Self-directed Analytics and Reporting with OSIsoft Cloud Services

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OSIsoft and Seeq





Advanced Analytics to get more value from OSIsoft PI Systems













Advanced analytics: application of big data, machine learning, and other innovations to derive insights and improve outcomes





Enterprise Infrastructure







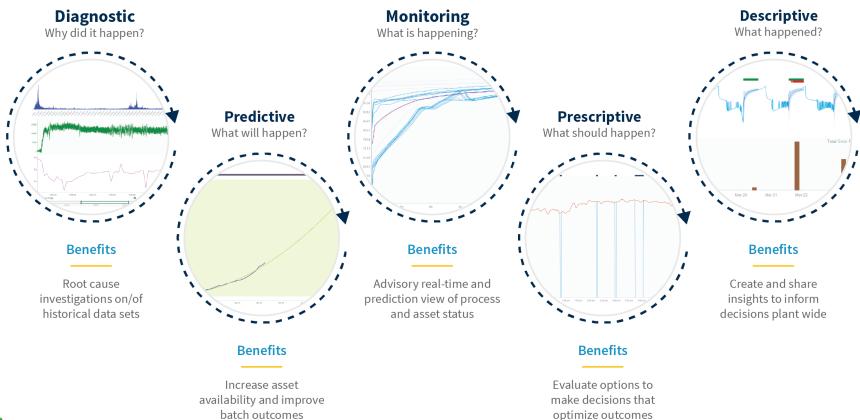
NEW SENSOR TECHNOLOGY



REMOTE AND MOBILE ASSETS



Seeq Capabilities





OSIsoft and Seeq Integration



Seeq is Advanced Analytics for OSIsoft PI System

Keeps PI System as source of record

Increases value of PI System investments



Active Directory Integration for LDAP



Streamlined setup

 Connecting OSISoft PI System to OCS is straightforward and done almost entirely through the web UI.

Connecting Seeq to OCS takes minutes.

• Total setup time for this demo was an hour.





Demo configuration









Demo configuration





About Devon Energy

- Balanced oil and gas portfolio
- Industry Leader in technology
- Large Inventory of future projects
- Culture of innovation

