

Scale: Connecting your PI Systems to OSIsoft Cloud Services for Applications

Janelle Minich, Technical Product Manager
Laurent Garrigues, Sr. Strategic Product Manager

Agenda

Getting started with OCS

What is PI to OCS?

What features are supported in v.1 of PI to OCS

Recommended Architecture

What to do with the data once in OCS?

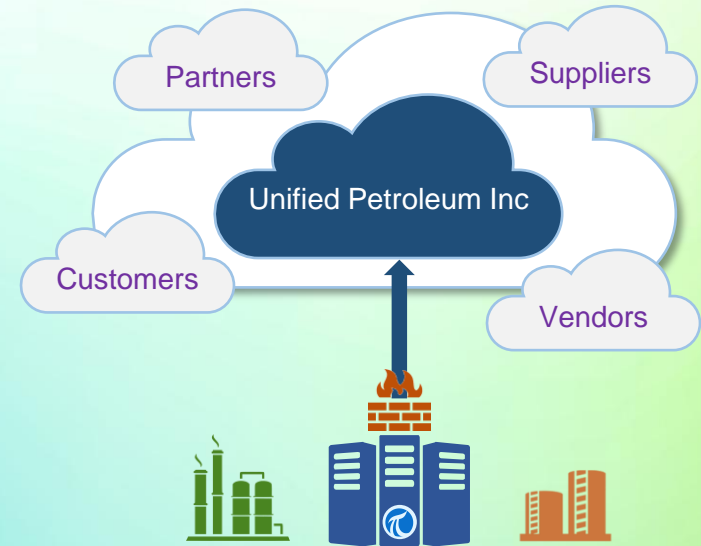
Plans

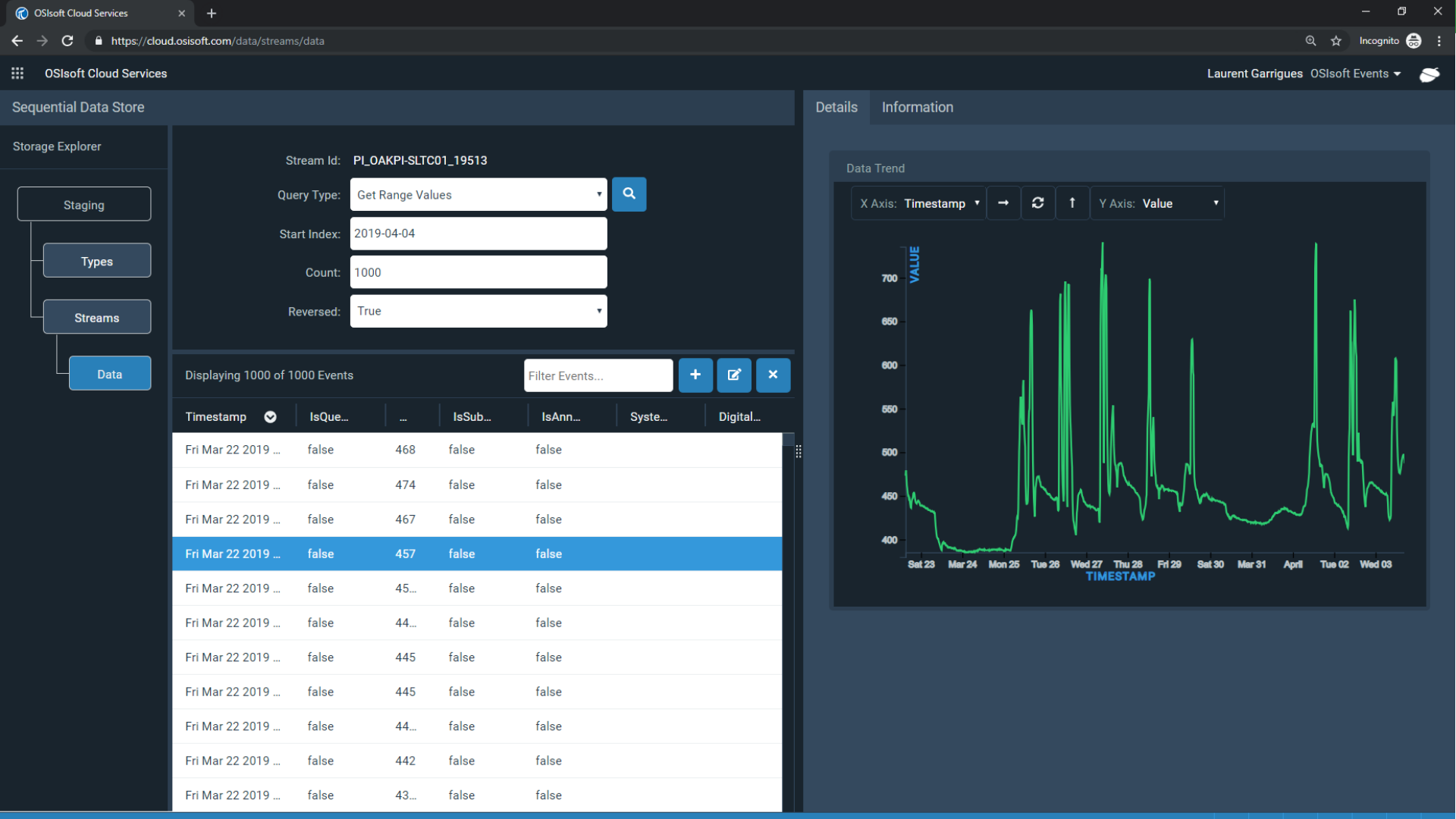
Questions?

