OSIsoft.

vCampus Live! 2012

YouTube and other crafty PI AF applications

Presented by **Stuart Collins & Andrew Resch**

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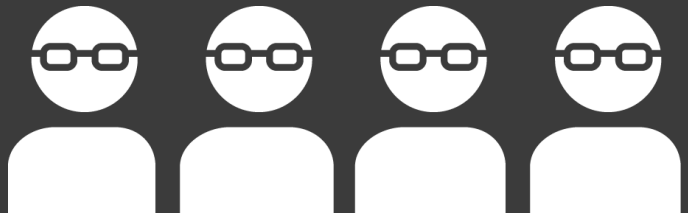
vCampus Live! 2012

WHERE PI GEEKS MEET



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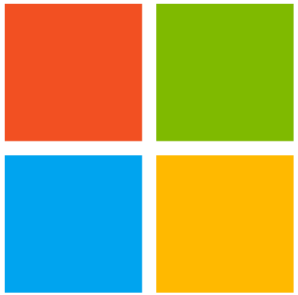
Platinum Sponsor



Microsoft

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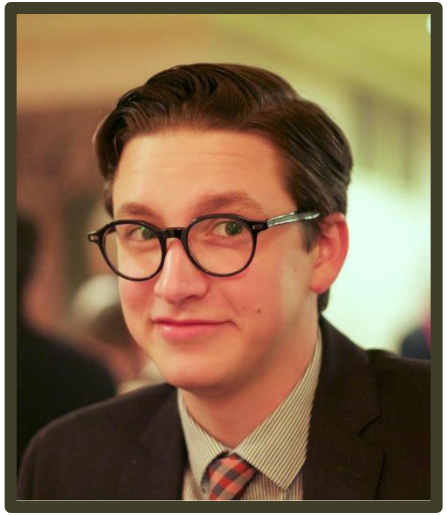


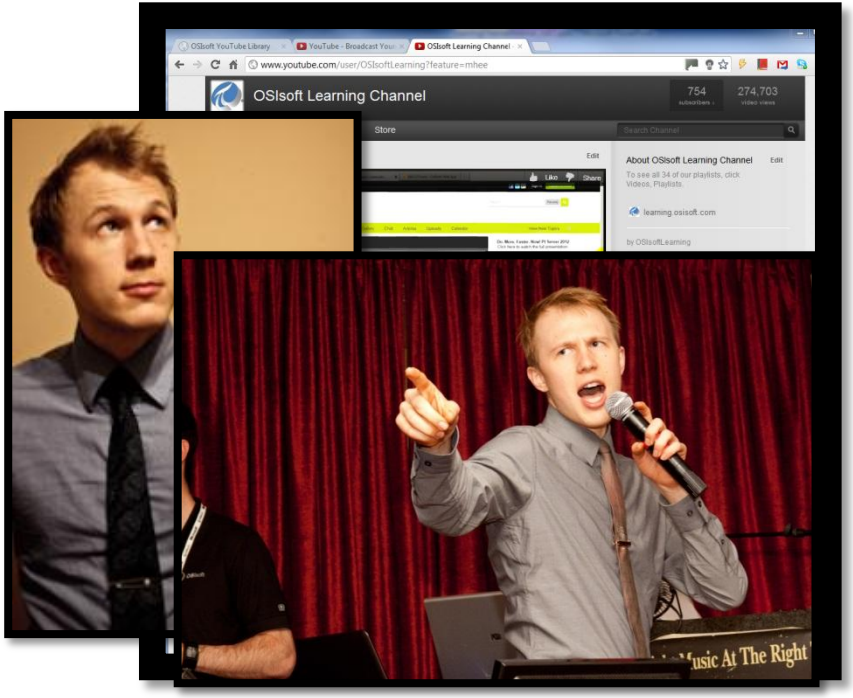
Andrew Resch

Learning Group Intern

YouTube Learning Channel!