2018 **Production** mix

47%

20% NGLs 33% NATURALGAS

Multi-decade growth platform

>30,000

STACK & DELAWARE POTENTIAL LOCATIONS



Making Better Decisions with Data







STALE data

Transmitter **ANOMOLIES**

INCONSISTENT data rates

VENDOR specific

Data **QUALITY**

AGGREGATE summaries

Model **NORMALIZATION**

Enterprise **CAPATIBILITY**

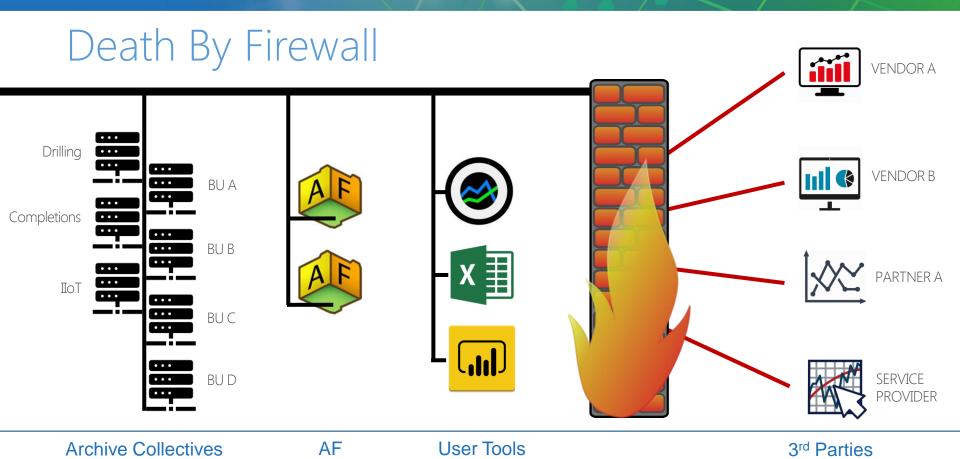
TRUSTED data

ACTIONABLE intelligence

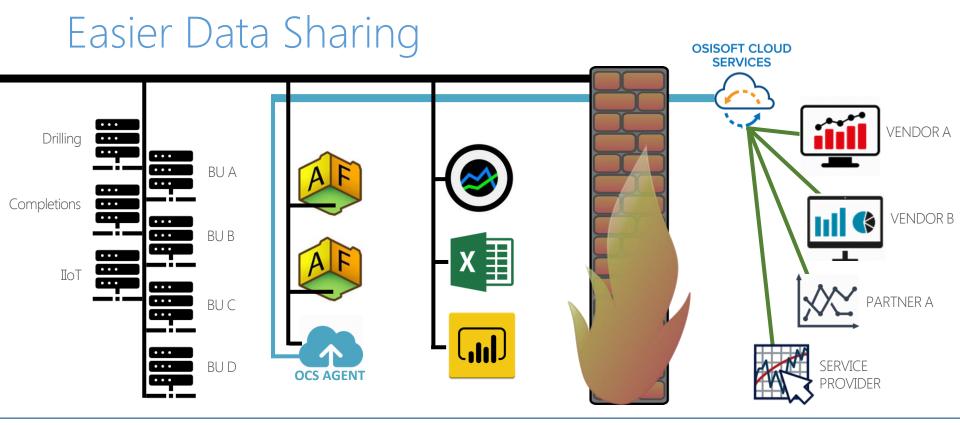
Operate by **EXCEPTION**

Globally **ACCESSIBLE**









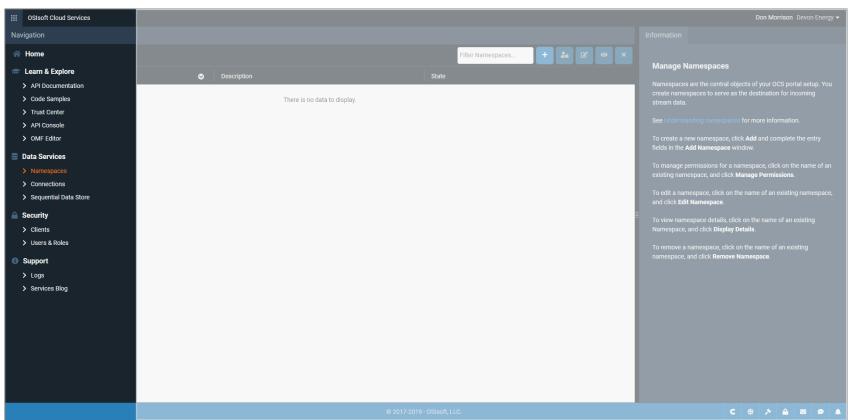
Archive Collectives AF User Tools 3rd Parties



