



Connecting Web And Mobile Applications To The PI System

Presented by **Dan Noonan, Mike Sloves**



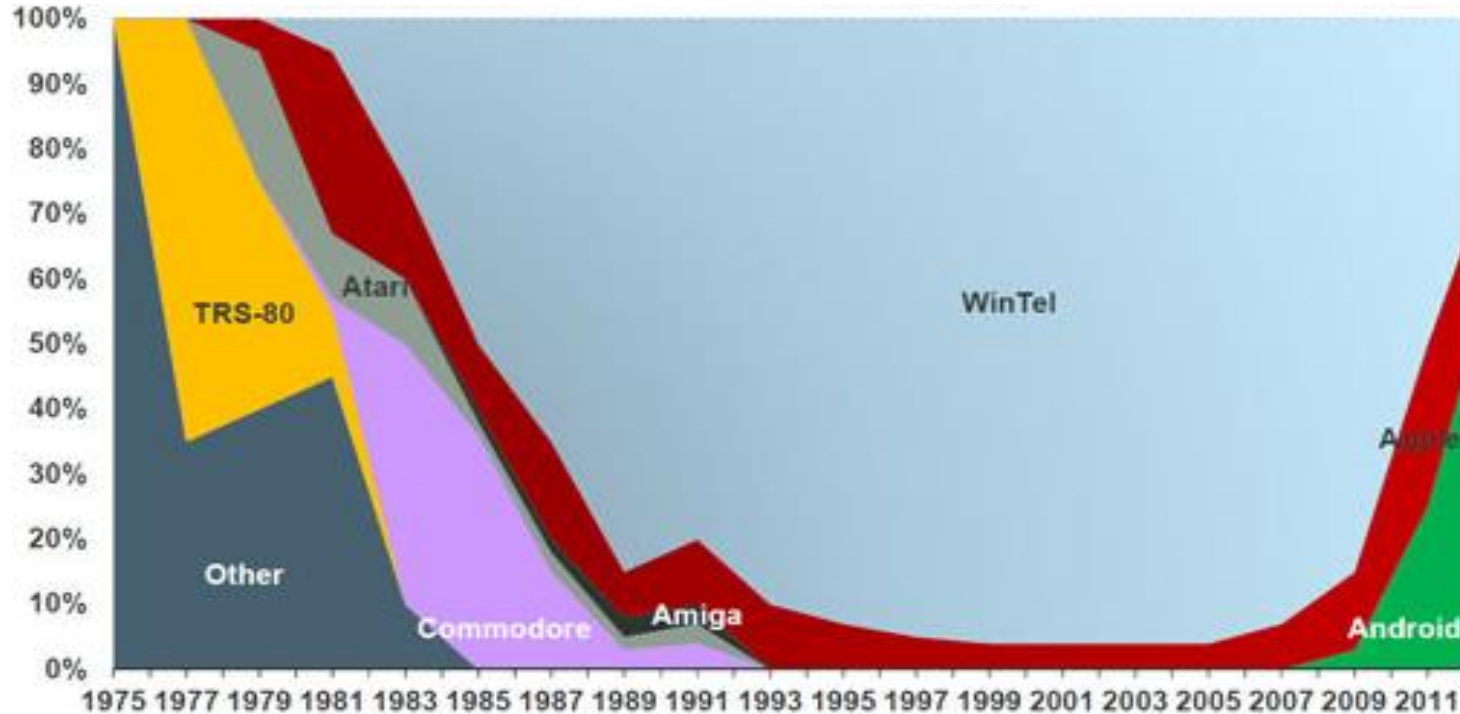
OSIsoft.
USERS 2014
CONFERENCE 14
The **Power** of **Data**
DECISION READY IN REAL-TIME

Business Challenge

- Knowledge workers need to access vital PI System data
- Non-Windows Devices and Platform accessibility are becoming more of a necessity than a luxury.



Adoption of Devices



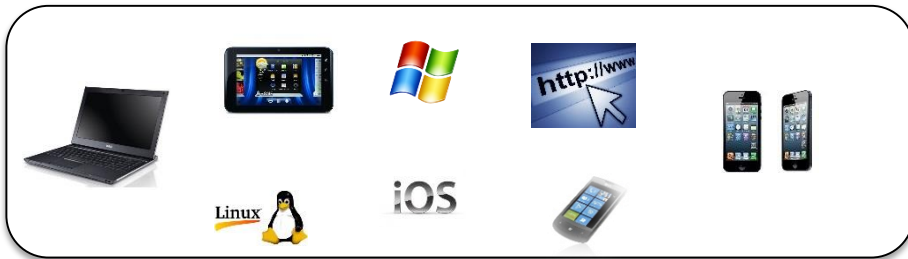
Pre-PC

Windows

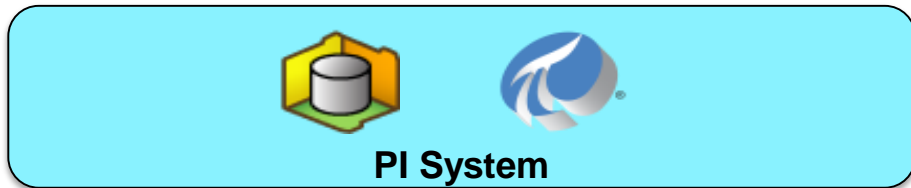
Devices

Business Challenge Rephrased...