Stuart Collins

eLearning Specialist



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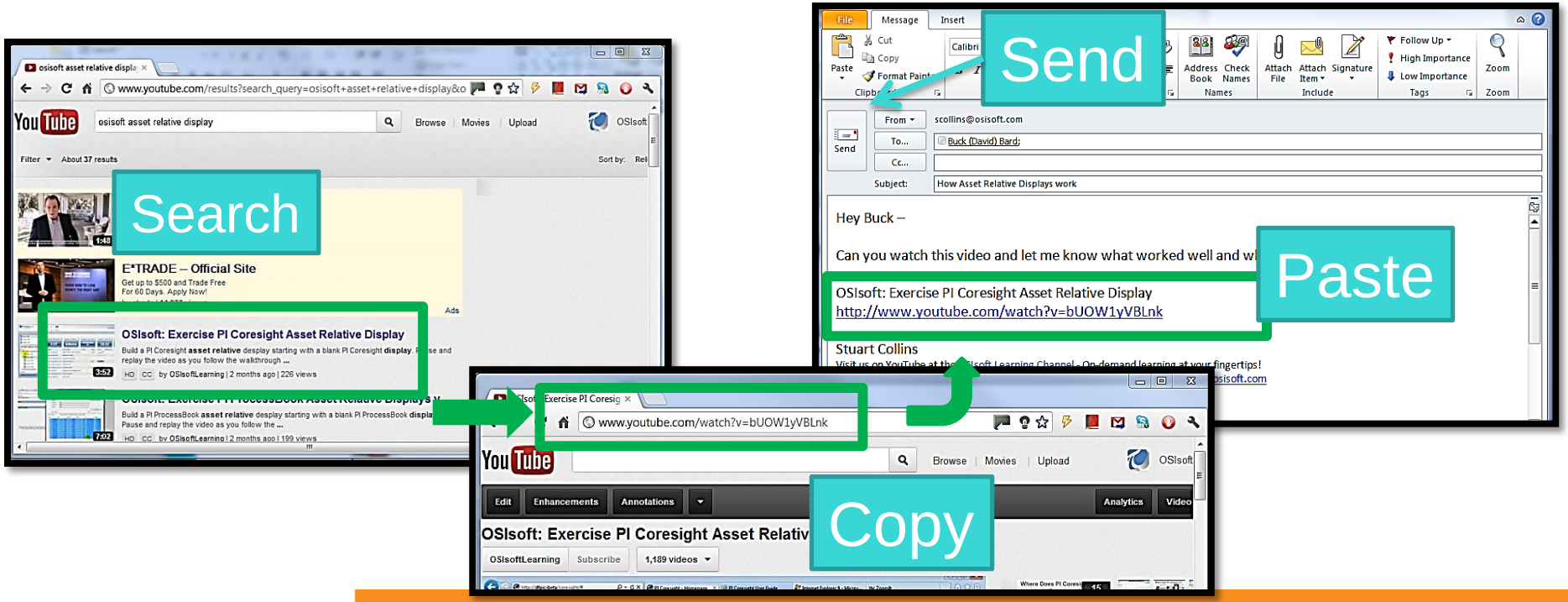
OSIsoft Learning <3 YouTube

Teaching as simple as sending a URL



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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*