Getting started with OCS

High Level Scenario

- Process Engineer @ Unified Petroleum
- Get an OCS account
- Get data from PI to OCS
- Make the data accessible to someone external






Up and running in minutes...

Information required to create an OCS account:

01


Contact Info



First Name
Last Name
Email address

02


Company Name



Unified Petroleum Inc.

03

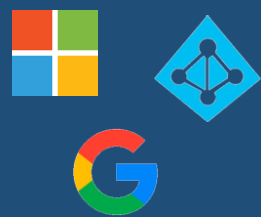
Account Alias



unipetro

04

Identity Provider



Microsoft Account
Azure Active Directory
Google

DEMO

Getting started with OCS

> Request an Account

Request an OSISOFT Cloud Services Account

Complete the form below to begin the sign up process. Once we have received your request, we will contact you using the contact information you provide to confirm your interest in participation and complete the signup process. Once your account has been created, you'll receive an email with instructions to get started.

Contact First Name

Company Name

Contact Last Name

Company Alias

Contact Email

Identity Provider

Azure Active Directory



I'm not a robot



reCAPTCHA
Privacy - Terms

Back

Submit

By signing up, I agree to OSISOFT's [Terms of Services](#) and [Privacy Policy](#).

> Explore OSISOFT Cloud Services

Control Your Cloud

The OSISOFT Cloud Services portal is your gateway to learning about Cloud Services features. You will find detailed API documentation as well as sample code to help you interact programmatically with your data using the Cloud Services API. You can also use the OSISOFT Cloud Services portal to manage your Cloud Services account.