OSIsoft Cloud Services Beta USER EXPERIENCE

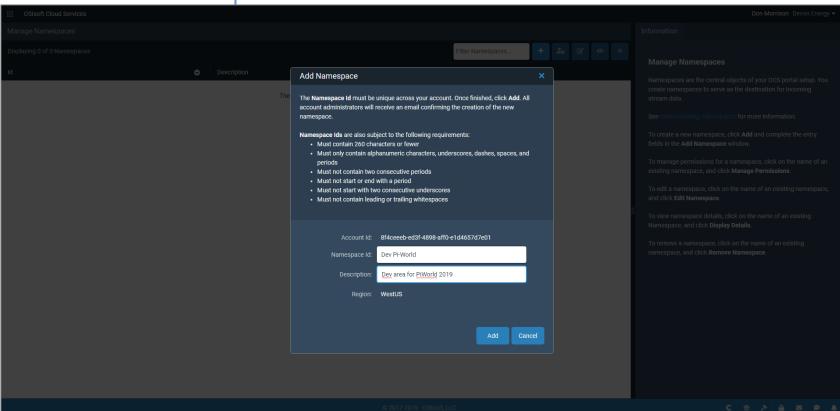


OCS Menu



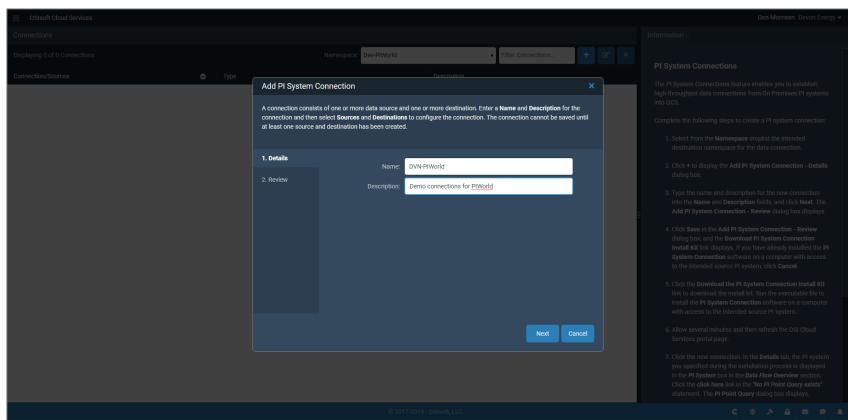


OCS Namespaces



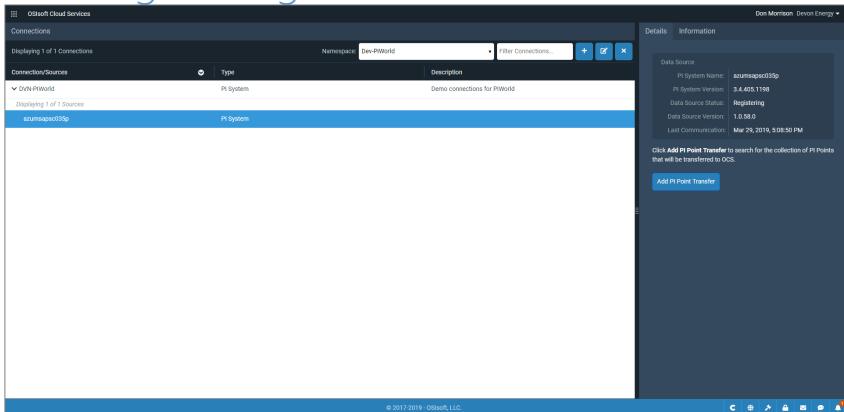


OCS Connections

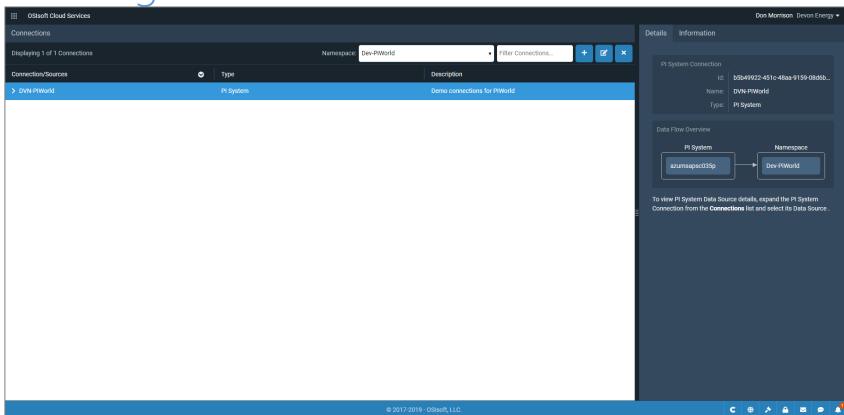




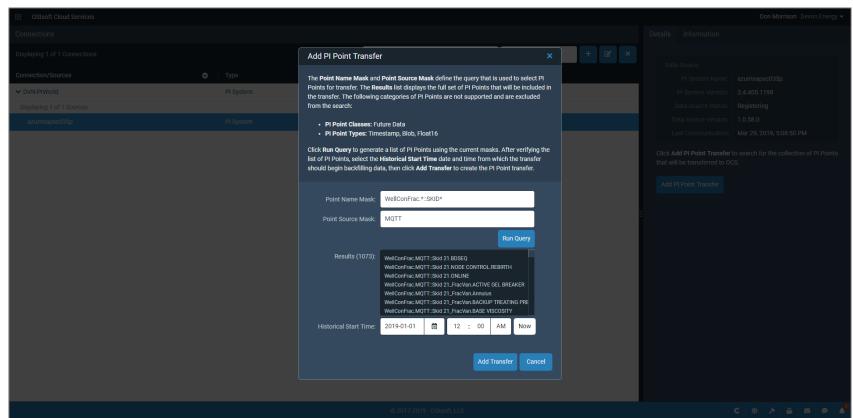
OCS Agent Registration



OCS Agent Connection

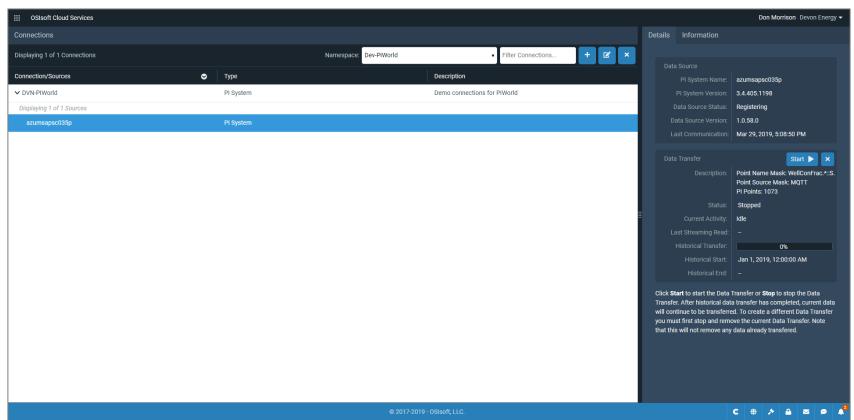


OCS Point Transfer

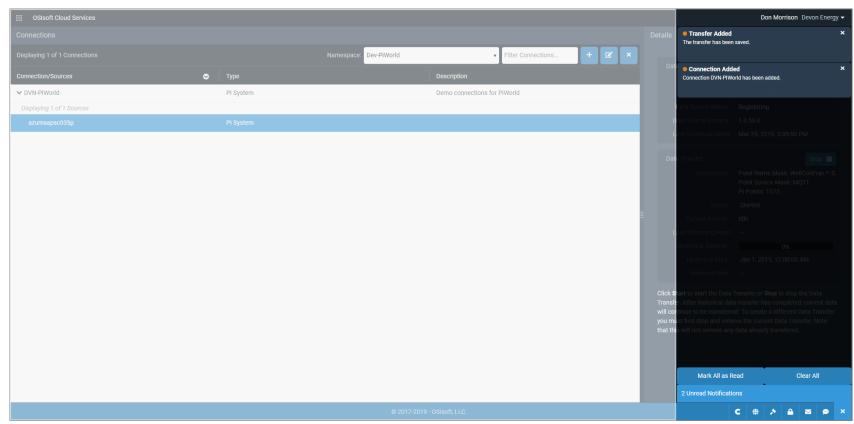




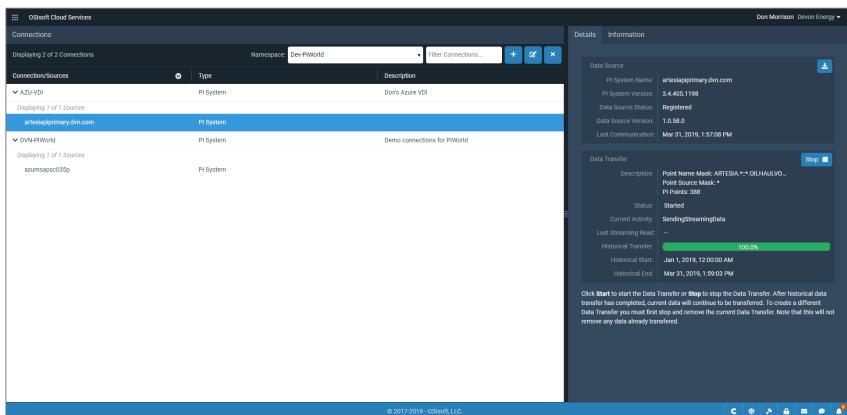
OCS Data Transfer



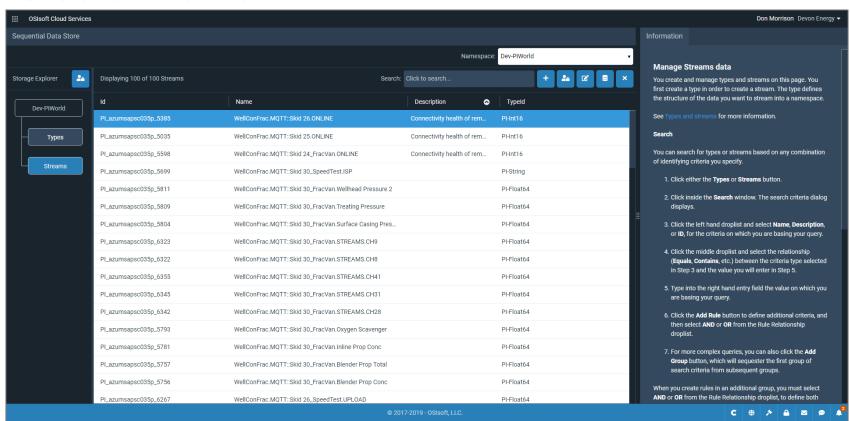
OCS Notifications



OCS Transfer Status

