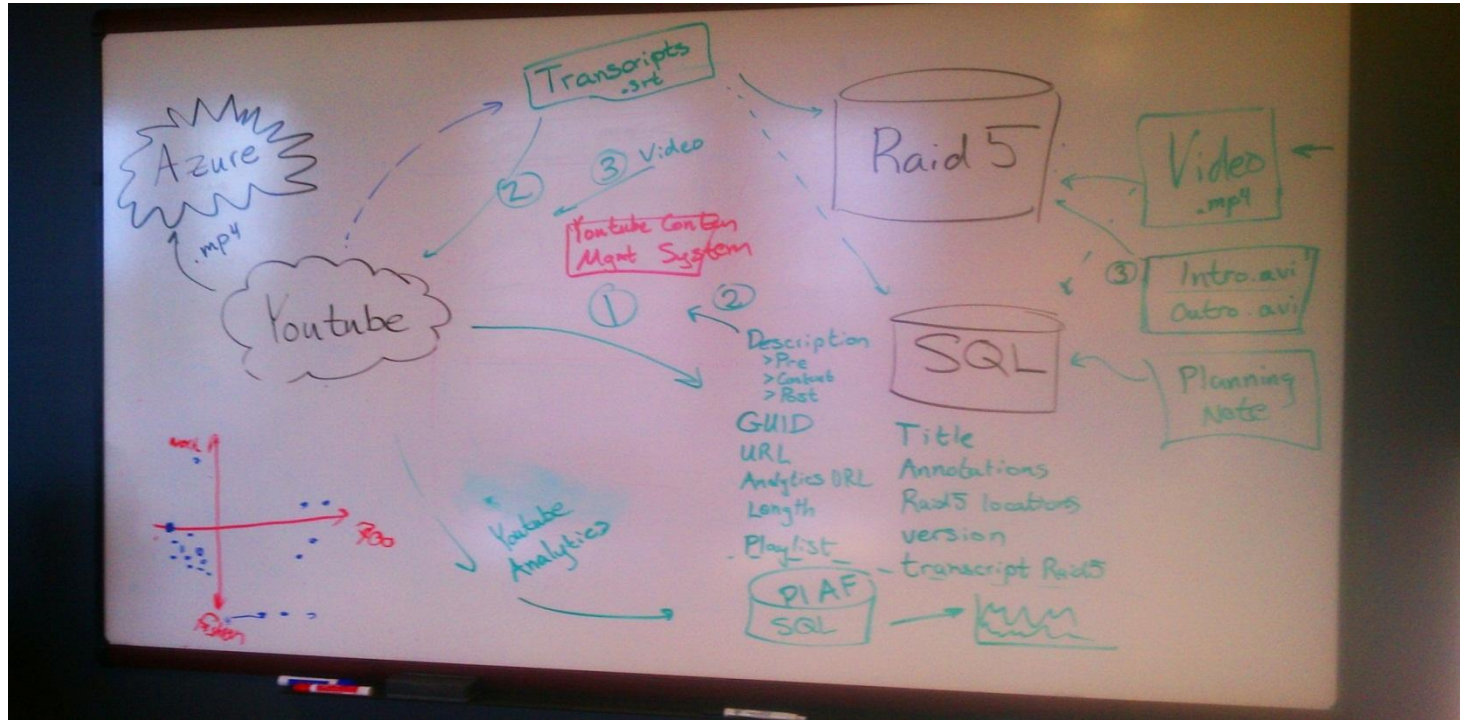
DEMO



so that I can easily


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Go Plan It Out!



You *don't* need to get it right

Can PI AF do it?



| | Database: <ul style="list-style-type: none">• SQL• PI AF | App hosting location: <ul style="list-style-type: none">• Desktop• IIS server• RDP server | UI: <ul style="list-style-type: none">• Win Form• Web App• PI Clients | Language: <ul style="list-style-type: none">• C#• others |
|--------------------------------|---|---|---|---|
| Daily YT sync | | | | |
| Bulk YT metadata edits | | | | |
| Write to Raid5 | | | | |
| .mp4 splicing | | | | |
| YT Video-Playlist relationship | | | | |
| YT Analytics to PI System | | | | |
| TY Playlist history | | | | |

Go Ask an Expert!
(hint: vCampus)

What PI AF SDK did for us [partial list]