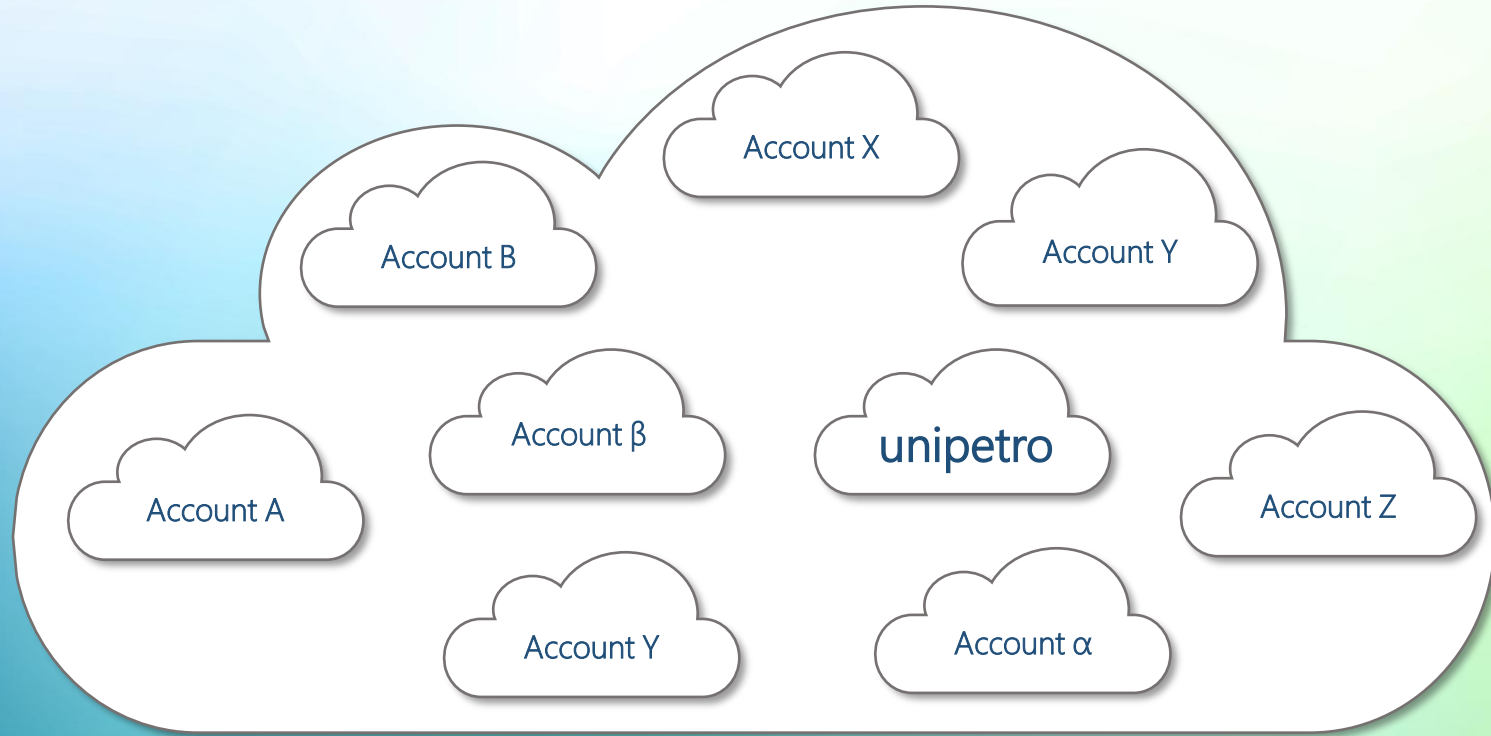
Use the links below to explore the OSISOFT Cloud Services Portal:

- [View OSISOFT Cloud Services API documentation](#)
- [Explore working code samples provided in multiple programming languages](#)
- [View the OSISOFT Cloud Services service blog](#)

You must sign in to access the following features:

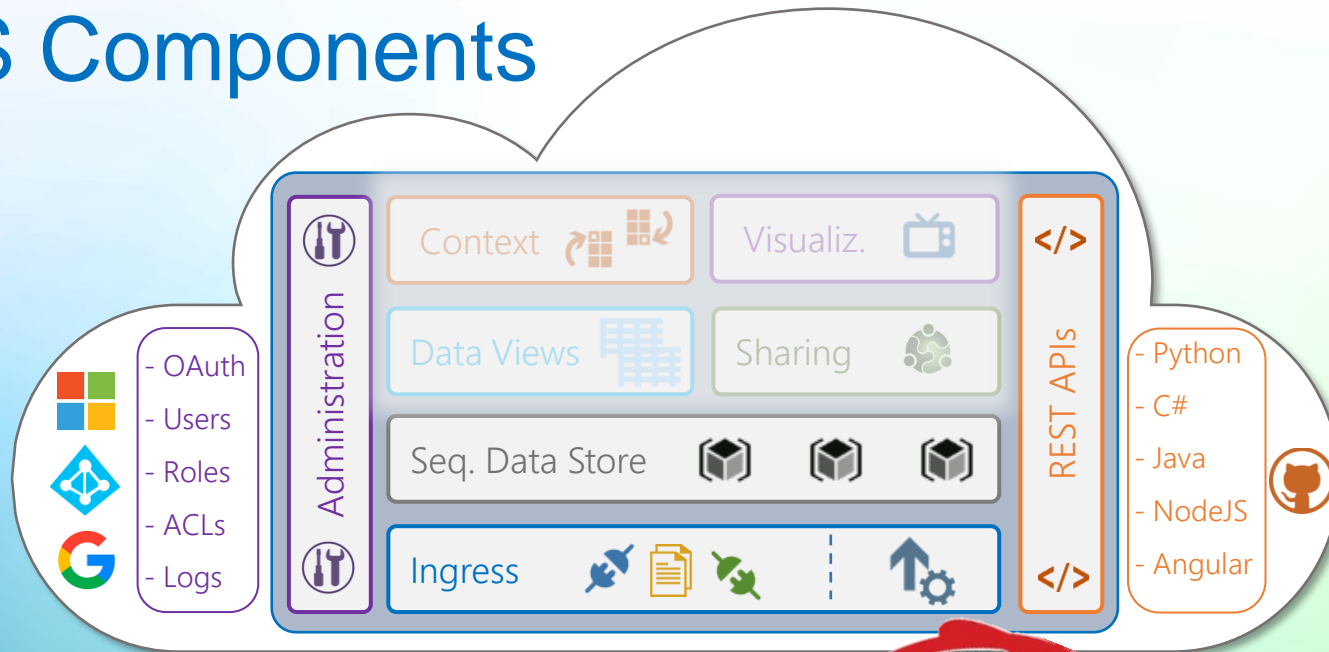
- ☐ Manage users and user access for your organization
- ☐ Manage clients for securely accessing your data
- ☐ Manage namespaces to organize your data
- ☐ Experiment with the REST API console