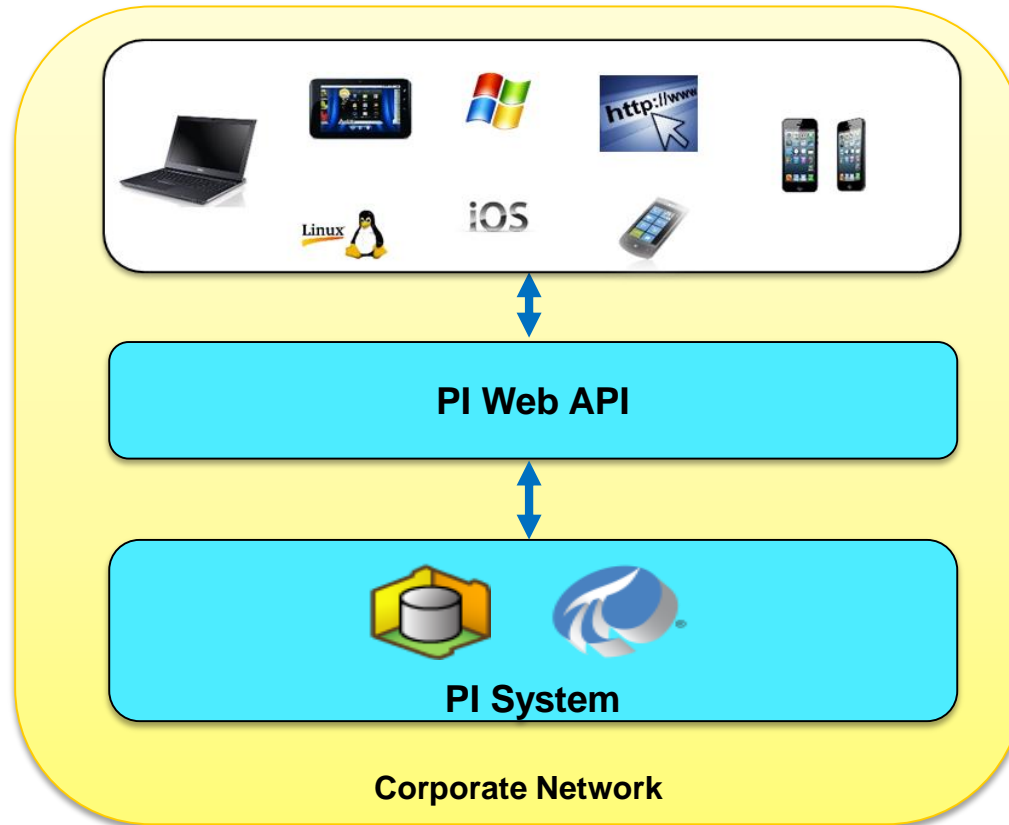
We need to connect
applications running on
these devices and platforms ...



with this ...

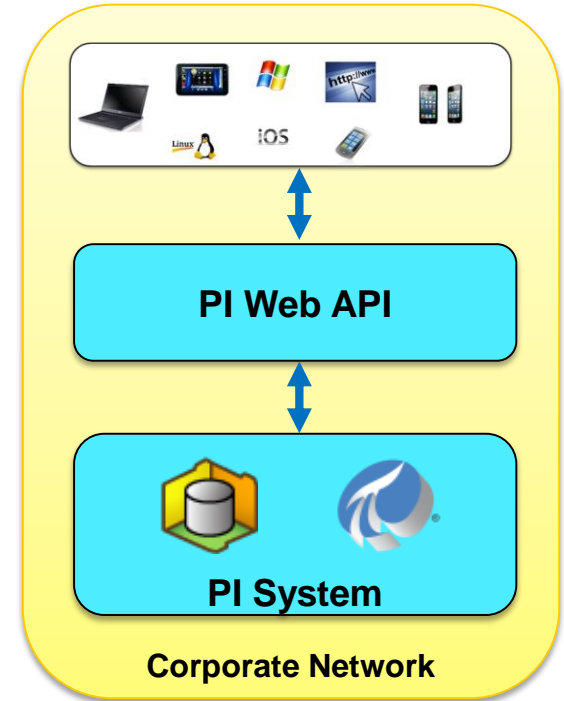


Enter PI Web API



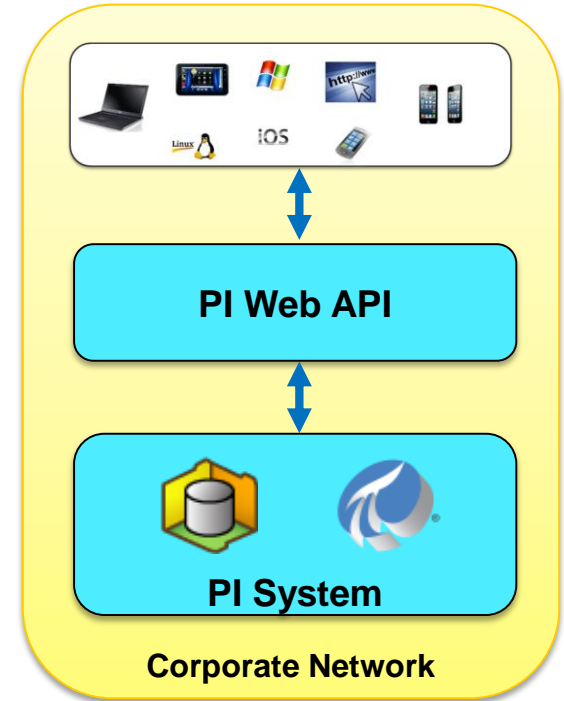
What is PI Web API?

- **Developers build platform independent applications to access the PI System**
- **Device and OS independent**
- **Programming language neutral**



What Types of Applications?