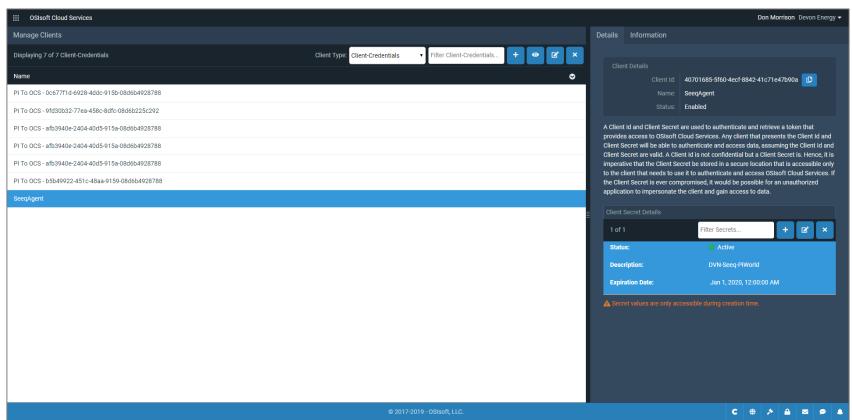


OCS Streams





OCS Clients



Business EXAMPLES

- WELL STIMULATION DATA ENHANCEMENT
- OIL TANK HAULING DETECTION
- SUBMERSIBLE PUMP CYCLE DETECTION

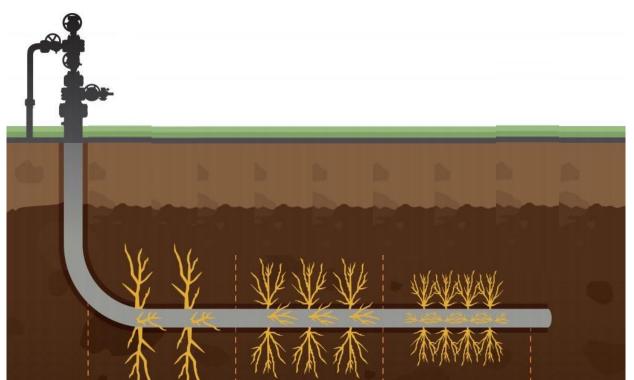


Well Stim Operations





Well Stim Operations





Well Stim – Data Enhancement







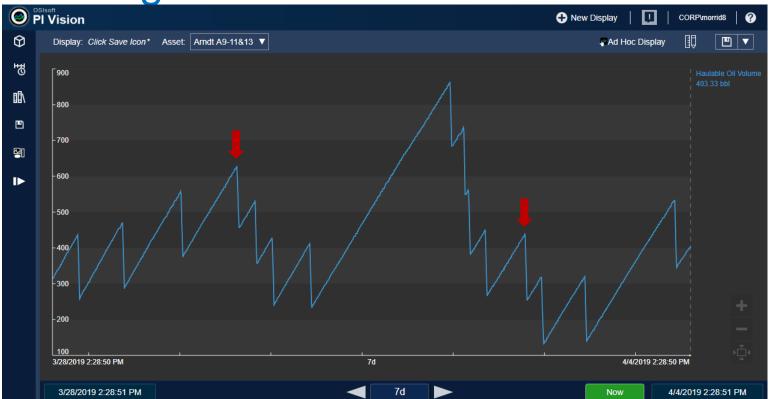


Oil Hauling – Event Detection





Oil Hauling – Event Detection



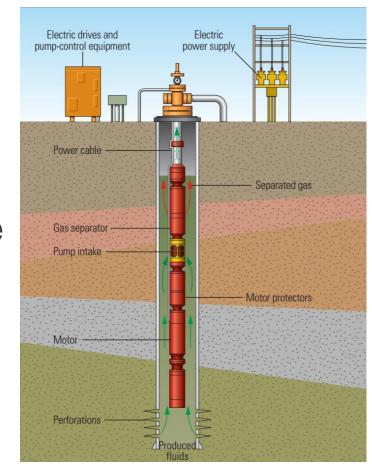






Electric Submersible Pump

- Extract lots of fluid!
- Expensive equipment
- Frequent On/Off Cycles cause premature motor failure
- Expensive to replace/repair





ESP – Cycle Detection









Questions?

Please wait for the **microphone**

State your name & company

Please remember





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БЛАГОДАРЯ

ТИ БЛАГОДАРАМ

TAK DANKE \$\frac{1}{2}\$

MERCI

HATUR NUHUN

OSIsoft.

MULŢUMESC

ESKERRIK ASKO

ХВАЛА ВАМ

TEŞEKKÜR EDERIM

ΕΥΧΑΡΙΣΤΩ GRATIAS TIBI **DANK JE**

AČIŪ SALAMAT MAHALO IĀ 'OE TAKK SKAL DU HA

GRAZZI PAKKA PÉR

PAXMAT CAFA

CẨM ƠN BẠN

ありがとうございました ĎAKUJEM
SIPAS JI WERE TERIMA KASIH MATUR NUWUN
UA TSAUG RAU KOJ
ТИ БЛАГОДАРАМ
СИПОС

ДЗЯКУЙ