OCS Accounts



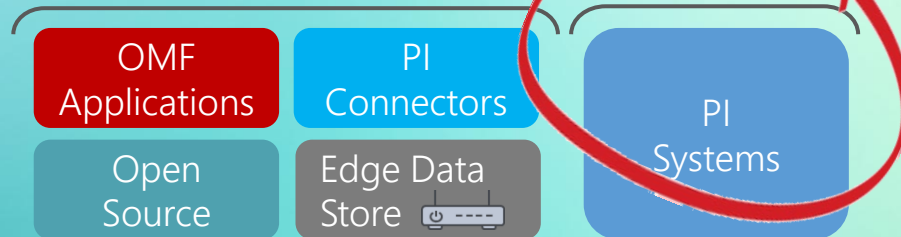
cloud.osisoft.com

OCS Components



OSIsoft Messaging Format

Native



What is PI to OCS?

DEMO

PI to OCS

> What is OSIsoft Cloud Services?

OSIsoft Cloud Services

Industrial digitalization and globalization is generating more data and new opportunities to leverage data. Data that can be shared and used to power new applications that deliver increased operational efficiency and support new business models. At the same time the cloud offers a scalable, elastic and centralized environment to aggregate data for reporting, advanced analytics and third party applications. OSIsoft's Cloud Services are designed to meet today's digital transformation needs by connecting real-time data to people, analytics, and applications, to allow enterprises and communities to realize the value of their data.

For more information, please visit <https://www.osisoft.com/Solutions/OSIsoft-Cloud-Services/>.

OSIsoft Cloud Services Closed Preview Access

We are looking for customers to engage with us by testing OSIsoft Cloud Services and providing feedback during the Preview phase of development. If you are interested in participating, please press the **Request to Join the Preview** button below to fill out the survey. We will use the survey to select a few customers for the Preview.

Request to Join the Preview

> Explore OSIsoft Cloud Services

Control Your Cloud

The OSIsoft Cloud Services portal is your gateway to learning about Cloud Services features. You will find detailed API documentation as well as sample code to help you interact programmatically with your data using the Cloud Services API. You can also use the OSIsoft Cloud Services portal to manage your Cloud Services account.

Use the links below to explore the OSIsoft Cloud Services Portal:

- > [View OSIsoft Cloud Services API documentation](#)
- > [Explore working code samples provided in multiple programming languages](#)
- > [View the OSIsoft Cloud Services service blog](#)

You must sign in to access the following features:

- ☐ Manage users and user access for your organization
- ☐ Manage clients for securely accessing your data
- ☐ Manage namespaces to organize your data
- ☐ Experiment with the REST API console

Provide Feedback

What is PI to OCS?

Transfer PI Time Series Data to OCS: Central, Simple, Secure.