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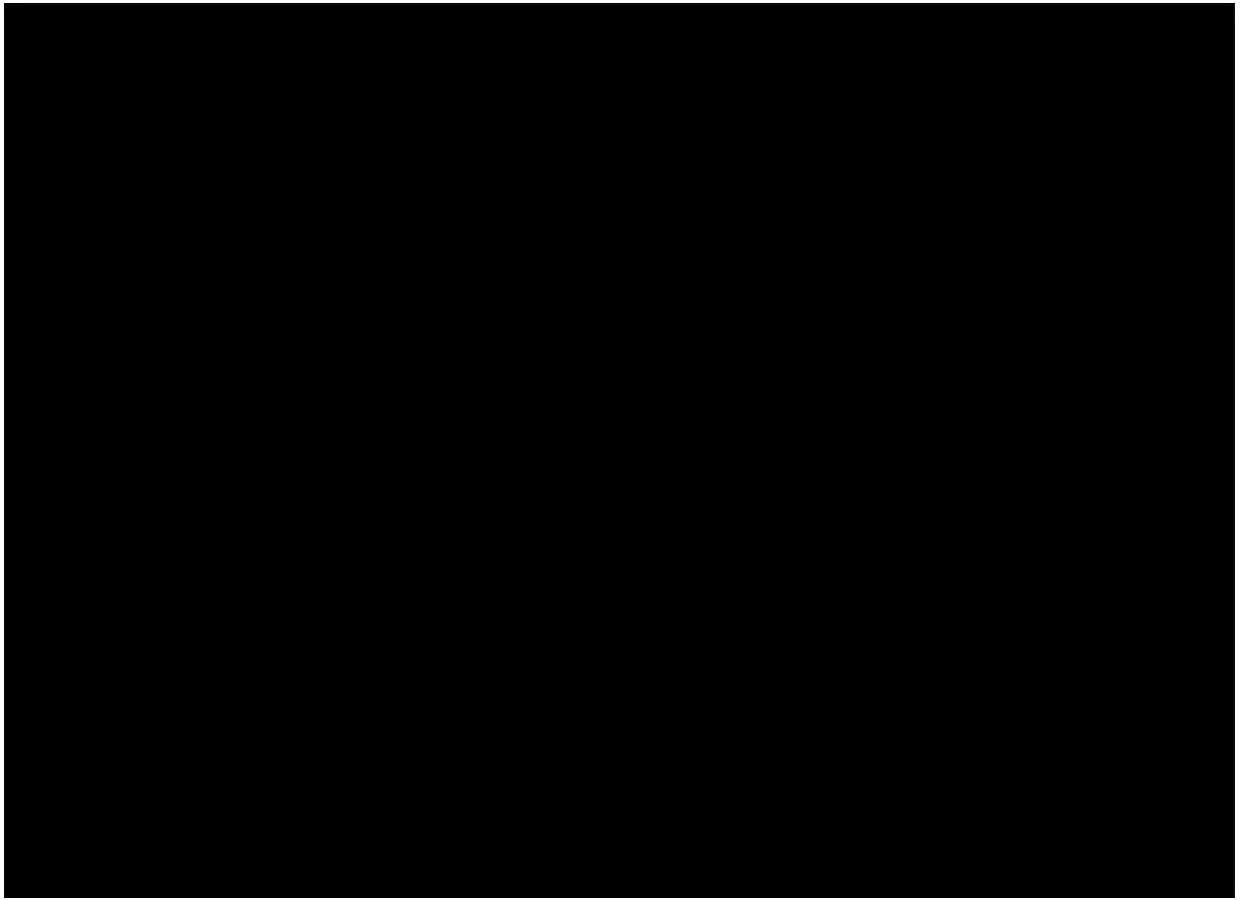
Upload a Video & Build a PI AF Element



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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

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Start your PI AF project:

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

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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*