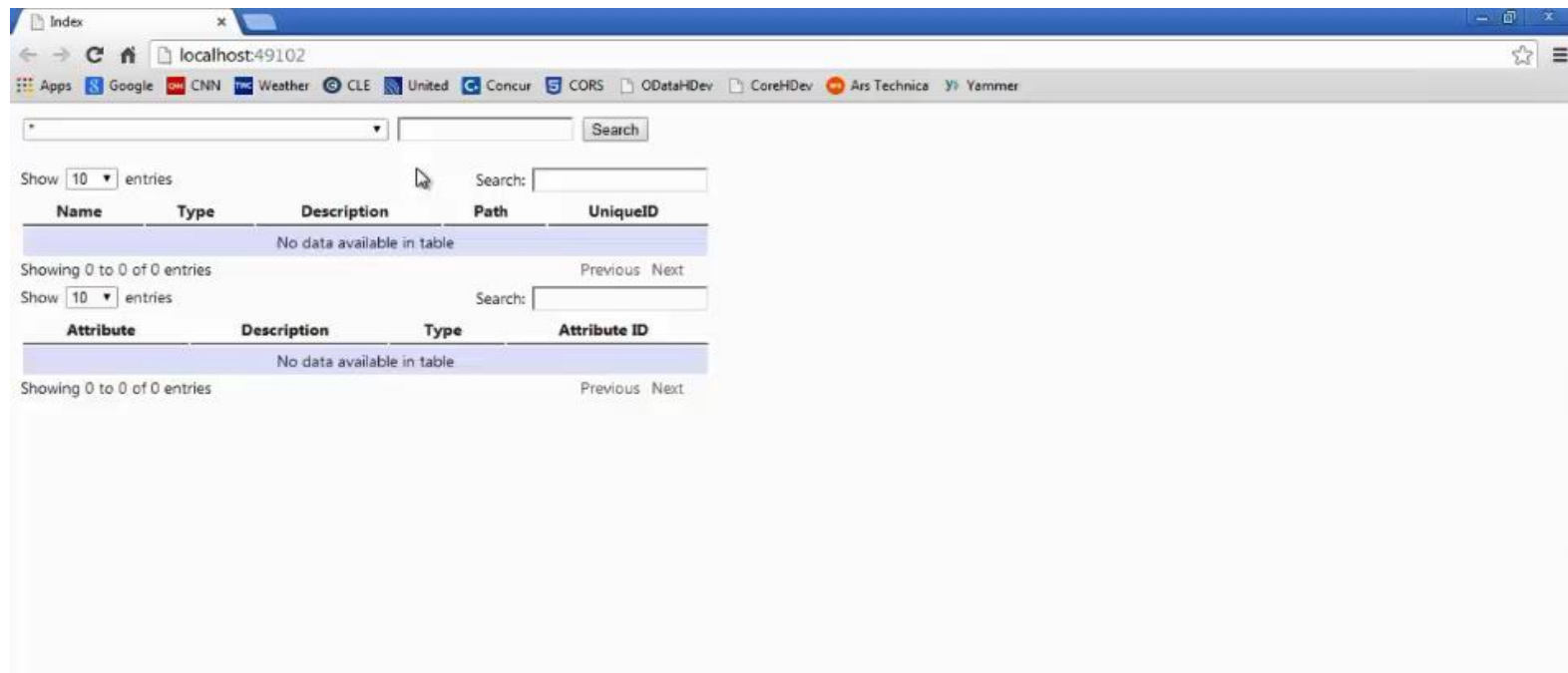
- Supports broad range of scenarios
- Manual data entry, dashboards, custom data analysis, etc.
- OSIssoft
 - PI Manual Logger
 - PI Coresight
 - Etc.!