Simple

Simple to install
Runs On-Prem
Off the shelf software



Best of Breed

Moves time series data
from On-Prem PI Server
to PI OCS

Central Configuration

Configure and Manage
connections, data
transfers, and security
from PI OCS Portal



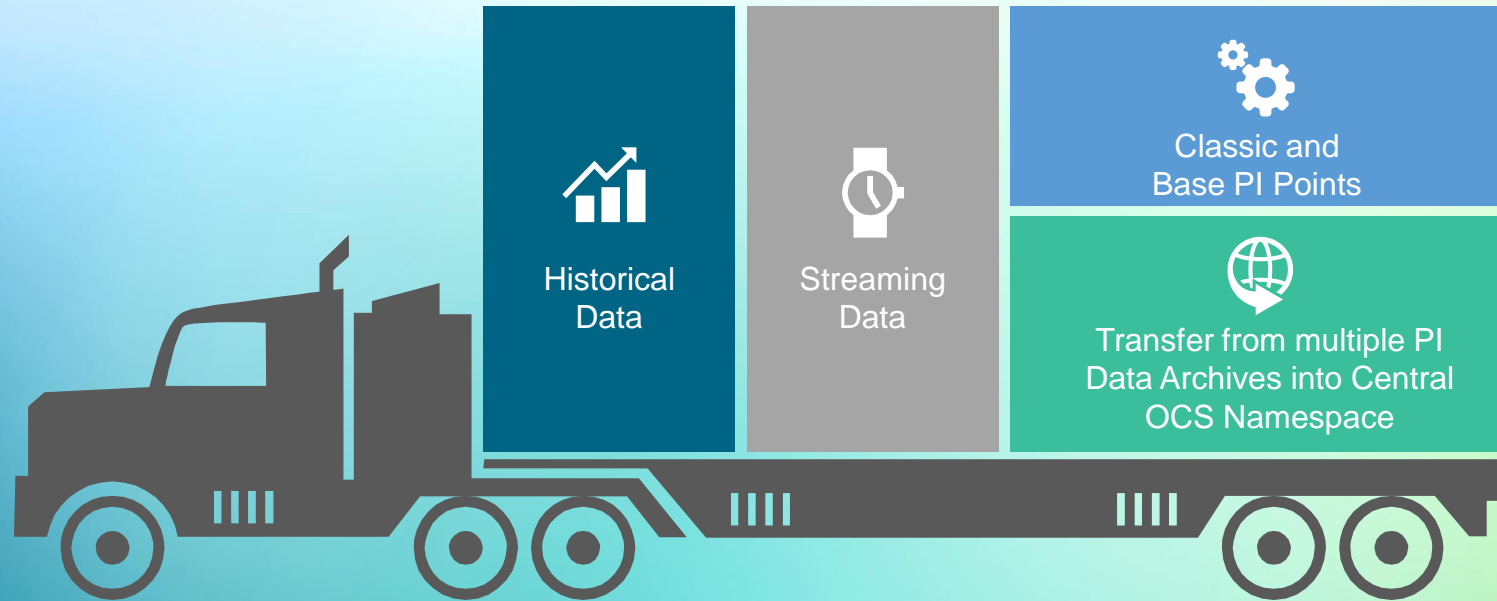
Secure

Secure authentication in
the cloud
Windows accounts
authenticate against on-
Prem PI Server(s)



What features are supported in v.1 of PI to OCS?