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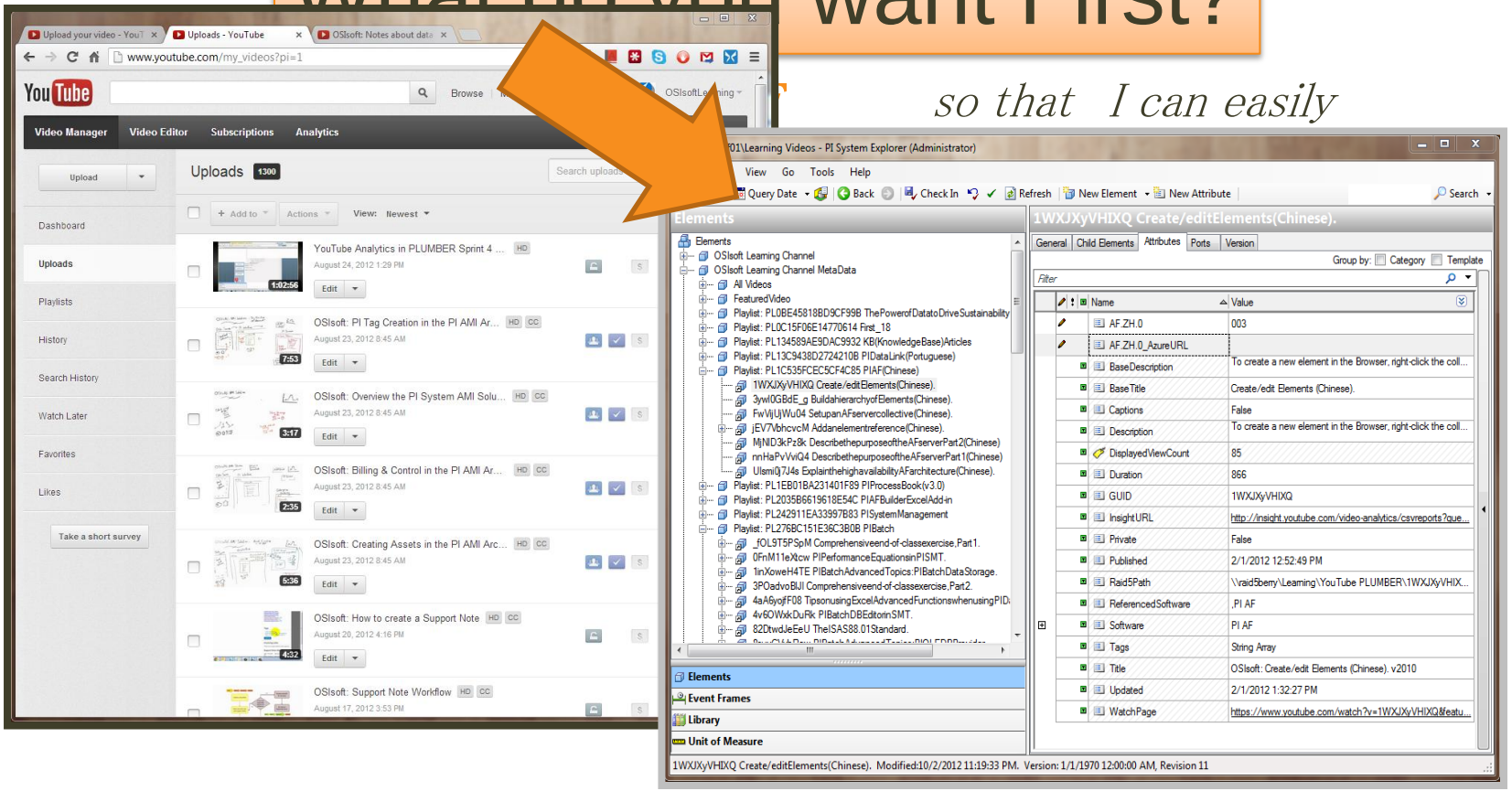
What do you want First?

so that I can easily



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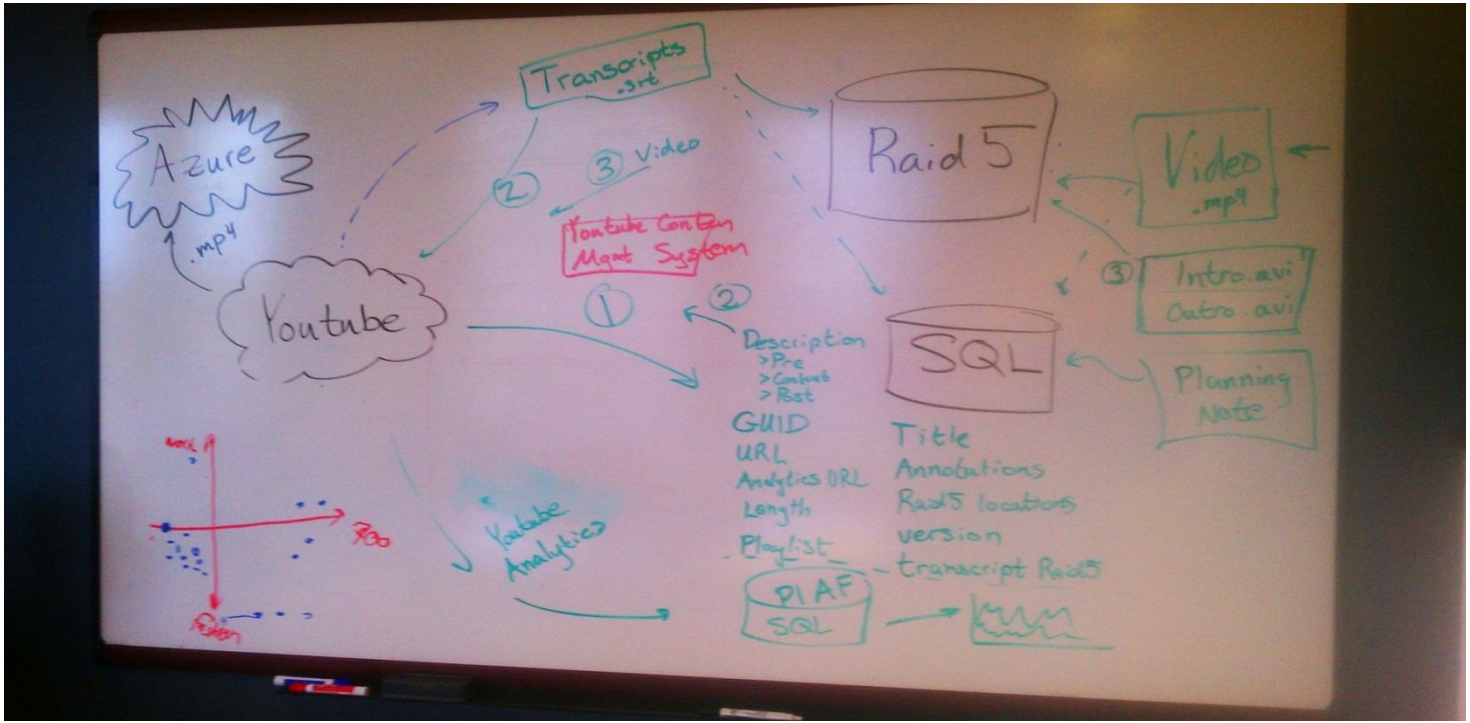
Go Plan It Out!