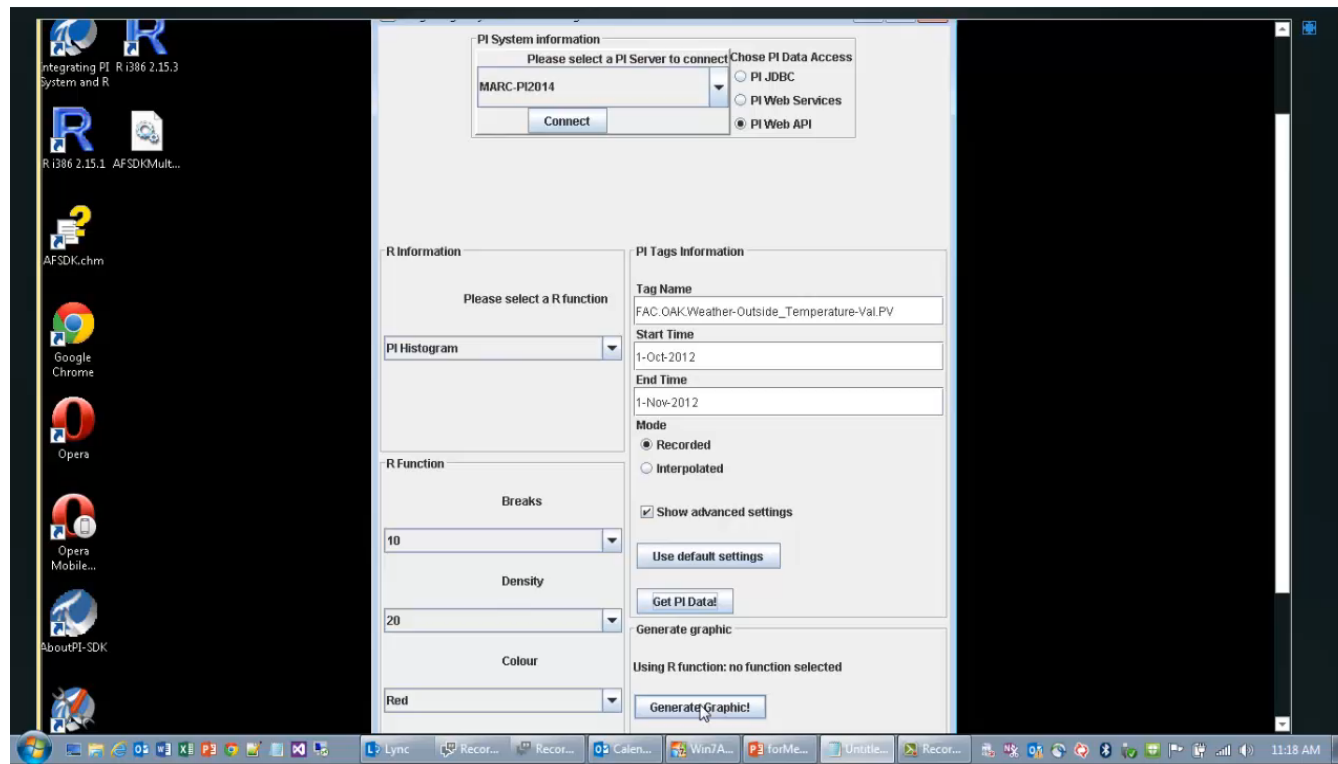


DEMO

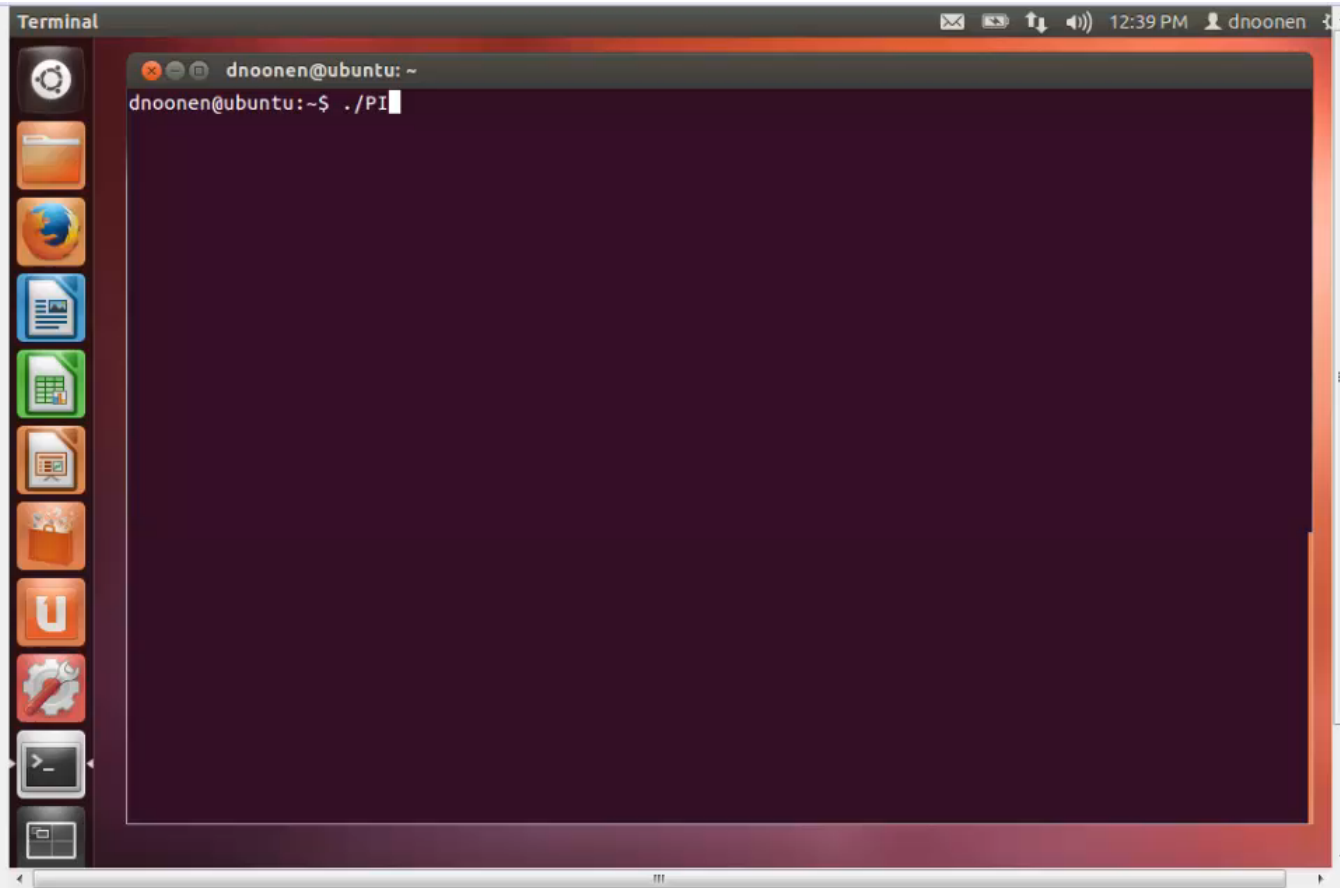
Web Application



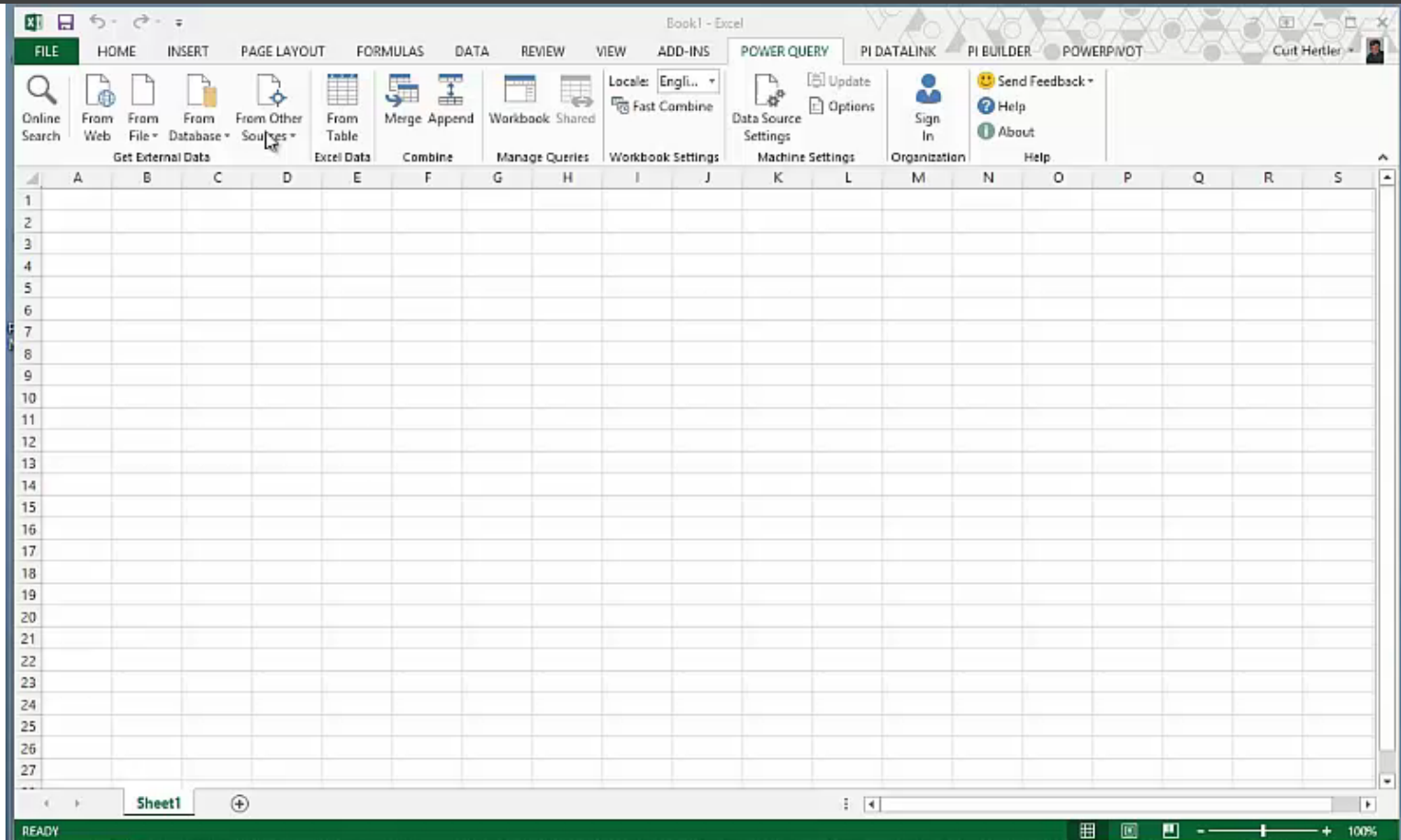
Java Application

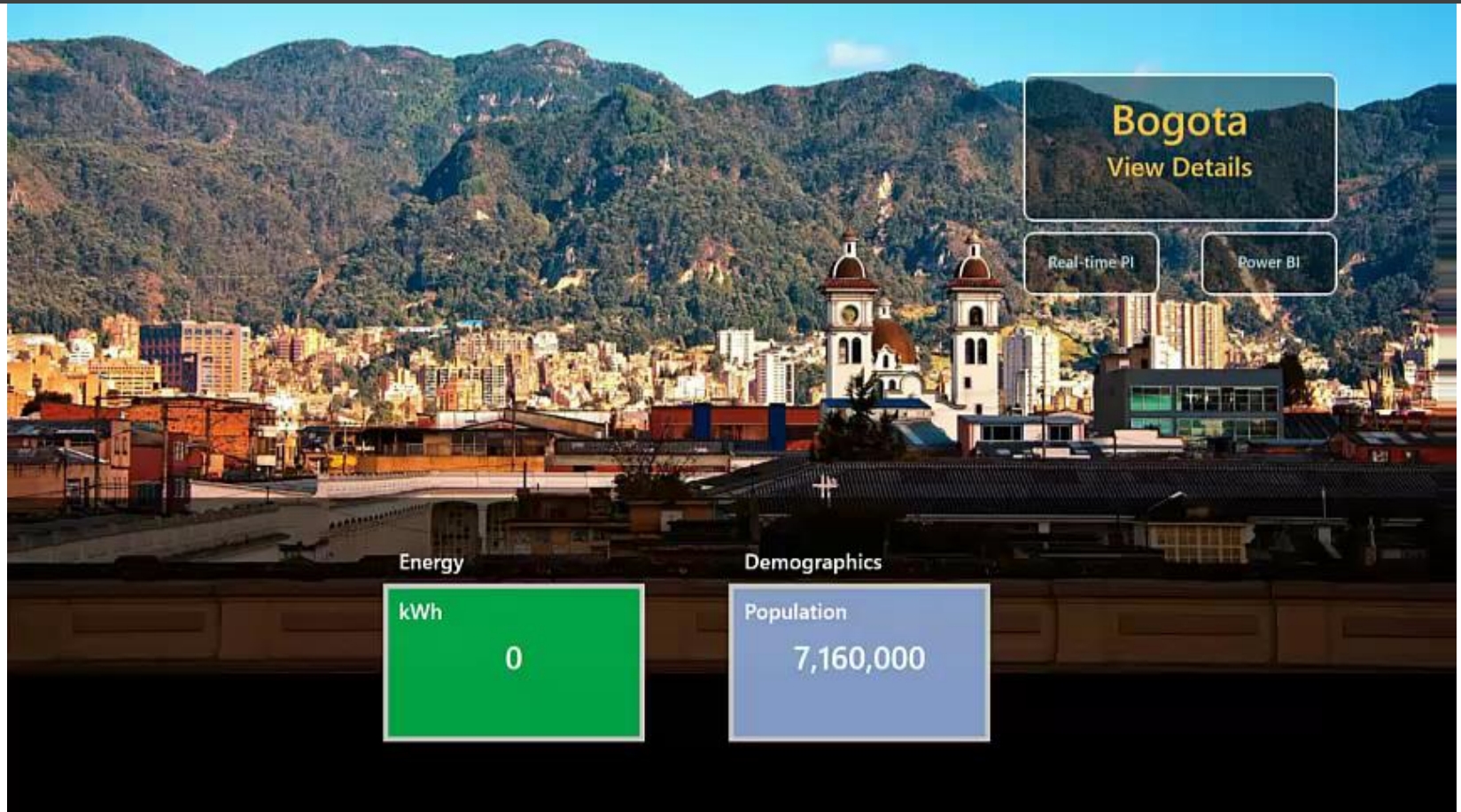