Transfer of Data from PI Data Archive to OCS



Manageability and Reliability

No upgrades to manage in OCS – Upgrades are seamless to your users

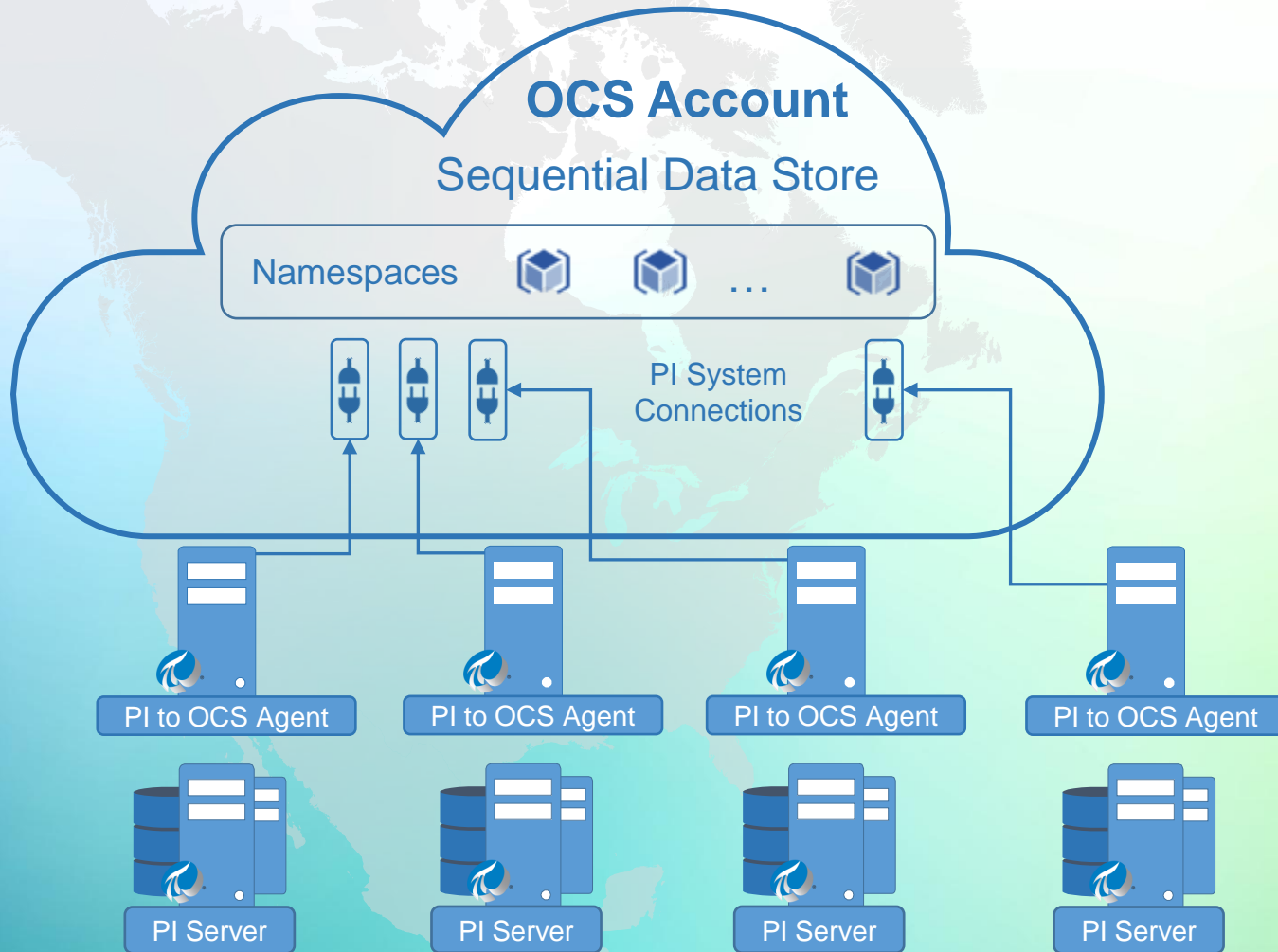
Faster release cycles – Always have the most stable and reliable build



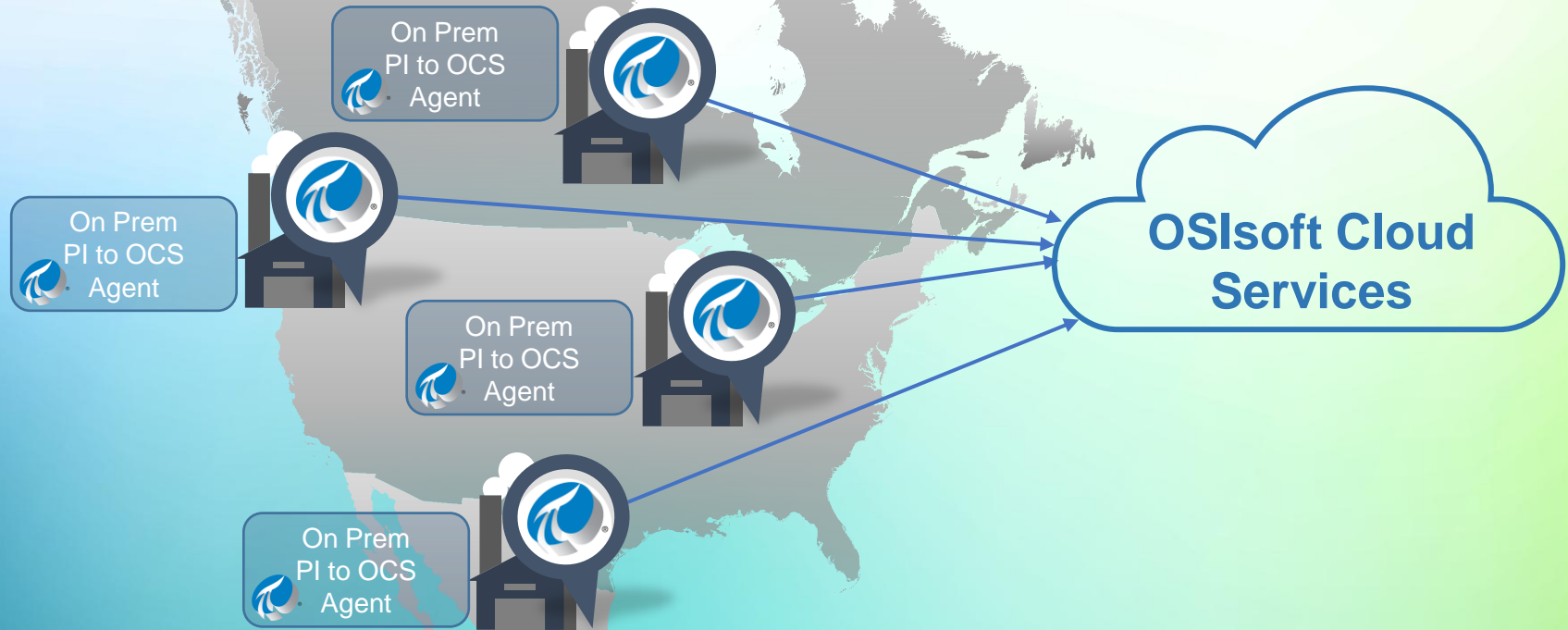
Central configuration and management of data transfer in OCS Portal