- Create PI AF Templates for ‘Videos’ & ‘Playlists’
- Created Elements for Playlist and Video
- Created PI Tags
- Backfilled data to PI Tags
- Track YouTube serial numbers
- Track Languages
- Bank network storage locations
- Expose data to PI Coresight

What can it do for you?
(hint: vCampus)

Make the Project's 1st Iteration Useful:

YouTube

Google API

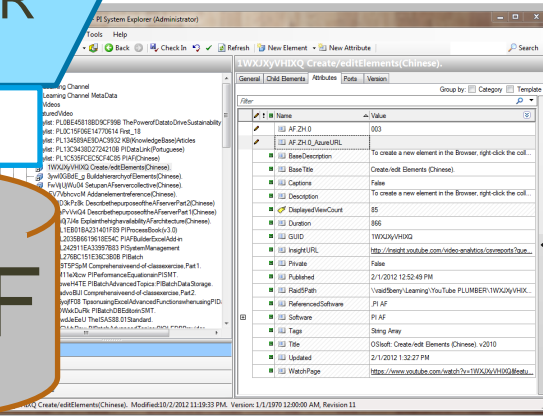
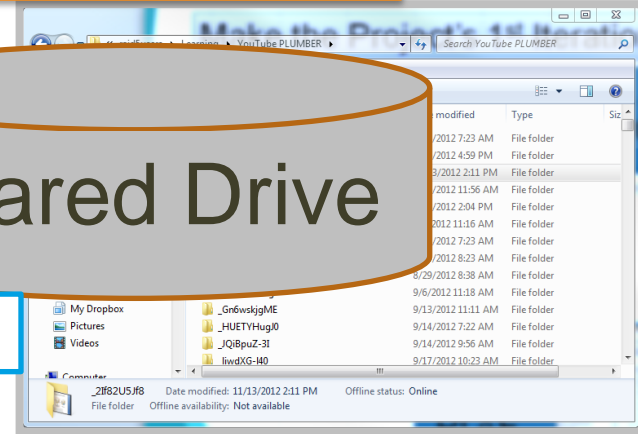
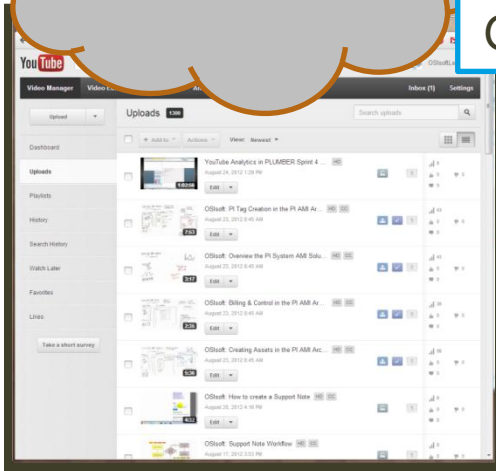
C# Libraries

PLUMBER

PI AF SDK

PI AF

Shared Drive



Build your PI AF project:

- *Revisit the **Plan***
- ***Refine** PI AF use*
- *Add **Iteratively***

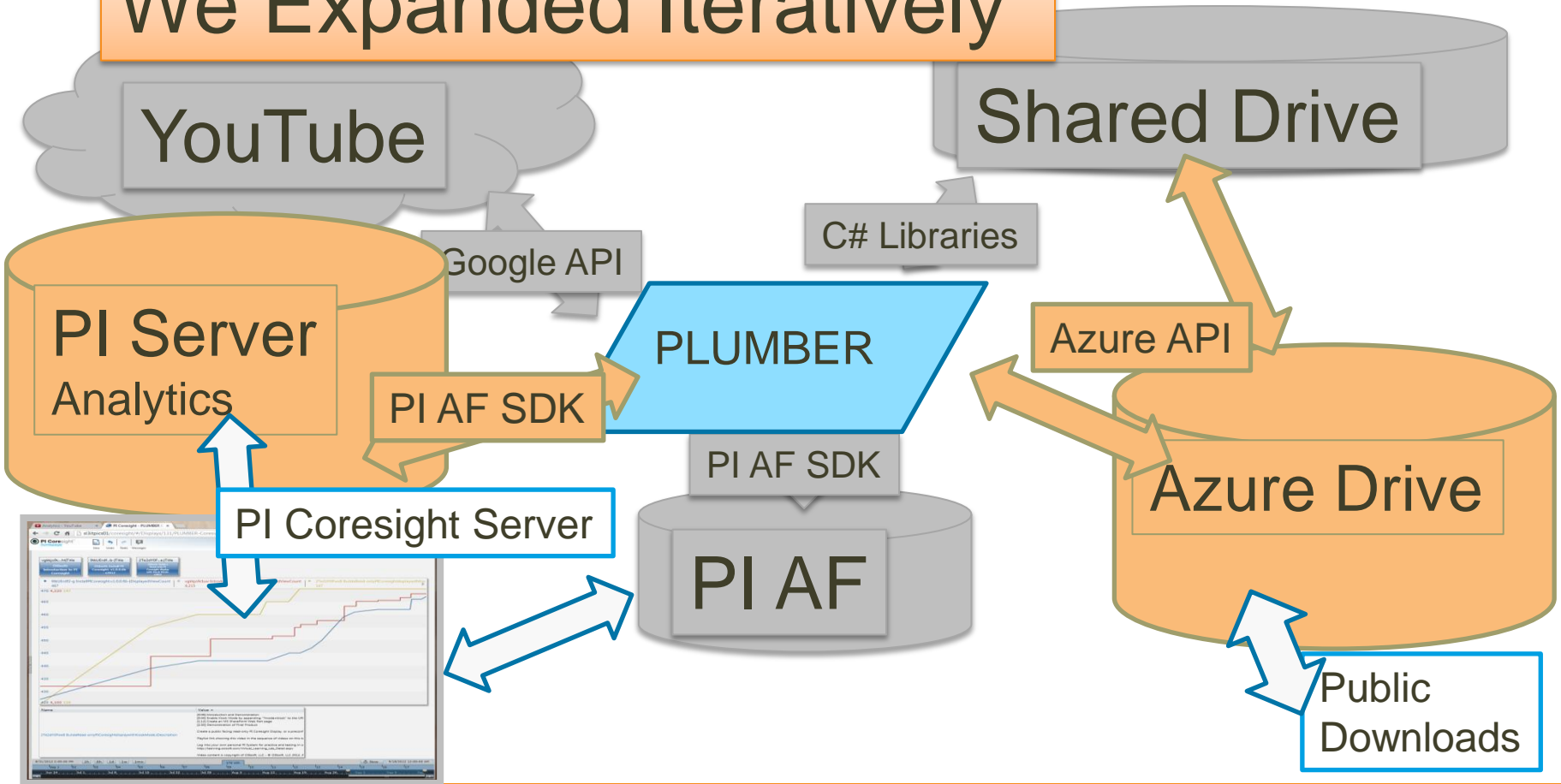


DEMO





We Expanded Iteratively



Can PI AF SDK do it?