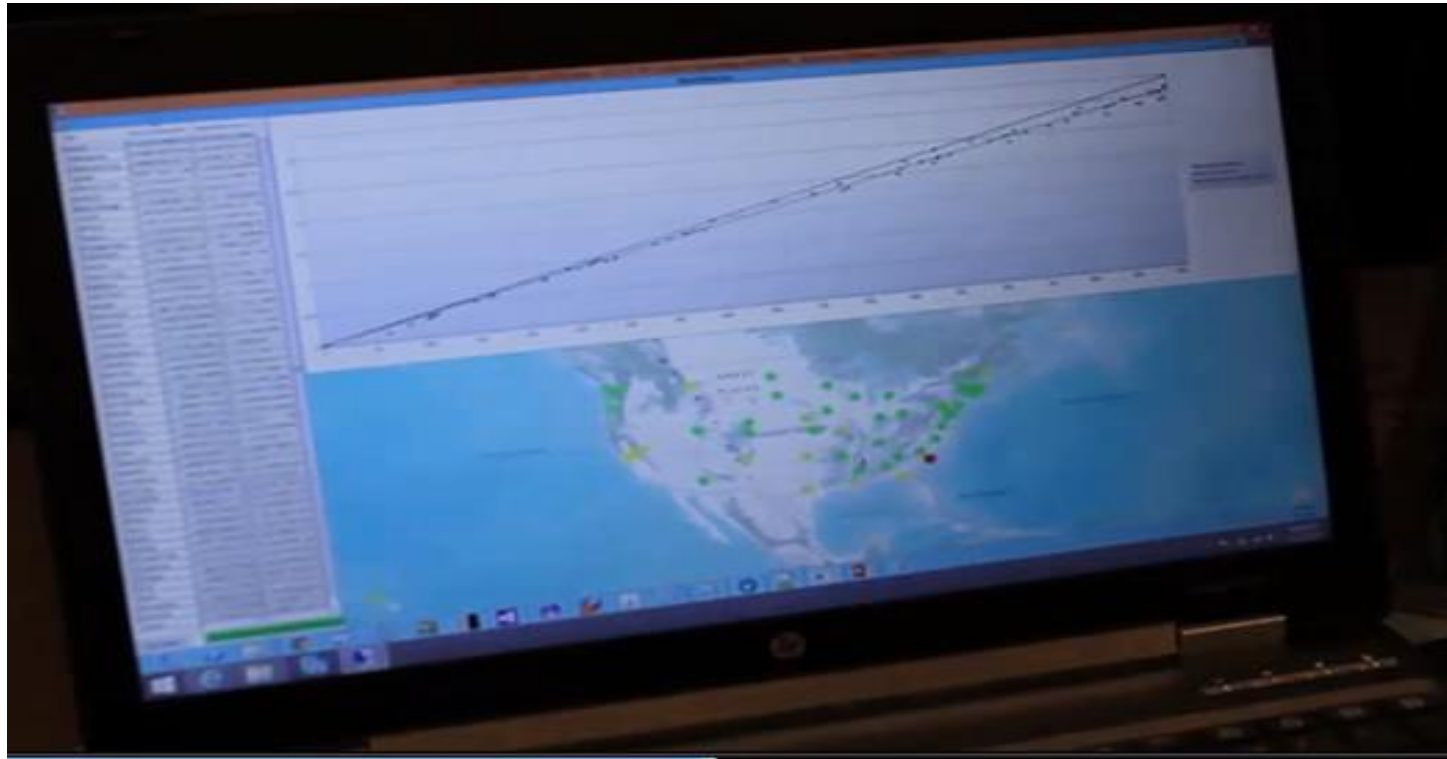


Power Query





vCampus Live Hackathon Winner



PI Web API Roadmap

Q2 2014

- Initial General Availability release (aka V1.0!)