Central configuration and management of security in OCS Portal

Recommended Architecture



Recommended Architecture for PI to OCS (Enterprise)



What to do with the data once in OCS?

Next Steps...

Manage Roles

Manage Access Control

Manage Client ID for programmatic access

Code samples

DEMO

Exploring the OCS Customer Portal – Live!

Plans

PI to OCS – Roadmap

Developing – Now

PI to OCS Data Transfer

Enable customers with existing PI Systems to easily and efficiently sync their historical and real-time PI Point data to OCS.

BETA

Central Configuration, Management

Configure and Manage connections, data transfers and security in the OCS Portal

BETA

Secure

Secure authentication in the cloud, leveraging claims
Secure authentication to on-prem PI Systems with Windows accounts

BETA

Considering – Next

Improve PI Point Query Experience

Allow more flexibility when searching for and selecting PI Points

Support Persistent Updates

Allows backfilled data and other point updates to be transferred. This is currently unsupported.

Support parallel Data Transfers

Allow a single PI to OCS Agent to perform multiple transfers simultaneously.

Support EMEA data center

Researching – Future

Automatic Upgrade of on-premises agent

Support many to many Data transfers

Manageable System
Seamless Infrastructure
Increased Value & Scope of Data



Communicate with OSIsoft Product Managers



<https://feedback.osisoft.com>

.....
If it is not shared on the feedback portal, it didn't happen!



➞ Product Booth

Emerging Technology Wall
Yosemite - Hilton

- Edge data collection
- OCS Overview
- PI to OCS
- Data Science Enablement
- Community

➞ Other Talks

Day 2 – DERNetSoft
PI Geek – *Park 55*

Day 2 – Diemus
PI Geek – *Park 55*

Day 3 – OCS for Dev
PI Tech – *Park 55*

Day 3 – Petuum
Market Place - *Hilton*

➞ More Talks

Day 3 – PI to OCS
Best Practices - *Hilton*

Day 3 – Seeq & Devon
Market Place - *Hilton*

Day 3 – Data Science
Products - *Hilton*

Day 3 – Edge to Cloud
Product - *Hilton*

Contact us for more information...



Janelle Minich

- janelle@osisoft.com
- Technical Product Manager
- OSIsoft, LLC



Laurent Garrigues

- lgarrigues@osisoft.com
- Sr. Strategic Product Manager
- OSIsoft, LLC

Questions?

Please wait for
the **microphone**

State your
name & company



Please remember

TO DOWNLOAD
APP, SEARCH
OSISOFT





IT'S THROWBACK THURSDAY AT GEEK NIGHT TONIGHT!

Hilton – Grand Ballroom 7:00 – 10:00 PM



OSIsoft®

PIWorld

Gothenburg • Sept. 16-19, 2019