You *don't* need to get it right

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Can PI AF do it?

	Database: • SQL PI AF	App hosting location: • Desktop • IIS server • RDP server	UI: • Win Form • Web App • PI Clients	Language: • 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)

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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)

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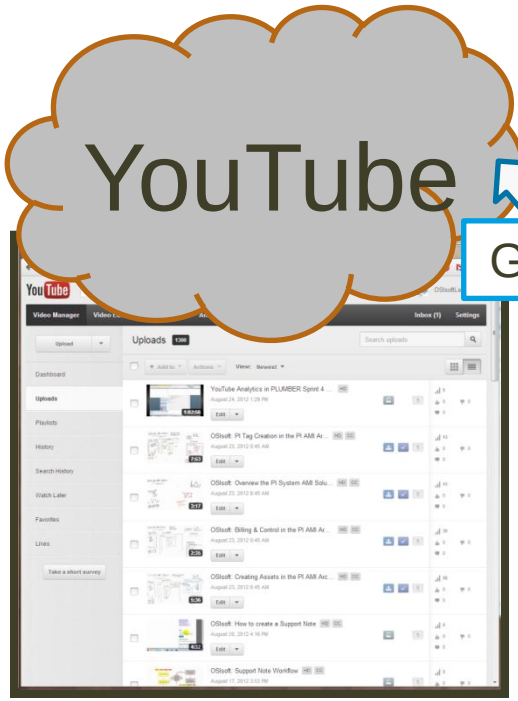
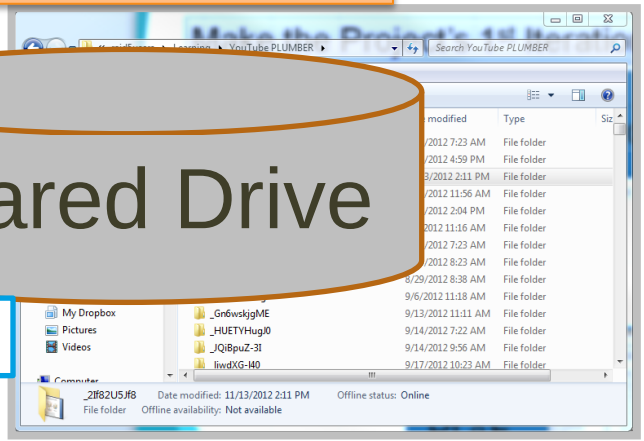
Make the Project's 1st Iteration Useful:



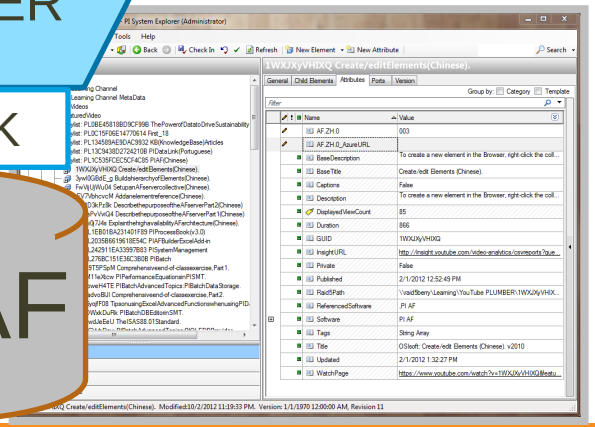
Google API



C# Libraries

PLUMBER

PI AF SDK



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Build your PI AF project:

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

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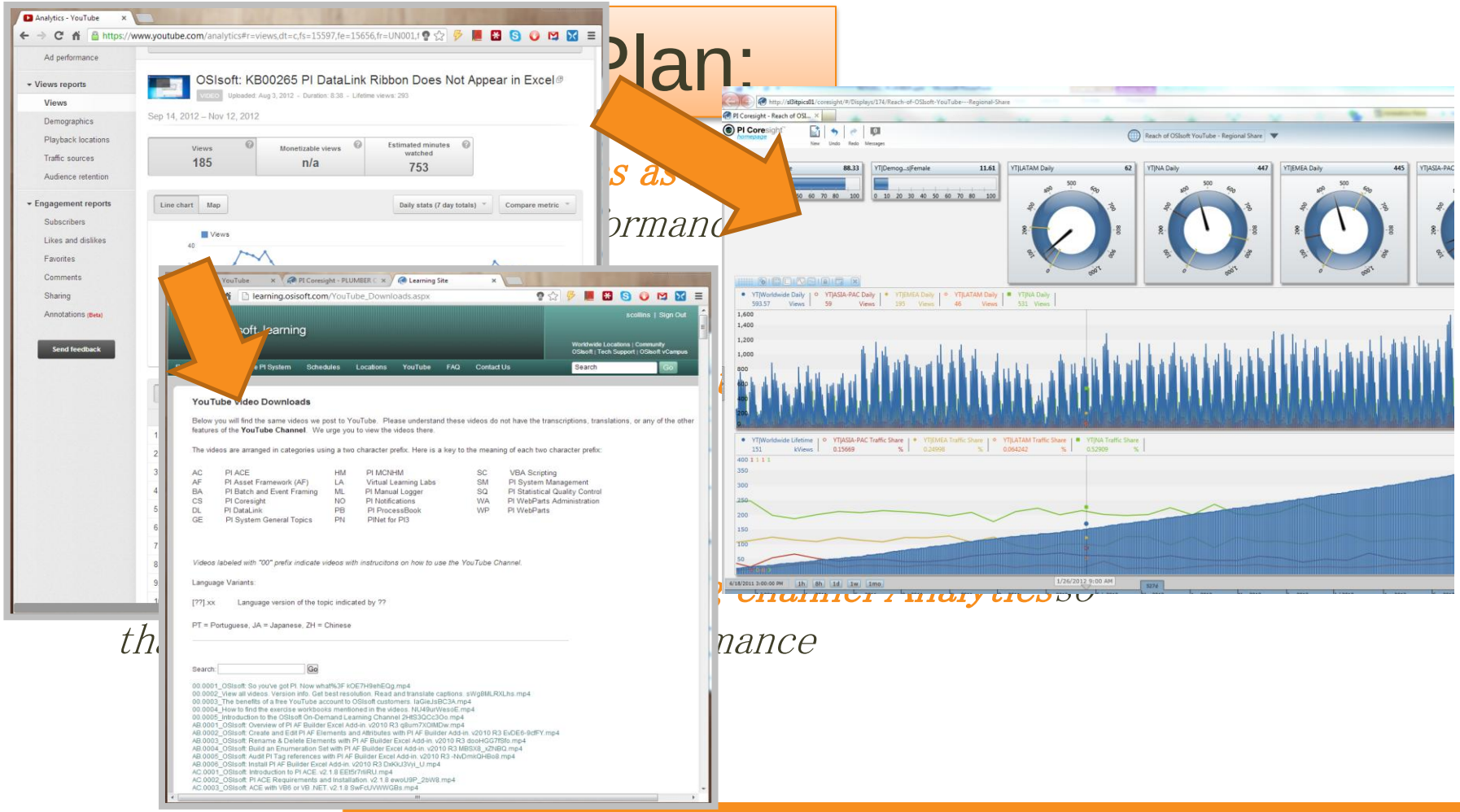