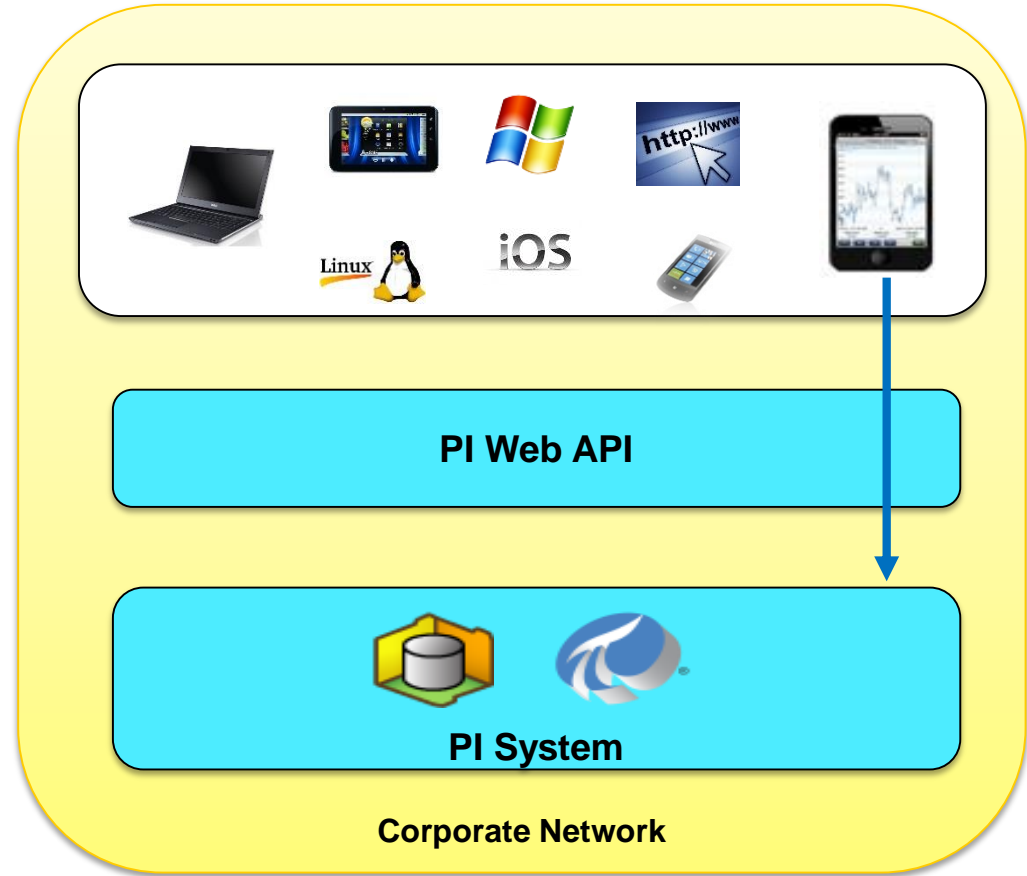
Q3/Q4 2014

- Feedback from users
- OData

2015

- Feedback from users
- Feature parity with other PI System Access mechanisms

Going Mobile...