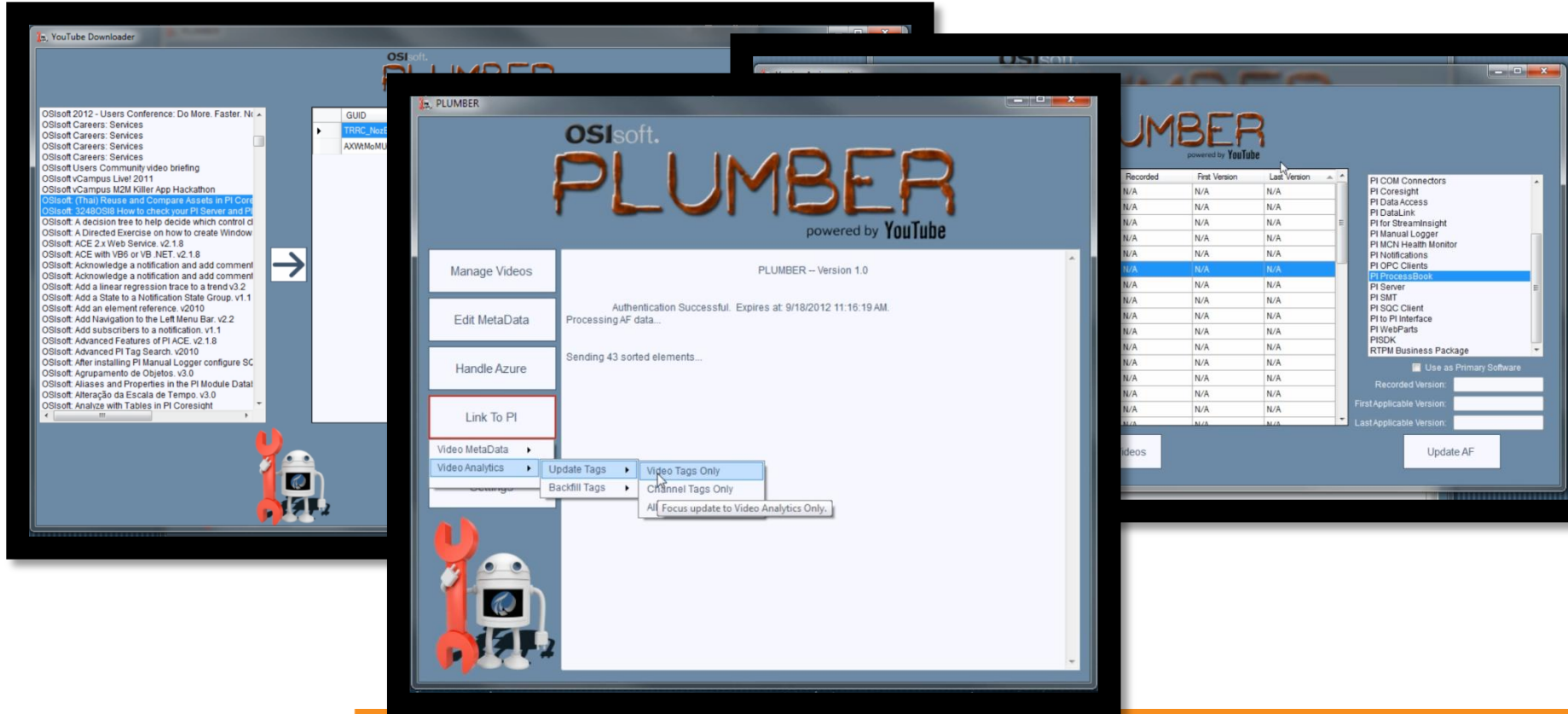
The screenshot shows the OSisoft vCampus website interface. At the top, there's a navigation bar with links like 'Library', 'Discussion Hall', 'Auditorium', 'Bloggers' Place', 'Training Center', 'Download Center', and 'Live!'. Below this, the 'AF SDK DEVELOPMENT' forum is displayed. It has tabs for 'All Recent', 'Unanswered', 'Unread', and 'Your Discussions'. The forum lists several topics with their latest posts and reply counts:

| TOPIC | DATE | REPLIES |
|--|--|---------|
| PI AF Builder - feature requests | Latest post by Steve Kwan Mon, Nov 19 2012 9:45 AM | 7 |
| Delete Weak Reference Type element in C# | Latest post by John Messinger Tue, Nov 13 2012 1:36 PM | 1 |
| SQL Settings for large AF Collections | Latest post by Paul Combellick Tue, Nov 13 2012 8:54 AM | 5 |
| Exploring AF 2.5 new AFAttributeList.GetPIPoint | Latest post by Rick Davin Fri, Nov 9 2012 1:53 PM | 6 |
| AF SDK Programming Reference.chm file corrupted? | Latest post by Emilio Sancha Herrera Wed, Nov 7 2012 2:27 AM | 16 |
| AF SDK Object Model | Latest post by Chris Manhard Tue, Nov 6 2012 5:34 AM | 3 |

On the right side, there are sections for 'OPTIONS' (Start a New Thread, Email subscribe to this forum, Subscribe via RSS, Mark all read, Favorite this forum) and 'POPULAR DISCUSSIONS' (PI AF Builder - feature requests, Delete Weak Reference Type element in C#, SQL Settings for large AF Collections, Exploring AF 2.5 new AFAttributeList.GetPIPoint).

Go Ask an Expert! *(hint: vCampus)*

The Final Iteration of PLUMBER



PI AF SDK Application as Enterprise Data Infrastructure

- Articulate the **Purpose**
- Sketch a **Plan**
- **Research** PI AF ability
- Aim for **Early Usefulness**

- Revisit the **Plan**
- **Refine** PI AF use
- Add **Iteratively**

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THANK YOU