Plan:

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We Expanded Iteratively

YouTube

Shared Drive

Google API

C# Libraries

PI Server
Analytics

PLUMBER

Azure API

PI AF SDK

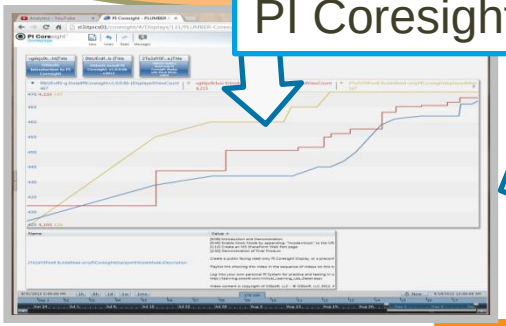
PI AF SDK

Azure Drive

PI Coresight Server

PI AF

Public
Downloads



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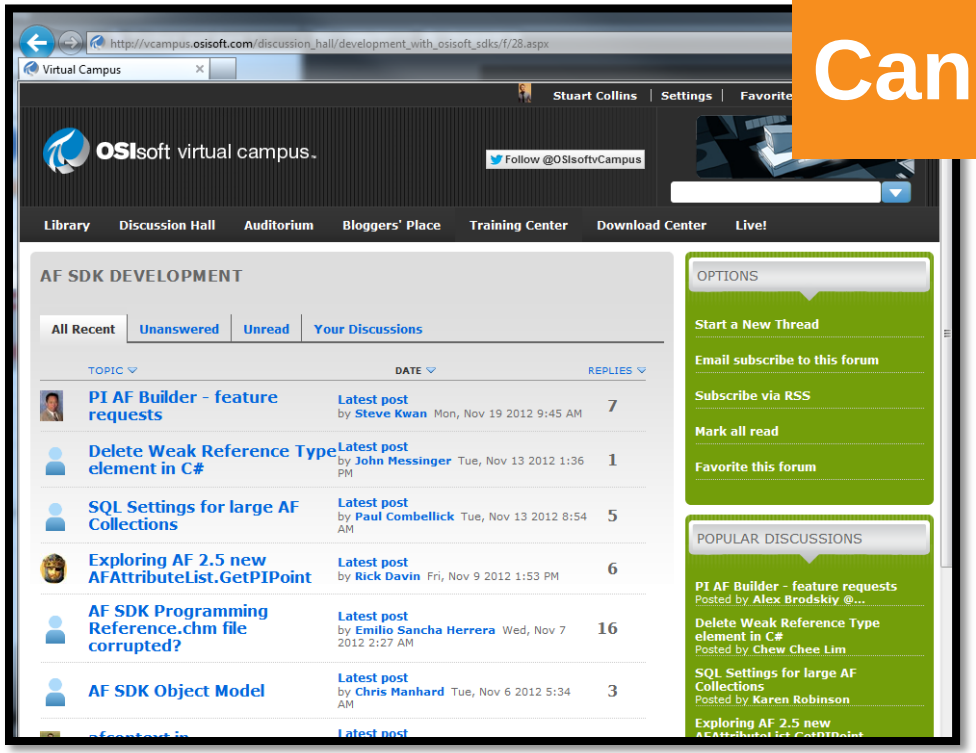
Can PI AF SDK do it?



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

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The Final Iteration of PLUMBER

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PI AF SDK Application as Enterprise Data Infrastructure

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

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

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Stuart Collins

eLearning Specialist

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scollins@osisoft.com

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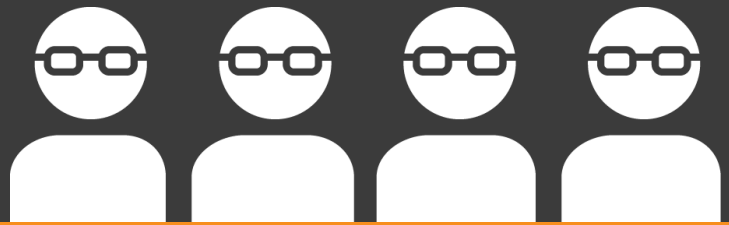
THANK YOU



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