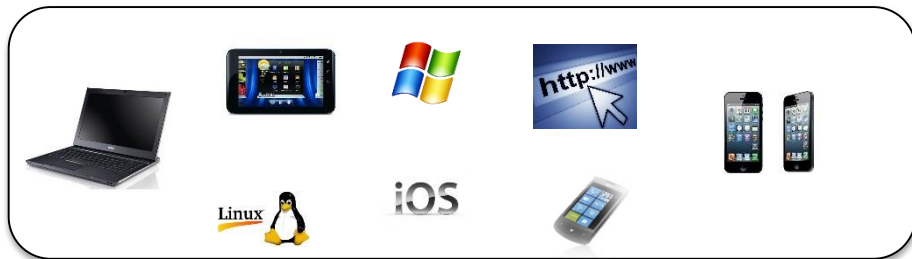


Business Challenge Revisited

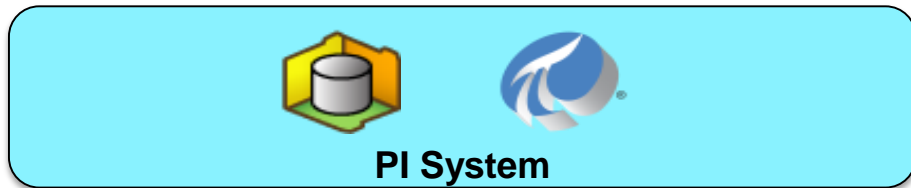
- **Portable/Mobile Devices are now a necessity for Knowledge Workers**
- **Connectivity regardless of location**
 - **Either inside or outside of the corporate firewall**
 - **Security and maintenance concerns with VPN**

In other words...

We need to connect
applications running on
these devices and platforms ...



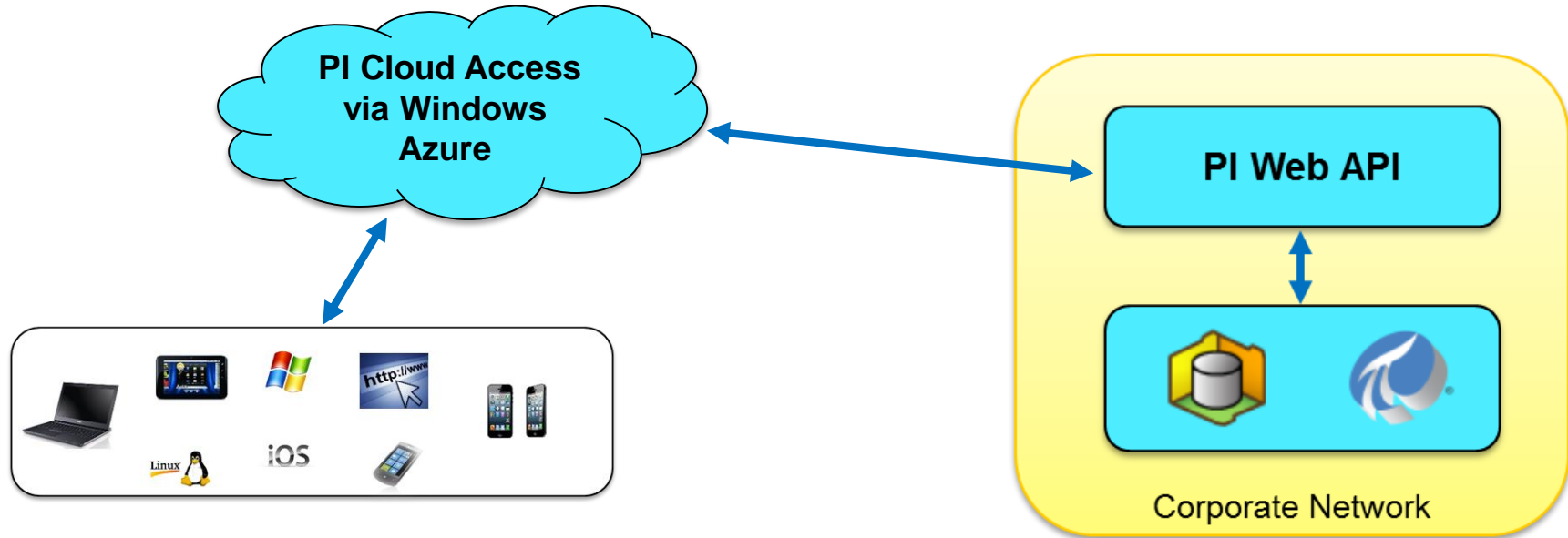
with this ...



from here...



Enter PI Cloud Access



Features of PI Cloud Access



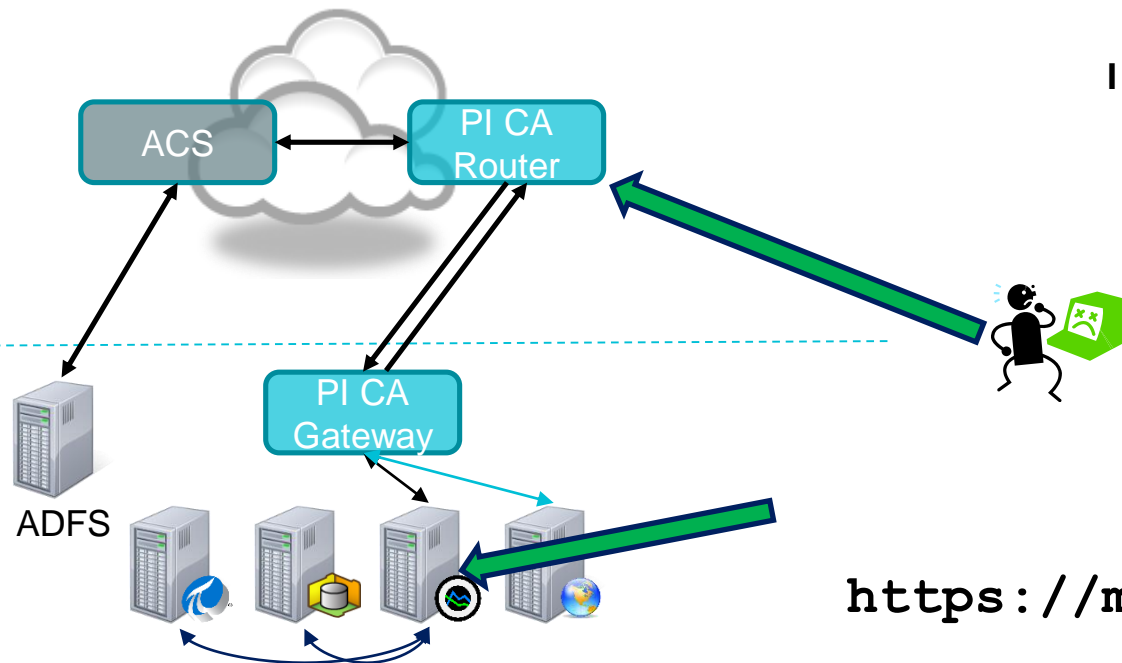
ENABLES secure cloud-based access to on-Prem Systems

No VPN Required

Eliminates Duplication of your PI Data.

PI Cloud Access in Practice

<https://mycom.pica.osipi.com/csazure/m>



I want to access Coresight Mobile!!

Option 1 – Direct Access
Move inside the Firewall or use VPN
Hit the Coresight server *directly*

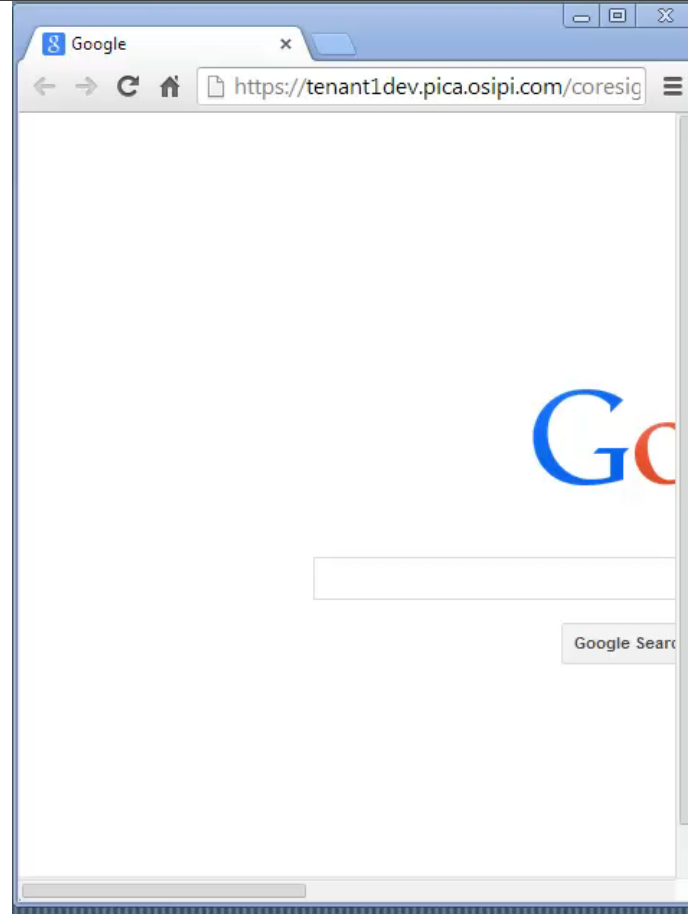
Option 2 – From Anywhere
At home or on the road.
Any WiFi or xG connection
Hit the Coresight server via the cloud

<https://mycsserver/Coresight/m>



DEMO

Coresight Mobile via PI Cloud Access



PI Cloud Access Roadmap



- Production quality system in place
- Will continue as a “free trial” much the same as the current Community Technical Preview

- Feedback from users
- Add support for Alternate Identity Providers to enable “*login with Windows Live ID*” like features

Dan Noonan

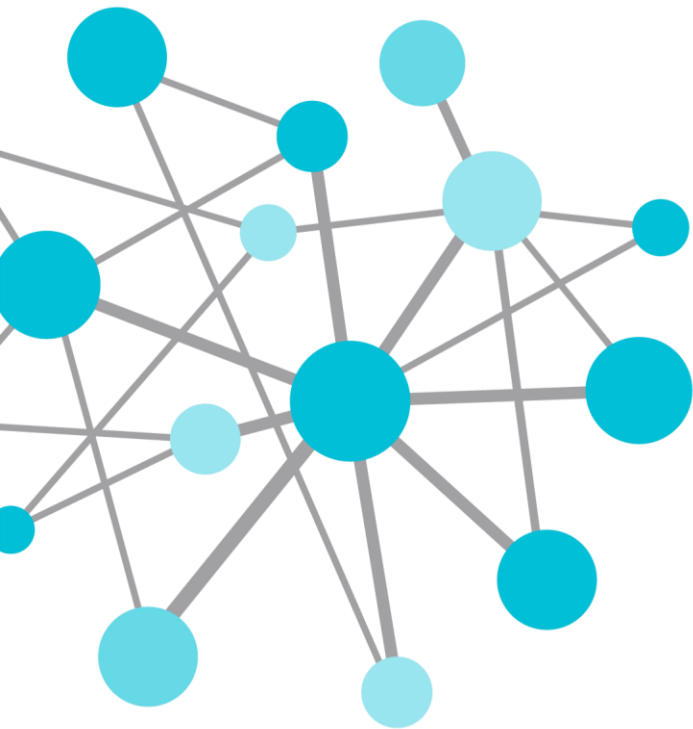
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